

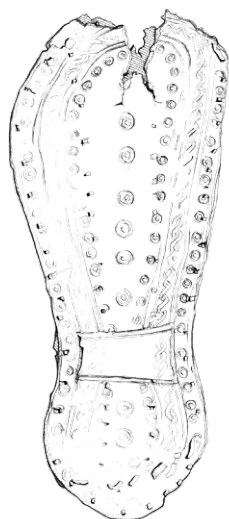


CATALOGUE
OF THE
FOOTWEAR
IN THE
COPTIC MUSEUM
(CAIRO)



ANDRÉ J. VELDMEIJER
& SALIMA IKRAM

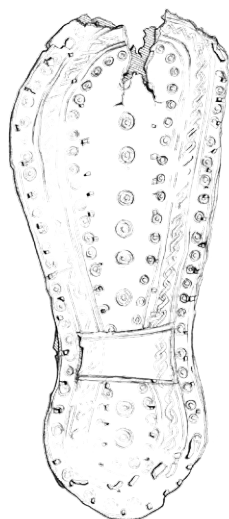




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PART I

PREFACE

The wealth of material stored in Egyptian museums is overwhelming. As is the case with many other museum collections, much of it is yet to be studied. In 2013 a recently employed, far-sighted, and ambitious curator of the Coptic Museum, George Said Youssef, contacted us for assistance to study and publish the objects in the collection under his care: basketry and leather objects. In order to achieve this and to help other curators publish their collections, a training program was developed by the Netherlands-Flemish Institute in Cairo in collaboration with the American University in Cairo, Bibliotheca Alexandrina, represented by Louay Mahmoud Saied, the directors of the Coptic Museum, Hany Sadek and Mervat Megally, the museum's board, Maher Eisa (Fayum University) and the Ministry of State for Antiquities. Its goals were to train curators to curate, conserve and protect Coptic artefacts, to display them both in permanent as well as temporary exhibitions, and to study objects, in order to make them available both physically and intellectually to scholars and the public. This training program, 'Researching Museum Collections: Coptic Museum', was financed by the NUFFIC (The Netherlands Fellowship Programmes, Tailor Made Training NFP –TM).

'Researching Museum Collections: Coptic Museum', was a unique, pioneering project, filling in the gap in museological training in Egypt. The training was achieved through a series of lectures by different specialists, supervised hands-on study of the collection, and guided research. It was enhanced by visits to the most important archaeological institutes in Cairo, as well as a trip to the Coptic monasteries in Wadi Natrun, and working excavation there. A holistic approach was used to study the objects, using historical, archaeological, technological and anthropological perspectives. Additionally, training in disseminating information was

provided so that objects and ideas could be presented to both a scholarly and lay public orally and in print. The Program concluded with an international symposium 'Perspectives on the Material Culture of the Coptic Period: An International Symposium based on the Coptic Museum Collection' (held in the Netherlands-Flemish Institute in Cairo on June 15th, 2013), featuring a variety of specialists from all over the world, presenting a wide range of topics, ranging from Coptic lutes (with a short musical performance on model instruments) to Coptic embroidery.

THE MATERIAL

The objects that were the focus of the training program derived from the basketry and leather collection. Although these generally neglected objects are the core of the work, the training was such that the research methods are applicable to any object research in museums or in the field. The emphasis was on collaboration and multi-disciplinary work involving museologists, leather specialists, archaeologists, Egyptologists, archaeobotanists, illustrators and photographers.

THE FINAL RESULT

This publication is one of the products of this project, created during the course of the training. It served as an example of how to record and catalogue objects, complete with comparative material--in this case, unpublished comparatives, which are presented here for the first time. Unfortunately the time constraints and prohibition against sampling meant that the identification of species of leather and vegetable materials was not possible to a very high level, but a basic degree of information is provided, using techniques that are easily available to the curators.

ACKNOWLEDGEMENTS

We are grateful to numerous people and institutions for their help and support that made the training and the publication of the present work possible. First and foremost, we thank the Ministry of State for Antiquities for making the training possible, and the directors of the Coptic Museum, Hany Sadek and Mervat Megally as well as the staff of the Coptic Museum for their contribution to the success of the training. We are grateful to the Netherlands-Flemish Institute in Cairo and its staff for providing a venue for the symposium and their moral and practical support during the entire six months (and aftermath!) of the Training program.

The Bibliotheca Alexandrina (Louay Mahmoud Saied) and the American University in Cairo enabled this project by their willingness of being co-providers. We are indebted to Maher Eissa (Fayum University) for his help and advice throughout.

We would like to mention our appreciation for the guest lecturers, who shared their knowledge and enthusiasm during the course of the training: Julien Auber de Lapierre, Alan Clapham, Darcy Hackley, Gillian Pyke, Lucy Skinner, Adri 't Hooft and Nicholas Warner, and Gillian Pyke, who also deserves additional thanks for her wonderful work in organising the symposium and arranging the fieldtrip to Wadi Natrun. The conference was a success not only due to its organisation, but also to the participants: Ricardo Eichmann and Gillian Vogelsang-Eastwood (who were able, on very short notice, to come over to Egypt from Europe), Michael Jones, Gillian Pyke, Cornelia Römer, Pamela Rose, Johanna Sigl and Nicholas Warner.

Finally, we are grateful to other colleagues who helped in various ways: Kim Duistermaat for much-appreciated feedback on the pre-Training prepara-

tions, without which the whole project would never have seen the light of day.; Ana Tavares for valuable discussions about fieldschool projects; Eman H. Zidan for her gracious offer for a venue to publish papers. Finally, of course, we are extremely happy that we could work with such enthusiastic, interested and ambitious and above all, very nice curators!

For the publication of the present work, we are indebted to the Egypt Exploration Society (EES) for permission to use the material from their mission to Qasr Ibrim for comparative study and to publish the corresponding find cards and photographs. We are equally grateful for permissions to publish material in the collections of the Ashmolean Museum, Oxford; British Museum, London; National Museums, Liverpool; World Museum; Oriental Institute Museum, University of Chicago; Petrie Museum of Egyptian Archaeology UCL, London; Roemer- und Pelizaeus-Museum, Hildesheim and Sammlung des Ägyptologischen Instituts der Universität, Heidelberg. Carol van Driel-Murray has been very helpful with discussions on Roman footwear and Pamela Rose helped providing the correct dating of the various strata from which the from Qasr Ibrim material was excavated. Thanks also to George Said Youssef for his help throughout. The processing and type setting by Adri 't Hooft Photographic Services was made possible by the NUFFIC grant.

We trust that, despite the limitations of the present work as explained above, it still can function as basic example of a research catalogue for the curators and that it further helps them to develop themselves for their future careers. Therefore, we would like to dedicate this volume to the next generation of Egyptian scholars.

Dwingeloo/Cairo
21 July 2014

INTRODUCTION

THE COPTIC MUSEUM: A SHORT HISTORY

Although Coptic culture and art play a significant role in Egypt's long history, the first formal exhibition of Coptic art (and archaeological material) was put on view in the Bulaq Museum (the first incarnation of the Cairo Museum) at the end of the 19th century in a dedicated room (The Coptic Room) as part of the Museum's record of Egypt's history. When the Museum moved in 1902 to its present site at Tahrir Square, the collection moved with it. Its curator was one Iqladiyus Labib, author of the Copto-Arabic dictionary, published in 1895.¹

However, even before the Coptic Room was inaugurated, there was a movement afoot to protect Coptic monuments. In 1891 the man who would become the moving force behind the creation of the Coptic Museum and who is hailed as its founder, Marcus Simaika Pasha (1864-1944), asked Evelyn Baring, Earl of Cromer, to put the older Coptic churches under the protection of the Comité in charge of the preservation of Egypt's heritage. This was achieved in 1894.

At this time Egypt had three major museums: the museum for Pharaonic antiquities (the Egyptian Museum, which started in Bulaq, moved to Giza, and finally in 1902 to its current site in Tahrir Square);² the Alexandria Museum for Graeco-Roman culture, and that of Arab-Islamic Monuments, in el-Hakim mosque.³ In 1898, Max Herz of the Comité for Arab Monuments requested the head of that Comité to establish a Coptic Museum as he felt that this section of Egyptian history deserved and needed more attention. Hertz enlisted the patriarch help of, and thus, the first step to create a separate physical space for the safeguarding, study, and display of Coptic artefacts was taken.

Initially patriarch Cyril V, who became one of the greatest supporters of the Coptic Museum, designated a storeroom for the protection of Coptic artefacts somewhere in the area of the church of al-Mu'allaq. He himself donated liturgical vessels made of precious metals to be kept there as a starting point for the future museum. In 1902 Husayn Fakhry Pasha, the Director of the Comité, began to collect Coptic objects and add those to the ones in storage. The foundation of the Society for the History of Coptic Antiquity in 1903 helped fuel the project for a separate museum of Coptic art and culture. At the same time Simaika Pasha, backed by Cyril V, who also helped raise funds for this endeavour and encouraged Copts to become involved with the project, buying and giving objects for the museum. These included architectural elements in all media, as well as artefacts from monasteries, churches, palaces, villas, and from private collections throughout Egypt.

In 1908 the formal decision to create a special separate space to house Coptic Antiquities was taken, with work on the building largely financed by public subscription. The land (some 8,000 square metres) was provided thanks to Cyril V. Finally, after assiduous fund raising by Simaika Pasha, the first hall of the Coptic Museum was inaugurated at the Roman Fortress of Babylon on March 14, 1910. Until 1931 the Museum was in the hand of the Coptic Church and supported by private funds; thereafter it fell under the jurisdiction of the Egyptian Department of Antiquities and became a National Museum. The objects from the Egyptian Museum were moved there at this time. Marcus Simaika Pasha was first in charge of the Coptic Museum, followed by Dr. Togo Mina (who was instrumental in procuring the Nag Hammadi texts for the Museum), and then by Dr. Pahor Labib (1905-1994), the first person to hold the title 'Director of the Coptic Museum'.

Simaika Pasha remained actively involved with the Museum until his death in 1944. At that time, partly due to the disturbances engendered by the world wars, the Museum was still under construction, with the new wing only being completed in 1947. The old wing was closed in 1966, with visitors only accessing the new wing until 1983. From 1983 to 1984 the whole museum was renovated and reopened, with further work being carried out on its structure from 1986 to 1988 — no doubt this helped it to survive the 1992 earthquake. Work has continued on the building and its displays, with major structural work carried out in 1991, and a reinstallation of the galleries starting in 2003, leading to a triumphant reopening in 2006.

The new Coptic Museum was a popular attraction, drawing many visitors of all ranks. King Fuad I (1868-1936) was a great supporter, making donations to the Museum, visiting it frequently, and arguing for its expansion. No doubt his patronage, together with that of the Italian king Victor Emmanuel III and his wife, helped publicise the Museum and add to its already considerable cachet. The Museum contained a vast number of objects from archaeological sites such as Heracleopolis Magna (Ahnas el Medina), Antinoopolis (Ansina), from the monasteries of St. Apollo at Bawit, St. Jeremiah at Saqqara, and Oxyrhynchus (Bahnasa). In addition, the collection consisted of a number of objects culled from Coptic homes, palaces, and churches. Many of these arrived at the Museum due to the fact that Cyril V urged the donation of icons, painted ceilings, marble architectural elements, mosaic floors, fountains, elaborate pieces of architectural woodwork, from the owners of old palaces and private residences. Due to the support of the Patriarch and the king, the Museum grew both physically and in terms of its holdings, allowing for specialised displays on stonework, woodwork, paper/papyrus, metals, and textiles. The museum's library is one of its jewels, containing a rich collection of original Coptic manuscripts (written in both Coptic and Arabic) derived from the collections of churches and monasteries, ostraka, as well as secondary source materials. One of the earliest versions of the Psalms, dating from the fourth century is kept here, together with early copies of the New Testament, and the Nag Hammadi manuscripts. However, the

texts held in the library are not just religious as they include other works, such as dictionaries, scientific and medical treatises.

In addition to the many rare and precious objects held in the Museum's collection, there are more humble artefacts: objects of daily life. Although these might be less costly and glamorous, from a scientific point of view they are crucial to understanding Coptic culture, society, and history. Amongst these is a small collection of different types of footwear. The present work discusses 45 pieces of footwear from the collection, most of which are fairly complete, and situates these sandals, shoes, slippers and boots within the framework of the Ancient Egyptian Footwear Project (AEFP).

STUDIES OF ANCIENT EGYPTIAN FOOTWEAR

The AEFP is a multidisciplinary, ongoing research project that consists of the study of archaeological footwear, drawing on the artefacts themselves, iconography, philology and experimental archaeology and, where appropriate, ethno-archaeology. It aims to record and catalogue all varieties of Egyptian footwear in order to understand the different materials and technologies used to produce them, as well as establishing social variations (gender, wealth, status) based on these. Moreover, the project aims to function as a point of reference for future research.

The basis of the research is the study of archaeological finds (phase I);⁴ one can only understand an object and put it into a wider context after gaining a thorough knowledge of the materials and technologies used to fabricate it, and the changes in these over time. Phase II will deal with philological and iconographic information. Phase I is nearing its completion and Phase II has already begun. The information resulting from Phase I will be checked using experimental archaeology (together with ethnoarchaeological and ethnographic information [Phase III]), when appropriate, and all will be collated in Phase IV. Making objects not only provides insight in the manufacturing techniques but also, the reproduced pieces of footwear allows us to study wear patterns and the rationale behind certain designs. Finally, anthropological data is needed to see, amongst others, what the consequences of

going barefoot are and whether this can be identified in the archaeological record. See Veldmeijer (2011e: 11-15) for a more detailed description of the project (also on www.leatherandshoes.nl).

NOTE ON TYPOLOGY

There are several typologies of ancient Egyptian footwear, most of which are based on a limited number of archaeological objects. Gourlay (1981a: 55-64; 1981b: 41-60) published a typology based on the material from Deir-el Medinah, making a distinction between cordage sandals, palm/papyrus etc., and leather sandals. Although the AEFP makes distinction between sandals and sandals with an upper (referred to as 'open shoe'), these are regarded by Gourlay (1981a: 61-62) as a type of sandal rather than open shoe, despite his own remark that the Type A sandal is turned into a shoe by adding an upper. Montembault's (2000) typology, based on the material in the Louvre, is of more relevance to the footwear collection of the Coptic Museum, as a large part of the Louvre's holding are of that period. However, since most of the Louvre collection is unprovenanced, geographical information as well as date play a marginal role, at best, in establishing the typology. The typology developed by Leguilloux (2006) is more detailed and includes dates, but it is only based on the material from Didymoi, a Roman caravan stop along the Coptos-Berenike route in Egypt's Eastern desert. Thus, it is of limited use for Pharaonic footwear, but of more relevance to the Roman and Coptic footwear. In both typologies, the emphasis lies on the development of sole shape.⁵

Goubitz *et al.* (2001), classifies European footwear on the basis of the fastening or closure method. However, they note that in their work this "is not always consistently applied. In such cases priority has been given to recognisability" (*Ibidem*: 132). This method is followed by the AEFP. Using technological features, such as fastenings, and recognisability often goes hand in hand⁶ but this relationship is stronger in sandals than in shoes.

The AEFP first makes distinction between groupes of footwear (sandals, shoes, boots etc.) and their materials. These groups are divided into Categories, the differentiation of which is based

on the materials in combination with manufacturing technology (for example Fibre Coiled Sandals, Leather Composite Sandals and Wooden Pattens). These categories are, if possible, divided into Types, for which different criteria (such as the number of sole layers, the shape of the sole or the shape and position of the straps) are used depending on the category. Finally, types can contain Variants. A typology should offer insight into the development of footwear; this can only be done after the incorporation of a large sample of objects dating from all periods of Egypt's history.

The results of the study of the footwear are published separately per type: Phase I produces a series of papers with a strong focus on the manufacturing techniques; the present work falls into this category.

TERMINOLOGY

The terminology used in describing leather and footwear follows Goubitz *et al.* (2001: 317-324), the most important ones of which are presented here (additions or alterations by present authors between [])⁷:

- [Anterior - front or toe part of a foot or piece of footwear; towards the front];
- Backpart (of upper) - term used for pre-16th-century footwear lacking quarters and a back seam, describing the rear area of the shoe upper;
- [Backpart extension (referred to by Goubitz *et al.* as 'elongated backpart') - the large extended part on the backpart];
- Back strap - the strap which holds the rear part of the sandal to the foot;
- Back seam - the seam that joins the rear part of the quarters together [or secures a one-piece-upper], centred at the backmost part of the shoe;
- [Closed shoe - Veldmeijer (2011e: 266): shoe with an upper that entirely encloses the foot];
- Cutting pattern - all the main components of the upper or entire shoe laid out flat so that the overall design can be seen; the pieces in their original positions as cut out by the shoemaker;
- [Dorsal - the dorsal surface of a foot or a piece of footwear is the surface that faces upwards; towards the sky];

- [Ear - Veldmeijer (2011e: 267): type of pre-strap. Some types of leather sandals [...] have a pre-strap that is cut out from the same sheet of leather as the sole itself. They protrude at the start of the heel (at the edge of the heel) or form large triangular extensions of the heel [Veldmeijer, 2011b; In Preparation b];
- [Edge] binding - strip of leather whip-stitched [or with other types of stitching] to the edge of a shoe's opening in order to finish it off neatly and reinforce the leather [besides reinforcement it might have been added to keep the lining in place, Grew & De Neergaard, 1988: 49];
- [Front strap - Veldmeijer (2011e: 266) the strap that holds the front part of the sandal to the foot by running between two toes (or in the case of a double front strap, the strap that runs between the first/second and third/fourth toe) towards the back straps];
- [Heel strap - Veldmeijer (2011e: 267): the strap that runs from the pre-strap around the heel of the foot];
- Heel stiffener - reinforcement inside the back of the quarters [could be placed outside as well, and is not restricted to quarters but also seen in backparts];
- Insert - added piece of leather which fills out or completes the shape of the upper's cutting pattern;
- Insole - sole upon which the foot rests, found in the interior of the shoe [here also used to refer to the dorsalmost sole layer of a sandal];
- Instep opening - a rather imprecisely defined area on top of the foot between the rear of the toes and the ankle joint;
- [Interlocking running stitch (Grew & De Neergaard, 1988: 101) - two threads are used simultaneously but in opposite direction, resulting in an uninterrupted line of stitching. [Referred to in other work as 'continuous running stitching'];
- [Lace (Grew & De Neergaard, 1988: 124) - Long narrow strip, normally of leather, threaded through pairs of holes on opposite sides of an opening and pulled tight for fastening [for example, the laces in the Ottoman shoes holds the two sides roughly together rather than tightening the shoe to the feet properly]];
- Lateral - of the outer side of the foot, [...] last [or piece of footwear]; of the side facing away from the other foot;
- Lining - layer of leather [or other material] covering the inside surface of the quarters [or backpart]; may extend [...] over the side seam and onto the vamp [the vamp might have a separate lining too].
- Medial - of the inside of the foot [...], last [or piece of footwear]; of the side facing the other foot;
- Midsole - the sole layer or any of the sole layers found between the insole and treadsole;
- Mule - see 'Slipper';
- [Open shoe - Veldmeijer, 2011e: 268): Shoe with an upper that covers the sides of the foot only. The dorsal surface of the foot is not covered. Open shoes occur in fibre as well as leather and can be differentiated in those with a partial and full upper [...]];
- Passepoil - small strip of leather [usually] folded double and sewn in a seam that joins two pieces of leather;
- [Posterior - back or heel part of a foot or piece of footwear; towards the back];
- [Pre-strap - Veldmeijer (2011e: 268): the connecting element of the back- and/or heel strap to the sole];
- Rand - strip of leather sometimes included in the sole seam of turnshoes, placed between the sole and upper;
- [Roundel - decorative and simultaneously reinforcing element at the junction between the backpart and the vamp. They are situated close to the sole];
- Running stitch - single thread that follows a serpentine course in and out [of the material];
- Side seam - seam at the side of the shoe, between vamp and quarter [or backpart];
- Slipper - kind of footwear without a covering for the heel [*i.e.* covering the toes only];
- [Sole - Veldmeijer (2011e: 269): all-inclusive term for the parts of the shoe under the foot [...]. A sole might consist of several sole layers: insole, treadsole and midsole(s)];
- [Sole/upper construction - Veldmeijer (2011e: 269): the way in which the sole layers are built up; and the method used to attach the sole to the

- uppers [or, in sandals, to attach the strap complex to the soles; this term excludes use in turnshoes, see sole seam]);
- Sole seam - seam by which the sole of a turnshoe is connected to the upper;
- Straight sole - sole with a symmetrical shape [lengthwise], *i.e.* neither left- or right-foot orientation;
- Swayed [...] sole - sole matching the right or left curving of the foot;
- Treadsole - the undermost sole of footwear, facing the ground;
- Tunnel stitch - sewing technique in which the thread is passed in a serpentine pattern through 'tunnels'; it passes for a short distance into the thickness of the leather before reappearing on the same side and then passing to the adjoining piece of leather in the same manner, making a stitch that cannot be seen from [one side];
- Turnshoe - shoes made inside-out on the last, with one [or more] sole layer[s]; after the sole seam is finished, it is turned right side out whereby the seams are situated inside the shoe;
- Upper(s) - all the leather above the sole and covering parts or [...] all of the foot and leg;
- Vamp - the part of the upper covering the fore part of the foot up to the instep;
- Vamp extension - [referred to by Goubitz *et al.* 2001 as 'elongated/extended vamp']: an extension at the vamp that reaches to the instep joint;
- Vamp wings - some vamps, like those of certain mules, extend with 'wings' towards the back, [...] or shoes with vamp extensions that reach backwards into the quarters;
- [Ventral - the ventral surface of a foot or a piece of footwear is the surface that faces downwards; towards the ground];
- Waist - the narrow middle part of the [...] shoe or the sole, corresponding with the instep and the arch of the foot;
- Waste - pieces of hide or skin left over after the processing into (pseudo-) leather;
- Whip stitch - the overcast stitch used to sew on reinforcement pieces, edge bindings [...]. In Pharaonic leatherwork also used to construct objects.

On the find cards from the comparative material from Qasr Ibrim,⁸ a sole layer is sometimes referred to as 'thickness'; a strap can be called 'tie', the pre-strap 'cross-strap' and 'rear' is used to refer to the back or heel of a piece. A perimeter (of a sole) is in the present work referred to as 'edge'. The texts on the cards have been inserted in the present work and edited to match the AEFP's terminology these interventions have been put between square brackets; obviously these interventions are not visible in the original cards that have been included.

LAYOUT OF THE CATALOGUE

The present work describes and identifies the footwear using the conventions of the AEFP, as discussed previously. Each entry identifies footwear from the Coptic Museum. Additional, thus far unpublished material from other museum collections and from recent excavations is included under certain entries as comparanda. This comparative material is numbered in sequence with the objects in the Coptic Museum for easy reference, but are distinguished by the addition of 'c' (referring to 'comparative'). To further distinguish between the holdings of the Coptic Museum and the comparanda, the latter entries are in *Italic*. Thus, each entry includes:

- Catalogue Number (Cat. No.): All finds have been given a catalogue entry number by the authors;
- Inventory Number (Inv. No.): The unique number assigned to each object by the Coptic Museum;
- Additional Number (Add. No.): Some objects have an additional number. This might be an excavation number, or a reference from another catalogue, in the case of comparanda;
- Identification Number (Id. No.): Used only for comparative material; the number given by the museum the object is currently housed, or/and its excavation number;
- Current Location (Cur. Loc.): An indication to where an object might be if not in the collection of the Coptic Museum. A 'current location' is only given in case material has remained in Egypt: they could be in the magazine of the Ministry or in a museum collection other than the Coptic Museum (in some cases, objects

might have been stored originally in a magazine and later moved to either another magazine or a museum);

Collection: In case the object is housed in a museum outside Egypt;

Provenance: Generally, the object's findspot, but here also gifts to the museum are noted;

Date: Tentative dating. The ongoing nature of the AEFPP means that still much footwear awaits study, thus dating is, at this point, general. The Coptic material is particularly challenging as so little work has been done on stratified sites. In this respect, the work of Smalley (2012) is of interest as she tries to refine dating through decoration. However, as her work is preliminary, it is not used here for dating;

Type: Wherever possible, the type of a piece of footwear is defined. In some cases a less precise classification could be presented, as still several groups of footwear awaits study;

Materials: A general indication is given;

Measurements: All measurements are in millimetres, unless stated otherwise. If two measurements are separated by a hyphen, it indicates the smallest and largest size. Measurements of fragments of which sides cannot be determined and hence no 'length' or 'width' can be recognised, are noted with 'x'. Usually, but not exclusively, these are featureless scraps;

Remarks: Comments as well as information on conservation is noted here;

Bibliography: Focussed, specialist literature;

Description: The description of comparative material from Qasr Ibrim is quoted from the mission's find cards (see above), but edited to bring the terminology in line with the AEFPP. These interventions are put between square brackets.

Used Abbreviations

appr.: approximately;

c.: circa;

cms.: centimeters;

est.: estimated

max.: maximum;

pres.: as preserved.

THE ILLUSTRATIONS

Photography is by André J. Veldmeijer unless stated otherwise and courtesy of Ministry of State for Antiquities and the Coptic Museum Authorities. The photographs are prepared for publication by Adri 't Hooft Photographic Services. Drawings are by André J. Veldmeijer/Erno Endenburg unless stated otherwise. Construction drawings are not to scale.

PART II

CATALOGUE

FIBRE FOOTWEAR

SANDALS

Coiled Sandals

Cat. No. 1;
Inv. No. CM 4974;
Provenance Dema;
Date Post-Pharaonic;
Type Coiled, Plied String Type, Woven Variant;
Materials Halfa grass;
Measurements ('left'/'right')
Length: 270.0/270.0;
Width heel: 75.1/79.8;
Width waist: 74.2/81.1;
Width front: 83.8/114.4;
Thickness: 11.2/11.5;
Width straps: 33.4/33.5;
Remarks -;
Bibliography Veldmeijer (2007; 2009c; 2011a);
see also Russo (2004: 185-186);

Description

The sole of this pair of sandals is made of three zS₂ grass strings that are bent at the heel; an extra string is inserted about halfway the length to widen the front part (arrow; note that the width of the waist almost equals that of the heel). The strings are secured by a comparable string that is woven through at right angle. The appearance of the surface of the woven string is different: it is whitish and soft but the inner part is still clearly recognisable as grass. It is not clear why this happened: although it might be due to use (*i.e.* a sign of wear): the fact that the ventral surface is clearly worn, evidenced by the damaged fibre as well as distinct compression due to the weight of the owner, can be seen as supporting this suggestion. The woven string is finished at the edge of the sole by braiding.

The straps are unusual too: they consist of a two eleven-strand plaits (over two, under two, shift one pattern) that are sewn together. The plaits are made

with zS₂ string of grass, but shows the white outermost surface that is comparable to the woven string of the sole.

Cat. No. 2;
Inv. No. CM 4978;
Provenance ?;
Date Post-Pharaonic;
Type Coiled, Core Type (see below);
Materials Halfa grass;
Measurements Length: 260.0;
Width heel: 90.2;
Width waist: 70.4;
Width front: 94.5;
Thickness sole: 13.7;
Length front strap: 116.0;
Width front strap: 13.6;
Width back strap: 72.8;
Width strips in the back strap: 2.2;
Diameter bundle sole: 4.8;
Remarks -;
Bibliography Veldmeijer (2007; 2009c; 2011a);
see also Russo (2004: 185-186);

Description

The heel of this left sandal is rounded and the waist is constricted. From here, the width towards the front increases at both sides, but the lateral edge is more curved. It runs smoothly towards the big toe area. Since the medial side, although slightly convex, is much more straight, the result is a swayed sole. The sole is made of a hidden core that is wrapped with unspun fibre after which it is coiled and secured to form the sole. To create a wider front part, the core is coiled three times extra (or a separate part is inserted, but this could not be established), resulting in eleven coils at the front part. At the back it is coiled only seven times. The coil is secured, but exactly how could not be identified without damaging the object.

The strap is of a rare form and consists of a wide fabric (over two, under two, shift two), which tapers at the back where it is attached to either side of the sole (unfortunately, it has broken off and the exact way of attachment could not be established). It is made of grass. In the middle, which is wider (*i.e.* the strap is triangular in shape), it is woven into the braided front strap. This front strap inserts through the sole and was most likely secured with a knot as there is no evidence that it came back through the sole again. However, the ventral surface is much worn, clear evidence that the sandal was much used, due to which the way the front strap was secured could not be established with certainty. Russo (2004: 185-186) reports a comparable strap from Antinopolis.

| | |
|---------------------|---|
| <i>Cat. No.</i> | 3; |
| <i>Inv. No.</i> | CM 4979; |
| <i>Provenance</i> | ? |
| <i>Date</i> | Post-Pharaonic; |
| <i>Type</i> | Coiled, Braided Type, Variant 1: Coarse Braids; |
| <i>Materials</i> | Halfa grass; |
| <i>Measurements</i> | Length: 260.0; Width heel: 82.2; Width waist: 75.3; Width front: 94.8; Thickness sole: 14.6; Width (= thickness): 6.7; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Veldmeijer (2007; 2009c; 2011a); see also Russo (2004: 185-186); |

Description

The coiled sandal lacks the straps, although remnants are still visible as small stubs in the sole. Except for this, the sandal is in good condition. The heel is rounded and the waist mildly constricted, from which the width expands towards the front. Although this happens at both edges, the medial edge starts to widen closer to the heel but continues straighter towards the big toe area. The lateral edge, by contrast, increases in width more subtle, and runs towards the big toe area in a long curve. The result is a highly shaped sole. It is made by coiling a braid of grass eight times, which is held together at right angle to the braids and from one side to the other, with zS₂ string. The braids face dorsal

and ventral. In other words, the width of the braid makes the thickness of the sole. The coiling is not started in a circle, but more oval at the front. After two windings, which roughly make up the centre of the front half of the sandal, the coiling is expanded (*i.e.* elongated) to create the back half. Since this part lacks a centre as in the front, the heel is distinctly narrower. It is possible that the sole consists of two parts: the centre part of the front half and the subsequent, separate coiling over the entire length of the sandal, but this could not be ascertained without deconstruction of the sole. The ventral surface shows clear signs of wear (compression of the coils).

Discussion

Coiled sandals are not uncommon in ancient Egypt, but were more common in post-Pharaonic times (Veldmeijer, 2011a). The coiling technique was, in Pharaonic periods, mainly used in combination with the sewing technique (Veldmeijer, 2009c).⁹

Note on Classification

Due to the objects in the Coptic Museum, it is possible to revise previous work and expand the classification. Veldmeijer (2011a) has proposed the following groups for coiled sandals:

- Type 1: The sole is made of a plied string. However, CM 4974 (Cat. No. 1) consists of a coiled plied string sole, the string of which has been woven with plied string too. Note that this differs from Woven Sandals (Veldmeijer, 2007: 66-69), in which the core of the sole (woven through with string) is not coiled but are isolated pieces;
- Type 2: The sole is made of braids. Here, two Variants are distinguished: those made with coarse braids and those with fine braids. The last usually has, besides the finer braids, neatly finished edges, which are absent in Variant 1;
- Type 3: Looped, in which the sole “is made of a flat strip that consists of two cores around which unspun fibre is looped” Veldmeijer (2011a: 61);
- Coiled Sewn Sandals (Veldmeijer, 2009c) have previously been regarded as a category in itself, but we propose here to include these as Type in the broader category of Coiled Sandals because

the basic layout, coiling, is the same in all sandals (Type 4). The types are distinguished on the basis of how these coils are secured. CM 4978 (Cat. No. 2), therefore, is a new type of Coiled Sandal (Type 5). Since the sandal is made of an unspun, coiled core that is wound around by unspun vegetable material too, the type is referred to as 'Core'. Russo's (2004: 185-186) n. 4 fits in this Type too, although the sole was built up differently (*contra* Veldmeijer, 2011a: 66, which is the result of the new material described in the present work). Thus, currently, five types of coiled sandals are recognised.

Plain Plaited Sandals

| | |
|---------------------|---|
| <i>Cat. No.</i> | 4; |
| <i>Inv. No.</i> | CM 11967; |
| <i>Add. No.</i> | QI 80.3.14/44; |
| <i>Provenance</i> | Qasr Ibrim ; |
| <i>Date</i> | (Late) Christian-Ottoman; |
| <i>Type</i> | Plain Plaited Sandal, Type B, Variant 1; |
| <i>Materials</i> | Palm leaf; |
| <i>Measurements</i> | Length: 245.0; Length overlap heel: 115.0; Width heel: 83.7; Width waist: 93.8; Width front: 110.2; Thickness at front: 10.5; Thickness at heel: 16.8; Width strips: 20.3; Diameter straps: 11.0; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Veldmeijer (2009b); |
| <i>Description</i> | |

The sole consists of one piece of thick plaited material (over one, under one), made specifically for the sandal (*i.e.* the fabric has not been cut from a much larger piece). The heel is folded to create a partial second layer as reinforcement. The straps consists of an s-spun yarn that is pulled through the front of the sandal and half knotted with the back strap, which basically is the same yarn. The yarn runs from the half knot with the front strap, towards the heel, where it is looped around the edge of the sole. Running towards the front again, it is plied (usually Z-wise) with itself.

Discussion

No less than 91 plain plaited sandals from Qasr Ibrim have been published (fsee 'Note on Classification' below). However, these by far were not all, as Veldmeijer (2009b) focussed his work only on those sandals that were available for study. Thus, for example, CM 11967 (Cat. No. 4) was not included in that study. This type of sandal is known mainly from Qasr Ibrim and other Nubian sites such as Kulubnarti (Adams & Adams, 1998: 63-64; personal observation AJV British Museum 2006), with the one from Narmuthis (Russo, 2004: 184-185, pl. III) being a rare exception. Moreover, they all date from later times (Christian [c. 1100-1400], the majority dating to Ottoman times [c. AD 1500-1811]). Several sandals were tentatively dated to earlier periods but the dating of these contexts are unreliable. This sandal type has a close relationship with Leather- or String Reinforced Plaited Sandals (Veldmeijer, 2009a), which basically consists of a plaited fabric too, but are reinforced by sewing the fabric with leather strips or string. As noted (Veldmeijer, 2009b: 132) "it is remarkable that this strong but simple type of sandal [the plain-plaited sandals] was never worn before the Christian period, even though the techniques were known and, indeed, used in the manufacturing of other footwear". It is also remarkable because such sandals could easily have been made by non-professionals and was, therefore, a cheap product that could be worn by virtually everybody. The absence of comparable finds from Egyptian sites might lead to the suggestion that these types of sandals are specific for Nubia. The large numbers from Qasr Ibrim, compared to other Nubian sites, seems to suggest that the Plain Plaited Sandals were, to certain extent, specific for this site.¹⁰

Note on Classification

Sandal CM 11967 (Cat. No. 4) is a Type B, Variant 1 sandal following the classification of Veldmeijer (2009b: 130) who distinguishes six types of plain plaited sandals "on the basis of a combination of several characteristics, the first of which is shape". Another feature that is used to distinguish types is the way and amount of folding the sole fabric: "A

distinction is made between those in which the plaited fabric is folded halfway, resulting in a full treadsole and insole [...], and those in which only part of the fabric is folded. [...] This folded part can extend to various degrees, which are roughly about one quarter, half or three-quarters of the length of the treadsole" [...]. The division between these sandal types is based on the fact that the construction of sandals with a full insole differs from those with

a partial insole: in the former, the two sole layers are secured by means of the front strap, but in the latter, the folded heel is not secured at all or only by means of the back straps. Another characteristic, albeit less precisely defined, is the thickness and tightness of the fabric. [...] All six types can be subdivided on the basis of the plaiting technique: 'over 1/under 1' fabrics are referred to as variant 1".

FIBRE FOOTWEAR

OPEN SHOES

| | |
|---------------------|---|
| <i>Cat. No.</i> | 5; |
| <i>Inv. No.</i> | CM 11965; |
| <i>Add. No.</i> | QI 78.2.5/27; |
| <i>Provenance</i> | Qasr Ibrim; |
| <i>Date</i> | Christian, appr. AD 400-850 although in Qasr Ibrim some originate from Ottoman layers (c. AD 1570-1811); |
| <i>Type</i> | Full Upper, Flexible Upper (see below for Sub-Variant); |
| <i>Materials</i> | Palm leaf and fibre; |
| <i>Measurements</i> | Left: Length: 265.0; Width heel: 67.6; Width waist: 67.9; Width front: 84.2; Height heel: 57.5 (total); Height heel: 47.4 (upper); Diameter back straps: 4.1-6.5; Diameter front strap: 5.8; Width strips upper: 4.1 (repair strips: 7.0); |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Bowen (2002); Livingstone (2011: 138-139); Veldmeijer (2009d; 2010a); see also Dunand <i>et. al.</i> (1992); |

Description

The pair shows substantial differences in condition. The left shoe is much worn, especially at the upper, and has been repaired in ancient times by inserting another layer inside the older, broken one. This additional layer is made with slightly wider strips of palm leaf that are less carefully plaited. Since the right shoe shows almost no wear at all, it is tempting to suggest that the two were not a pair originally.

The sole has a rounded heel and the waist is almost equal in width. Towards the front, the width, at the front half of the length, increases more distinctly at the lateral edge, which runs in a curve to-

wards the big toe area. The medial edge is nearly straight, resulting in a swayed sole. The sole consists of two layers: the insole is a plaited fabric, which is slightly shaped with a rounded heel and pointed toe. The fabric is of well known design, 'over two, under two, shift one', which is the most commonly seen design in this type of shoes. The result is a decorative herring-bone pattern. The insole is put in the shoe with the pattern at right angles to the shoe's length. The edges of the insoles are often obscured by the added upper (see below), which is the case here too. The treadsole is made with bundles of unspun date palm fibre (*Phoenix dactylifera*) and plaited in a simple over one, under one pattern. This too is the most commonly occurring type in such open shoes. At the edges, the bundles are woven back into the fabric. The insole is usually secured to the treadsole, together with the upper, by means of long running stitches of fine palm fibre zS_2 string.

The upper consists of a long strip of plaited fabric, which is made of palm leaf, in the same pattern as the insole: 'over two, under two, shift one'. It is made with 13 strands. The dorsal edge, *i.e.* the edge of the instep, is reinforced: the strips that are folded back into the fabric are looped around a core of zS_2 string. The upper is added to the sole at some distance inwards from the edge. The stitches are small in the shoe, but long at the ventral surface of the treadsole. The edge of the upper that is in contact with the sole is not reinforced. At the point where the two ends of the upper meet, usually shortly before the heel, they overlap and are stitched from top to bottom, but in the present pair the overlap seems to be secured at the edge only with slightly wider palm leaf strips than those that are used to make the upper's fabric. Although this is more often seen, the lack of the seam is rare and a strong case for suggesting that the shoes did belong together originally, unless it is a common way for the workshop

to put the uppers together and different from other craftsmen.

The front and back strap consist of a zS₂ grass core, which is clad with a palm leaf strip. The single front strap is inserted through the sole, slightly off centre, to go between the first and second toe. Instead of securing it at the ventral surface of the treadsole with a knot, the core is stitched through the sole, coming back at the insole and ones again stitched through the sole.

The front strap is connected to the back strap by tying the palm leaf cladding. The back strap is a u-shaped construction that also consists of a cladde core. It is slightly more robust than the front strap. The loop that evolves from plying a strand into a plied string is folded around the edge of the treadsole.

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|---------------------|--|
| <i>Cat. No.</i> | 6; |
| <i>Inv. No.</i> | CM 4975; |
| <i>Provenance</i> | ? |
| <i>Date</i> | Christian, appr. AD 400-850 although in Qasr Ibrim some originate from Ottoman layers (c. AD 1570-1811); |
| <i>Type</i> | Full Upper, Flexible Upper (see below for Sub-Variant); |
| <i>Materials</i> | Palm leaf and leather; |
| <i>Measurements</i> | Length: 200.0; Width heel: 58.2; Width waist: 60.2; Width front: 67.2; Thickness sole: 9.7; Height heel: 33.5 (total); Width strips upper: 2.5; Diameter straps: 4.1; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Bowen (2002); Livingstone (2011: 138-139); Veldmeijer (2009d; 2010a); see also Dunand <i>et. al.</i> (1992); |

Description

For a detailed description, see CM 11965 (Cat. No. 5). The insole of this right shoe is rather loosely plaited. The shoe, besides the smaller dimensions, differs from the previously described one too in the fact that the midsole (treadsole in the CM 11965, Cat. No. 5) consists of six warps around which

are woven, alternately, loosely plied zS₂ palm leaf strands. To the ventral side of this is added yet another sole layer, made of leather. It is secured with the stitching that also secures the upper to the sole. The edge of the leather treadsole seems to have been tucked in between the insole and midsole. It thus obscures the attachment of the back straps to the sole (the attachment of the front strap equals CM 11965, Cat. No. 5).

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|---------------------|--|
| <i>Cat. No.</i> | 7; |
| <i>Inv. No.</i> | CM 2177; |
| <i>Provenance</i> | ? |
| <i>Date</i> | Christian, appr. AD 400-850 although in Qasr Ibrim some originate from Ottoman layers (c. AD 1570-1811); |
| <i>Type</i> | Open Shoe, Full Upper, Flexible Upper (see below for Sub-Variant); |
| <i>Materials</i> | Palm leaf and reed(?); |
| <i>Measurements</i> | Length: 290.0; Width heel: 75.7; Width waist: 85.1; Width front: 106.6; Thickness sole: 17.4; Height heel: 37.1 (total); Diameter straps: 4.5; Width strips upper: 2.8; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Bowen (2002); Livingstone (2011: 138-139); Veldmeijer (2009d; 2010a); see also Dunand <i>et. al.</i> (1992); |

Description

For a detailed description, see CM 11965 (Cat. No. 5). This shoe differs from the previously described ones (CM 11965, Cat. No. 5 and CM 4975, Cat. No. 6) on various points. The two sole layers, consisting of a folded plaited fabric (which are placed lengthwise rather than transverse), are reinforced along the edges with thin rods of palm leaf: the insole at the dorsal surface (not at the ventral surface) and the treadsole at the ventral surface. Next, the layers are secured by sewing this reinforced edge with palm leaf strip. At right angle to the sole, this palm leaf strip is sewn through with a z-spun palm leaf thread. This technique, which further secures the

construction, is occasionally seen in other sandals (e.g. Veldmeijer, 2010b). Two isolated stitches that run lengthwise down the centre secures the braids that are added to the ventral surface of the treadsole and, simultaneously, further secures the sole layers.

The dorsal edge of the upper is plaited around a rod rather than a string, as seen in the other entries. The layer of the upper is secured on as much as seven, but possibly nine, spots (it is damaged at several spots due to which the definite identification of two is less certain). Most of these are made with decorative sewing (type of back stitch), whereby the palm leaf strip that is used to secure the upper is sewn so that it pierces the sole, loops back and pierces the sole as well as the width of the palm leaf, before moving forward to create the next stitch.

The front strap is secured to the back strap by inserting it through a hole rather than looping around it. The back straps run, as usual, outside the upper but are inserted through the sole inwards from the reinforced edge. The reed(?) braids at the ventral surface of the treadsole are heavily worn due to use.

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| <i>Cat. No.</i> | 8; |
| <i>Inv. No.</i> | CM 3295; |
| <i>Provenance</i> | Saqqara; |
| <i>Date</i> | Christian, appr. AD 400-850 although in Qasr Ibrim some originate from Ottoman layers (c. AD 1570-1811); |
| <i>Type</i> | Open Shoe, Full Upper, Flexible Upper? (see below for Sub-Vari- ant); |
| <i>Materials</i> | Palm leaf and reed(?); |
| <i>Measurements</i> | Length: 300.0; Width heel: 104.7; Width front: 113.4; Thickness sole: 17.5; Width strips insole: 7.2; Width strips treadsole: 12.5-18.0; Width braids: 16.0; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Veldmeijer (2010a), cf. Veldmeijer (2009d; 2010b); |

Description

The sole has a rounded heel and is equal in width throughout. The front, although the edge is missing, was rounded too. The sole consists of two

layers of folded plaited 'over two, under two, shift one' fabric. The dorsal edge of the insole as well as the ventral edge of the treadsole are reinforced with rods after which the layers are secured with palm leaf strips. The stitches are further secured at right angles to the sole proper. The ventral surface is reinforced with reed(?) braids: there are two rows along the edge and one lengthwise down the centre.

The shape and construction equals shoe CM 2177 (Cat. No. 7), but if so, nothing remains of the upper. Moreover, there is no indication visible of the attachment of the upper, except for one, possible, stitch hole. Shortly posterior of the hole for the reception of the front strap three stitches can be seen, the middle one transverse and at right angle to the outer two. Stubs of the attachment of the back straps are still visible at the ventral surface of the treadsole. These are positioned inside the edge and compares to CM 2177 (Cat. No. 7) too.

Discussion

Although the way of constructing edges in CM 3295 (Cat. No. 8) is very common in sandals (e.g. in Sewn Sandals, Veldmeijer, 2009e; Sewn-Edge Plaited Sandals, Veldmeijer, 2010b) and Fibre Composite Sandals, Veldmeijer, 2013a), it is not at all common in Fibre Open Shoes. Without remnants of the upper, identification would be difficult but the holes for the attachment of the upper are clearly visible. Moreover, CM 3295 (Cat. No. 8) has a parallel with CM 2177 (Cat. No. 7), in which the upper is completely preserved. Inserting the front strap through a hole in the back strap, as is seen in CM 2177 (Cat. No. 7), is a construction that is known especially in Sewn-Edge Plaited Sandals (Veldmeijer, 2010b).

Due to the material in the Coptic Museum, two new constructions of treadsole can be added to the four already known (see below). The use of braids to reinforce the sole of sandals is well known (for example in Fibre Composite Sandals, Veldmeijer, 2013a; Montembault, 2000: 39-43, and in Sewn-Edge Plaited Sandals, Veldmeijer, 2010b) but it does occur in Fibre Open Shoes too, although it is not common (Veldmeijer, 2009d). However, CM 2177 (Cat. No. 7) is the first example of a Full Upper Type, Flexible Variant with such a construction. Perhaps this is not strange: the construction of this sole is

different from the examples of these shoes from Qasr Ibrim and equals those in Sewn-Edge Plaited Sandals (Veldmeijer, 2010b) including the supporting rods at either side of the edges and the stitching at right angle to the sole. Thus the sole of this shoe equals those in the Full Upper Type, Upright Upper Variant. However, the upper is flexible and comparable to the Qasr Ibrim examples. CM 4975 (Cat. No. 6) is unique: a leather treadsole is added to the woven cordage sole. Combining leather and fibre in footwear is not uncommon: for example, several Sewn Sandals show a leather treadsole (Veldmeijer, 2009e). CM 11965 (Cat. No. 5) falls into the biggest subvariant with unspun bundles of palm fibre.

Open shoes, like the ones discussed in the present work, are firmly dated: they are post-Pharaonic with the earliest occurrence dated to the 3rd century AD. The majority of the examples from Qasr Ibrim are dated to pre-Ottoman times, but three have been dated to the Ottoman period. Unfortunately, the Ottoman strata from Qasr Ibrim are not well dated (Rose, 2013: 18) and more precise dating within the period of the Ottoman occupation of the site (c. AD 1570-1811) is not possible. Possibly, the layers from which these three shoes have been recovered were mixed with earlier material.

Note on Classification

In his work on comparable Fibre Open Shoes from Qasr Ibrim, Veldmeijer (2010a) does not discuss a detailed classification. However, in the work on other Fibre Shoes (Veldmeijer, 2009d), a classification was proposed. Here, Fibre Shoes are referred

to as the ‘Group’ and the ‘Open Shoe’ as category. The category is divided into Type with Partial Upper (further divided into the Short Toe Variant and the Extended Toe Variant) and the Full Upper Type (consisting of the Upright Upper Variant and the Flexible Upper Variant). In the publication, the Flexible Upper Variant are not discussed: it is this Variant to which the three examples in the collection of the Coptic Museum belong. Veldmeijer (2010a) recognises differences in treadsoles, but has not used it for further division. However, the point of classification is to better understand development of technology as well as trying to pinpoint its origin (such as workshop or regional differences). Hence, an important difference such as the construction of the treadsole, should be used to further classify this material (*contra* Veldmeijer, 2009d: 98 saying that the *shape* of the soles has not been used in the classification because mostly these are the same, thereby ignoring the *construction* of the sole entirely [emphasis by present authors]). The four different types of treadsole, thus, can be seen as subvariants of the Flexible Upper Variant. As explained (Veldmeijer, 2010a: 299): “The most common treadsole is made with bundles of unspun date palm fibre (*Phoenix dactylifera*) and plaited in a simple 1/1 pattern [...]. Another type of treadsole is made with zS₂ date palm fibre string [...].” In one case the sole “consists of five zS₂ warps and over 37 wefts, woven alternating over one, under one (1/1). [...] A less frequently encountered type of treadsole consists of a plaited fabric in a simple 1/1 pattern. [...]” The fourth category is a repair with an old piece of basketry.

LEATHER FOOTWEAR

SANDALS

Toe-Shaped Sandals

| | |
|---------------------|---|
| <i>Cat. No.</i> | 9; |
| <i>Inv. No.</i> | CM 11955; |
| <i>Add. No.</i> | QI 78.3.20/12; 456; |
| <i>Provenance</i> | Qasr Ibrim, South Rampart Street, Level 1B; |
| <i>Date</i> | Roman (c. AD 25-100); |
| <i>Type</i> | Toe-Shaped Sandals, not further specified (see 'Note on Classification'); |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 16 cms; Width: 6.5 cms; |
| <i>Remarks</i> | Measurements from find card. The number '456' is written three times on the ventral surface of the treadsole, which refers to the registration number of the EES excavations; |

Description

A near complete sandal, which lack only a small part of the medial front. The heel is rounded. Towards the front, the width increases in size but this starts after the waist. The lateral side is more rounded than the medial side, resulting in a swayed shape. The lateral front edge has four semi-circular cut-outs. The sandal was meant for the right foot.

The two sole layers are secured with small leather thong running stitches with large interstitch spaces (at both the dorsal as well as ventral surface of the sole) along the edge. One row of stitches runs lengthwise down the centre, flanked by impressed lines, further securing the sole layers. Note that this line of sewing terminates shortly before the heel. The dorsal surface is enhanced with impressed motifs: a row of zigzag motifs that follow the edge, but is separated from it by an impressed line. The stitching sometimes goes through this line but is

sometimes placed between it and the impressed line next to it. Within this edge decoration, the surface is enhanced with the same zigzag motif in V-shape at the front half, followed by a comparable set at the middle of the sandal. At the heel, a third set is only partially visible, being worn away by use. In between these impressed zigzag motifs circular impressed motifs are added. Only the last two sets are separated from each other by two parallel impressed lines.

Remnants of the back straps indicate their presence. The one at the lateral side is a leather strip; the right remnant is a flax thread that is pulled through a slit that used to accommodate a leather thong stitch. Nothing but one transverse slit remains of the front strap. It can be safely assumed that there was another one in front of it, in the area which is now lost.

Comparative Material

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|---------------------|--|
| <i>Cat. No.</i> | 10[c]; |
| <i>Id. No.</i> | QI 76.2.14/3; |
| <i>Add. No.</i> | Cam-3006; |
| <i>Collection</i> | British Museum, London; |
| <i>Provenance</i> | Qasr Ibrim, House X-19, Room 3, Fill; |
| <i>Date</i> | Meroitic (AD 500-550); |
| <i>Type</i> | Toe-Shaped Sandals, not further specified (see 'Note on Classification'); |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | 0.228 [m] x 0.087 [m]; |
| <i>Remarks</i> | Measurements from find card; |
| <i>Bibliography</i> | Montembault (2000: 112-113); Veldmeijer (In Preparation b); |
| <i>Description</i> | Right sandal that is made of at least three sole layers, the treadsole of which is incomplete. The heel is |

rounded from which the width, towards the front, increases at both sides. At the front third of the length of the sandal, the lateral edge increases more distinctly and shows three semi-circular cut-outs. The front proper consists of two large, elongated circular cut-outs for the two biggest toes. The sole layers are secured with running stitches made with leather thong along the edge and with one row lengthwise down the centre, which, however, ends about halfway the length of the sandal. The stitches show short at the dorsal surface but long at the ventral side.

Two transverse slits, one behind the other, indicate the position of the front strap. At the later side, a short stub of the pre-strap is the only thing that remains of the straps.

| | |
|--------------|---|
| Cat. No. | 11[c]; |
| Id. No. | QI 84.2.22/35; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, 785 House, Room 11, Level 3; |
| Date | Meroitic-Early Christian (c. AD 100-850); |
| Type | Toe-Shaped Sandals, not further specified (see 'Note on Classification'); |
| Materials | Leather; |
| Measurements | Length: 14.1 cms; Width: 5.2 cms; |
| Remarks | Measurements from find card; |
| Bibliography | Montembault (2000: 112-113); Veldmeijer (In Preparation b); |

Description (according to find card)
Child's left foot sandal. Almost intact, but in poor condition. Apparently having at some time been wet. Three not very thick [sole layers] sewn all around the edges, and in the central part of the middle (longitudinal) with leather [thong running] stitches. These show small [at the dorsal side of the sole] and slightly larger [at the ventral side] and some intact on each surface [...]. Cut out between big toe and remainder, and decorative rounded cut-outs along the [lateral] front edge. [Ventral surface] plain, [dorsal surface] decorated: a pair of incised lines runs around [medial] front [edge] and down [medial] side and around [medial edge of the] heel. It probably continues all the way around the sandal, but is obscured. Two other triples run up the central area, approx[imately] fol-

lowing the lines of the near edges. The field furthest right is filled with stamped V-[motifs] [...] and they are also seen at [the lateral] front and may have occurred elsewhere. Surviving [straps] are: Front: Two leather strips c. 0.8 cms wide face to face, through two [transverse slits, one behind the other], at bottom of big-toe cut and 1.3 cms to rear of it, and continue towards rear. What was probably a second [strap] altogether, knotted around it. Part was [illegible]. Rear: A similar strip, 0.9 cms wide, passes through between the sole [layers], 2.5 cms from rear end. Damaged, but had two pieces of [strap] tied around its centre, perhaps the continuation of the two from the front. The [distance between the centre and the sole] is only 1.5 cms, however, so either the loop slipped or the child's foot was tiny. Note incised lines cut across stitches down right side, so stitching done first.

Discussion

There are many differences between CM 11955 (Cat. No. 9) and QI 76.2.14/3 (Cat. No. 10). The former has an elaborately decorated insole, whereas the latter has no decoration at all. Moreover, the sandal in the collection of the Coptic Museum has a much more pronounced overall shape, including four semi-circular cut-outs at the front and a notch at the medial edge. In general, CM 11955 (Cat. No. 9) is much more delicately made. It equals another sandal, QI 84.2.22/35 (Cat. No. 11), from Qasr Ibrim very closely: the two might easily have been a pair. However, the decoration of CM 11955 (Cat. No. 9) is much more elaborate and QI 84.2.22/35 (Cat. No. 11) tapers more distinctly at the heel.

The Louvre has a pair of sandals with semi-circular cut-outs for the toes too. This pair was found in Antinoé and dates to some time after AD 130 (Montembault, 2000: 112-113). The two layers are secured with a short row of stitches at the start of the waist; these stitches' primary function, however, seems to have been to secure the straps to the sole (and which are further secured by means of the stitch that secures the straps at the front). Although CM 11955 (Cat. No. 9) is more distinctly shaped than QI 76.2.14/3 (Cat. No. 10), the Louvre sandals are even more severely shaped, showing a narrow waist and pronounced convex edges at the front. Overall, the sandals are narrower. Instead of two

cut-outs at the front, the sandals have one bigger cut-out for the two biggest toes. The dorsal surface has two impressed rosettes, but the straps, which cross each other at the front strap, is decorated with squares of gold foil.

A third example was excavated from Kellis in the Dakhlah Oasis (Livingstone, 2011: 141). It differs from the previously discussed examples in that the heel is rounded from which the width towards the front remains equal (*i.e.* there is no constricted waist) until approximately halfway the length of the sandal. Here, a sudden increase of the width of the lateral edge is visible after which it curves continuously towards the big toe area. The curve has three small, semi-circular cut-outs at the corner. The medial edge, however, runs nearly straight towards the big toe area. According to Livingstone (*Ibidem*) the "sole consists of two layers at the toe end, and three at the heel end." It is dated to the 2nd-3rd century AD.

From Mons Claudianus, a single sole was found with semi-circular cut-outs (Winterbottom, 2001: 320, fig. 10.9). She (*Ibidem*: 320) remarks that "Cut-outs representing from two to four toes are seen on late first to mid-second century sandals, a particularly naturalistic group being those from Billingsgate, London (Rhodes, 1980: fig. 66). There, as at other sites, they occur in children's or small adult sizes and there is no good evidence that they were ever worn by man." The finds from Qasr Ibrim, Kellis and Antinoë confirm this statement: the longest of these is 22 cm, which is hardly big enough for a grown up.

Note on Classification

Montembault (2000: 64-65) classified the sandal as *Classe I, Le type C, la variante 2* on the basis of the straps and largely ignores the characteristic cut-out shape of the sole. However, as is clear from the specimens presented here, various types of straps were identified in combination with the cut-out toes. On the other hand, the type of straps of the Louvre specimen are rather common in sandals with pointed soles, displaying a variety of techniques and decoration, among which sandals in the Louvre (Montembault, 2000: 111 [E 11879a: unknown provenance/date], 114-115 [E 13947:

Akhmim-Panapolis, 4th-5th c. AD]), as well as from various other sites and collections (for example, Frankenhauser, 2004: 113-114 [Qarara]; Kueny & Yoyotte, 1979: 170 [sepulchre Antinopolis, ca. 3rd c. AD]; Nauerth, 1996: 171, Tafel XLIV [Qarara]; 2011: 151-152 [Qarara]; Russo, 2004: 192, 194-197, Tavola X-XI [Antinopolis, 'Coptic']; Veldmeijer, In Press a [Antinopolis, see below]; see also Van Driel-Murray, 2002: 3-4). The characteristic shape, combined with the limited size that indicates these sandals were meant for children or adolescents, warrant a classification distinct from other sandals with comparable straps and as a group in its own right. Since these sandals have not been described by the AEFPP previously, it is suggested here to name the group 'Toe-Shaped Sandals' after the semi-circular cut-outs that are so characteristic.

Additional: Example of Strap

| | |
|--------------|---|
| Cat. No. | 12[c]; |
| Inv. No. | EA 53915; |
| Add. No. | Reg. No.: 1914,1010.17; PRN: YCA22808; |
| Collection | British Museum, London; |
| Provenance | Antinopolis; |
| Date | Byzantine(?)-early Islamic period; |
| Type | ? |
| Materials | Leather; |
| Measurements | Length sole: 185.0; Width heel: 55.6; Width waist: 51.5; Width front: 59.5; Thickness : 7.6; Width straps: 26.5; |
| Remarks | -; |
| Bibliography | Veldmeijer (In Press a); |
| Description | Child's sandal that consists of a sole with a rounded heel and a constricted waist from which the width slightly increases towards the front, terminating in a toe part that has a slight diagonal course. The sole consists of an in- and treadsole, which are secured with several, seemingly isolated, leather thong stitches at the edge and in the centre. The sandal is meant for the left foot. Note that the treadsole is slightly wider at the medial side. The sole show distinct wear. |

The straps are secured at the start of the heel and sandwiched between the insole and treadsole. It is not clear whether the straps consist of one strip of leather that runs to either sides of the sole or two separate parts that are only inserted between the edges of the sole layers, but most likely the latter (see below). They run diagonally towards the front of the sandal and cross each other. Possibly, they were secured with a big leather thong stitch that penetrated the two sole layers (the 'button' is still in situ at the ventral surface of the treadsole), thus also acting as front strap. The straps have a cut out design of triangles and diamonds lengthwise down the centre. The ends of the straps are serrated.

Composite Sandals

| | |
|--------------|--|
| Cat. No. | 13; |
| Inv. No. | CM 2174; |
| Provenance | ?; |
| Date | New Kingdom; |
| Type | Type B, Variant 1; |
| Materials | Leather; |
| Measurements | Length: 200; Width heel: 55; Width waist: 45; Width front: 63.5; |
| Remarks | Measurements are approximate. Sticker with 'N36'. Note the large rectangular patch at the ventral surface of the treadsole with the number. Dorsal surface of insole has remnants of a comparable sticker, but the number cannot be read anymore; |
| Bibliography | Veldmeijer (2009f); |
| Description | Badly preserved and incomplete, thick sole, lacking the front part. The heel is rounded and there is a distinctly constricted waist, from which, originally, pre-straps protruded, but which have long been lost. Towards the front, especially the lateral edge increases in width, resulting in a sole that is swayed for the left foot. |

The sole consists of at least two layers, but probably more (see below). These layers are secured by a double row of running stitching along the edge. The front half, however, has an additional row in be-

tween the two that continues along the entire edge. The stitching is very closely spaced; at some spots so close that the stitching can easily be mixed up with interlocking running stitching. The stitches seem to be made of flax. The exact construction cannot be determined due to the deteriorated state of the sandal.

The only evidence of the straps is the coiled end of the front strap at the ventral surface of the treadsole.

Discussion

Various leather composite sandals have been described (Veldmeijer (2009f)), but only several examples show a comparable stitching technique, where the sole layers are secured with running stitches without including decorative strips of leather. The use of flax for stitching is relatively rare in Pharaonic leather sandals but one example was mentioned, possibly from Thebes (*Ibidem*: 14-15). Furthermore, a row of stitches that extends only partially has also been noted in other sandals of this type (*Ibidem*: 12-14). The condition of CM 2174 (Cat. No. 13) is, unfortunately, too poor to be certain about the number of sole layers, but there is at least one midsole. The treadsole is added to the midsole(s) in a similar way as seen in many leather composite sandals. The insole is too tight to have contained a padding, unless it was a very shallow one as was also the case for the Ashmolean example (*Ibidem*: 14).

Note on Classification

According to Veldmeijer (2009f: 2) "The sole in Type B, Variant 1 has a rounded heel, constricted waist and a medial edge that runs nearly straight to the pointed toe. As usual [in this type] the lateral edge curves gently towards the toe, reaching the largest width at about halfway the length of the sandal. Thus, a swayed sole is created, the orientation of which is confirmed by the off centre position of the front strap. The shape of Variant 2 sandals is comparable although the lateral edge is less convex and the medial edge is slightly more curved. This variant, however, differs from Variant 1 in the fact that they have a large, extended, backwards curling

toe. The sole is padded in all examples.” From this description it is clear that CM 2174 (Cat. No. 13) is a Type B, Variant 1 sandal; the toe part, therefore, can be assumed not to have extended far.

Eared Sandals

| | |
|---------------------|---|
| <i>Cat. No.</i> | 14; |
| <i>Inv. No.</i> | CM 3297; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Pharaonic (New Kingdom, 1549-1069 BC); |
| <i>Type</i> | Egyptian Eared Sandal, Swayed Sole Type, Multi Sole Layer Variant; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 210; Width heel: 60; Width waist: 50; Width front: 88; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Bibliography</i> | Veldmeijer (2011b; 2011c); |
| <i>Description</i> | |

The sole is complete, but only scraps remain of the straps. The heel is rounded and the waist distinctly constricted. From this point onwards, the width increases: since the lateral edge curves gently towards the front and the medial edge is straighter, starting only to curve at the front edge, resulting in a swayed sole with a fairly distinctly pronounced big toe area. It is a right sandal. The sandal shows a slight overall curvature in the medial direction. The two sole layers are secured with a double row of short leather thong running stitches; the interstitch space is only slightly larger than the length of the stitches. The sole layers are further secured with a row of comparable stitching lengthwise down the centre.

A small remnant of the front strap remains in the single hole in the front. It is a coiled strip of leather. The ears (pre-straps) have broken off. It is dated to the New Kingdom on the basis of comparative material.

Comparative Material

| | |
|-------------------|---------------------------|
| <i>Cat. No.</i> | 15[c]; |
| <i>Id. No.</i> | 1889.1068; |
| <i>Collection</i> | Ashmolean Museum, Oxford; |

| | |
|---------------------|--|
| <i>Provenance</i> | Gurob, Tomb N; |
| <i>Date</i> | 18th Dynasty; |
| <i>Type</i> | Egyptian Eared Sandal, Swayed Sole Type, Multi Sole Layer Variant; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | (Left sandal): Length: 263.0; Width heel: 73.2; Width waist: 68.0; Width front: 106.1; Thickness: 6.7; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Van Driel-Murray (2000: 311-312); Veldmeijer (2011b; 2011c: 24-26, 43-86); |

Description

Pair of pink stained sandals, consisting of two sole layers: the insole is thicker than the treadsole. The treadsole slightly protrudes from the insole on all sides. The heel is rounded and the sole is constricted at the waist, where the pre-straps were situated. Towards the front the width increases, especially at the lateral side, which curves towards the pointed big toe area. Thus, the shape indicates the orientation of the sandal (swayed). The insole is pink (faded red?) and decorated with impressed lines. The sole layers are secured with leather thong running stitches along the edge. At the front part only, a second row of stitches further secures the layer at the inner side of the row that goes around the entire edge. The stitches are short at the dorsal surface of the insole as well as at the ventral surface of the treadsole. The treadsole of the right sandal is incomplete, showing the resin-like deterioration products of leather. Only fragments of the straps are present.

| | |
|---------------------|--|
| <i>Cat. No.</i> | 16[c]; |
| <i>Id. No.</i> | EA 4395; |
| <i>Collection</i> | British Museum, London; |
| <i>Provenance</i> | Unknown; |
| <i>Date</i> | 18th Dynasty (cf. Van Driel-Murray, 2000: 311-312); |
| <i>Type</i> | Egyptian Eared Sandal, Swayed Sole Type, Multi Sole Layer Variant; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 260.0; Width heel: 73.0; |

Width waist: 60.0;
Width front: 93.2;
Thickness: 9.6;
Width front strap: 8.0;
Remarks -;
Bibliography Van Driel-Murray (2000: 311-312); Veldmeijer (2011b; 2011c: 24-26, 43-86);

Description
The heel is rounded and the waist is slightly constricted, from which the width increases towards the front, especially at the lateral edge. The pointed big toe part suggests, together with the position of the front strap (partly preserved folded strip of leather), that the sandal was meant for the right foot. Two thick sole layers are secured along the edge with two parallel rows of leather thong running stitches. These are short at both sides of the sandal. Shallow impressed(?) lines flank them and one line runs parallel at the inside of it. Possibly at the heel is only one row of stitches. Both sole layers form the pre-strap, which is clad with a narrow strip of thin leather. The front strap at the treadsole is reef knotted.

Cat. No. 17[c];
Id. No. 11192;
Collection National Museums, Liverpool: World Museum;
Provenance Unknown;
Date 18th Dynasty (cf. Van Driel-Murray, 2000: 311-312);
Type Egyptian Eared Sandal, Swayed Sole Type, Multi Sole Layer Variant;
Materials Leather;
Measurements Length: 298.0;
Width heel: 83.8;
Width waist: 73.5;
Width front: 117.0;
Thickness: 12.2;
Remarks -;
Bibliography Van Driel-Murray (2000: 311-312); Veldmeijer (2011b; 2011c: 24-26, 43-86);

Description
This sandal has no less than five sole layers, which are secured at the edge by means of two rows of leather thong running stitches that show short at both sides of

the sole. The sandal had, now largely lost, pre-straps integrally cut from, probably, all sole layers. Note that the layers slightly protrude from each previous layer. The insole shows the same kind of decoration as the previously-described sandals, but here seems to have been made with tiny stitches rather than impressed lines.

Cat. No. 18[c];
Id. No. E11830;
Collection Oriental Institute Museum, University of Chicago;
Provenance Sedment el-Gebel;
Date 19th Dynasty;
Type Egyptian Eared Sandal, Swayed Sole Type, Multi Sole Layer Variant;
Materials Leather;
Measurements Length: 280.0;
Width heel: 75.2;
Width waist: 66.4;
Width front: 100.2;
Thickness: 2.4;
Remarks -;
Bibliography Van Driel-Murray (2000: 311-312); Veldmeijer (2011b; 2011c: 24-26, 43-86);

Description
The sandal has a rounded heel, constricted waist and flaring front. The lateral edge runs diagonally outwards, but makes a distinct curve at the front quarter of the length and runs in a nearly straight diagonal (i.e. without curvature) line towards the pointed big toe area. The medial edge runs in a nearly straight diagonal line towards the big toe area. The sole is swayed; the sandal is meant for the right foot.

The sole consists of at least two layers originally; at the heel are remnants of two thin layers of leather still in situ but these do not seem to be true sole layers. The layers are secured with two parallel rows of leather thong running stitches along the edge: these show short at the insole with wide interstitch spaces. The dorsal surface is stained red (cf. 1889.1068, Cat. No. 15[c]) and enhanced with stamped line decoration flanking the rows of stitching, those in the centre as well as the edge of the sandal. The ears, integrally cut from the same piece of leather as the sole layers, are torn off.

Discussion

CM 3297 (Cat. No. 14) has, of the sandals described in the present work, the least clearly pointed front and compares much more closely in this respect to the one sandal from Amarna (Peet & Woolley, 1923: pl. XX, 2). However, the front in the Amarna sandal is even more distinctly rounded. The sole layers are fairly thick, as is the case with the sandals described here. The sandal in the Coptic Museum shows a clear overall curvature, a feature that is fairly common with the material found in Amarna, but fairly rare from other sites and at any other period (Veldmeijer, 2011c: 24) and also not noticeable in the other sandals described here, except the roman shoe QI 80.2.7/95 (Cat. No. 109[c]). On the other hand, this sandal has the same sole shape as the other ones, although, again, it is less pronounced. Note that CM 3297 (Cat. No. 14) is the only sandal that has a row of stitching lengthwise down the centre and is devoid of decoration. A leather open shoe in the Egyptian Museum, Cairo combines a comparable sole with an upper (Veldmeijer, 2009h).

The only sandal that has a date is the example that is housed in the Ashmolean Museum, Oxford: it is dated to the 18th Dynasty (Van Driel-Murray, 2000: 312). Interestingly, the shape of the sole and especially the rather abrupt increase in width at the front, is reminiscent of the shape of Middle Kingdom sandals (e.g. Montembault, 2000: 49-50; Veldmeijer, 2009c; In Press b). However, these always have a rounded front part; pointed front parts developed during the New Kingdom and became longer during the late 18th and 19th Dynasties. Thus, an evolution in shapes and styles might well be presented here, starting with the early (tomb) sandals, moving to the changes of the Amarna sandals, eventually leading to the Coptic Museum specimen and the others with clear points (here represented by the Liverpool and Oxford examples).

Note on Classification

Several subcategories of Leather Eared Sandals are distinguished (Veldmeijer, 2011b: 2-3; 2013b: 33-34): Egyptian Eared Sandals and Nubian Eared Sandals. For the present work, the Nubian Eared Sandals, although characterised by pre-straps that are

an integral part of the sole's leather, will not be discussed because, according to Veldmeijer (2011b: 3): "instead of ears that project from the waist, in these sandals the heel is expanded at either side, usually into a triangular shape but rounded and extremely elongated rectangular-like expansions also occur".

The subcategory Egyptian Eared Sandals consists of two types: those with a straight sole and those with a swayed sole. Since CM 3297 (Cat. No. 14) has a swayed sole, it falls into this type. Two variants have been identified: those sandals that consist of a single sole layer and those with multiple sole layers. According to Veldmeijer (2011b: 4) the Multiple Sole Layer variant mainly occur in Amarna. However, the sandals discussed here fit the description with one exception: the front is not rounded but pointed. Therefore, the traits for Egyptian Eared Sandals are adjusted: the front can be either rounded or pointed, the latter thus far only attested with multiple sole layers. Note, however, that here are also multiple sole layer variants with a rounded front, as shown by the Amarna material (Veldmeijer, 2011c). The choice to identify CM 3297 (Cat. No. 14) as Eared Sandal rather than a Leather Composite Sandals is due to the absence of applied decoration and the fact that the pointed types (Type B and C), are much narrower and elongated. Type B usually has a large, backwards extending toe part.

Independent Pre-Strap, Multi-Layer Sole

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|---------------------|--|
| <i>Cat. No.</i> | 19; |
| <i>Inv. No.</i> | CM 3302; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Post-Pharaonic; |
| <i>Type</i> | Single Front Strap, Pre-Strap Through Two Slits, Swayed Decorated Sole; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 140.5; Width heel: 42.7; Width waist: 44.4; Width front: 55.3; Thickness sole: 4.0; Width slits back strap: 14.6; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: |

49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description

A near-complete child's sandal, which misses the medial front corner. The heel is rounded and the waist modestly constricted. From here towards the front, the width increases by means of a gently convex curving lateral edge. The medial edge increases in width too, but without curvature. The result is a swayed sandal that is meant for the right foot. The sole consists of two layers, which are secured with widely-spaced running stitches of leather thong. Since the spacing is nearly equally wide at both sides of the sole, the stitching is done diagonally (see Veldmeijer, 2011d: 16-17). One row of comparable stitching lengthwise down the centre further secures the sole layers.

The insole is enhanced with impressed motifs in rows orientated lengthwise. These motifs are best described as floral, consisting of a double circle surrounded by leaves.

At the heel are, at either side, two slits positioned lengthwise for the reception of the pre-strap, remnants of which are still *in situ*. The pre-strap is sandwiched between the two sole layers. Nothing remains of the front strap.

| | |
|---------------------|---|
| <i>Cat. No.</i> | 20; |
| <i>Inv. No.</i> | CM 11393; |
| <i>Provenance</i> | Deir al Koseir (1964); |
| <i>Date</i> | Post-Pharaonic; |
| <i>Type</i> | Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole; |
| <i>Materials</i> | Leather |
| <i>Measurements</i> | (right/left) Length: 218.0/220.0; Width heel: 58.0/60.0; Width waist: 50.1/49.9; Width front: 74.4/76.3; Thickness sole: 5.2/3.4 (first measurement seems original thickness); Width pre-strap: 14.2/15.7; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93- |

105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description

Pair of near-complete sandals. The heel is rounded and changes towards the front in a narrow waist. From here, the width increases gradually; the lateral edge has a distinct convex curvature at the front quarter of the total length and gently curves towards the big toe area. The medial front edge, however, curves more gently towards the big toe area, starting much further at the front. The result is a swayed sole. The two sole layers are secured with short and widely-spaced leather thong running stitches at both sides.

The dorsal surface of the insole is decorated with impressed motifs. A row of circles (perhaps rosettes) follows the edge and comparable motifs are added in a row lengthwise down the centre. At either side of the centre row are two rows of circular impressed motifs. Note the line decoration that flank the centre row of stitching and runs next to the stitching at the edge.

Nothing remains of the front strap, but there are two slits visible, one before the other. The broken off pre-strap is pulled through slits in the insole, which are positioned relatively far back at the heel, posterior to the waist. There is a repair of the pre-strap at the left sandal.

| | |
|---------------------|---|
| <i>Cat. No.</i> | 21; |
| <i>Inv. No.</i> | CM 3299; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Post-Pharaonic; |
| <i>Type</i> | Undetermined; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 213; Width heel: 75; Width waist: 76; Width front: 90; Width pre-strap: 45; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Bibliography</i> | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74); |

Description

A near complete sandal, which lack only a small part of the front. Probably, the sandal was meant for

the left foot; possibly, the sole is swayed. The heel is rounded. Towards the front, the width increases slightly in size, starting after the waist. The two sole layers are secured along the edge and lengthwise down the centre with small leather thong running stitches with large interstitch spaces.

The wide pre-strap, which is torn off, is pulled through two slits in the insole; note that the slits are situated relatively far back towards the heel. Large leather thong repair stitches are visible at the medial edge.

| | |
|---------------------|---|
| <i>Cat. No.</i> | 22; |
| <i>Inv. No.</i> | CM 12171; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Post-Pharaonic; |
| <i>Type</i> | Not specified; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | ? |
| <i>Remarks</i> | Not illustrated; since the object has not been studied hands-on, the description is superficial and the sandals are not included in the comparison; |
| <i>Bibliography</i> | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74); |

Description

Pair of near-complete sandals, lacking the edge of the heel and most of the strap complex. The heel is rounded and the waist is gently constricted. From here, the width increases towards the front almost equally; the lateral edge, however, is slightly more convex. Thus the sole is slightly swayed, indicating that it was meant for the right foot. The two sole layers are secured only by the straps; stitching is absent. The dorsal surface of the insole is elaborately decorated with impressed geometrical motifs and lines. Remnants of the front strap are still *in situ* in the two holes that are positioned one before the other. The broken off pre-strap is pulled through two slits at the waist. Probably, the two sandals form a pair although one of the two is much more shaped. Usually, pairs are (almost) perfect mirror images, suggesting that these were originally not a pair.

Comparative Material

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|---------------------|--|
| <i>Cat. No.</i> | 23[c]; |
| <i>Id. No.</i> | QI 78.3.16/71; |
| <i>Cur. Loc.</i> | <i>Apparently kept by Cairo at Division;</i> |
| <i>Provenance</i> | <i>Qasr Ibrim, West Plaza, Central Section, Level 9, Pit 78/157 fill;</i> |
| <i>Date</i> | <i>Classic Christian (AD 850-1100);</i> |
| <i>Type</i> | <i>Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole;</i> |
| <i>Materials</i> | <i>Leather;</i> |
| <i>Measurements</i> | <i>Length: 23.2 cms;</i> <i>Width: 9.3 cms;</i> |
| <i>Remarks</i> | <i>Measurements from find card;</i> |
| <i>Bibliography</i> | <i>Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);</i> |

Description (according to find card)

Left sandal sole. Complete but no [straps]. 2 leather [sole layers], sewn with leather around the [edge], one line of stitching down the middle from end to end and two more lines flanking this from front to halfway only. Tiny stitches appear above and below, most of the stitching being between the thicknesses. [Dorsal] surface [of insole] decorated with incised lines follow the line of the edge, at a distance of c. 0.3, 1.0 and 2.0 cms from it. In the 2 spaces between, double-ring impressions (dia[meter] c. 0.4 cms), 57 in outer and 49 in inner. 2 rows of 3 more across, 5-6.5 cms from rear and 12 more (dia[meter] 1.0 cms) down the centre. In [insole] only, 2 holes at 1 and 2.5 cms from front, 3-3.5 cms from right, to take a front [strap]. Through both [sole layers], slits 2 cms long, 1 cm from each edge and starting 5 cms from the back. 2 in number. To take [pre-straps]. Hole c. 5 x 3 cms in heel, lower thickness only, had been patched on [ventral surface] and leather sewn, but subsequently removed, presumably when sandal was finally discarded. [...]

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| <i>Cat. No.</i> | 24[c]; |
| <i>Id. No.</i> | QI 78.3.22/56; |
| <i>Add. No.</i> | Cam-3637; |
| <i>Collection</i> | <i>British Museum, London;</i> |

Provenance Qasr Ibrim, South Bastion (C2), West Passage, Level 1;
 Date Roman (c. AD 25-100);
 Type Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole;
 Materials Leather;
 Measurements Length: 12.1 cms;
 Width: 4.9 cms;
 Remarks Measurements from find card;
 Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

Infant's left sandal. Sole of 2 [sole layers] of leather. Stitched together with leather all around the [edge] and in two lines [lengthwise] down the [centre]. 0.7 and 2.0 cms from front, in line longitudinally, 2 slits to take front [strap]. 1.5-2 cms from right edge. These are distorted through pull of the [strap], showing the sandal was worn, although there are no holes in the sole [the front strap is sandwiched between the insole and treadsole, a construction that is relatively rare but not entirely uncommon]. Slits are c. 0.4 cms long. Two long (1.5 cms) slits 3-4.5 cms from back, central placed, 2-3 cms apart. Through these still runs a leather [pre] strap consisting of 2 thicknesses, 1.2 cms wide. Its surviving length is 7.5 cms. One end projects 2.5 cms and is complete to a rounded end, close to which are 2 slits side by side and knotted through them a small fragment of a [back strap] 0.4 cms wide. The other [strap] projects 2.3 cms and its end is broken. The face of the [strap] that lay on top when the sandal was tied up, is decorated with incised designs [wavy line]. [The insole] is decorated with incisions and impressions on [the dorsal] surface. 4 incisions follow the line of the edge the whole way round, at a distance of c. 0.1, 0.6, 0.8 and 1.4 cms. The 2 wider panels thus formed are decorated, outer [with S-shaped motif], inner [with double circles]. Sole complete. [Straps] partly preserved.

Cat. No. 25[c];
 Id. No. QI 78.3.15/58;
 Add. No. Cam-3671;
 Collection British Museum, London;

Provenance Qasr Ibrim, West Plaza, Central section, Level 9;
 Date X-group (AD 600-650);
 Type Unidentified;
 Materials Leather;
 Measurements Length (preserved): 14 cms;
 Width (preserved): 7.5 cms;
 Remarks Measurements from find card;
 Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

A) Rear part of sandal. Single [layer]. 2 slits 1.5 cms long, about 2.5 cms from back [edge]. [...]

Cat. No. 26[c];
 Id. No. QI 74.2.28/4;
 Add. No. Cam-3234;
 Collection British Museum, London;
 Provenance Qasr Ibrim, House X2.2, Room 3, Pit fill;
 Date X-group (AD 550-650);
 Type Single Front Strap, Pre-Strap Through Two Slits, Swayed Undecorated Sole;
 Materials Leather;
 Measurements Length: 17.2 cms;
 Width: 7.2 cms;
 Remarks Measurements from find card;
 Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description

The sole of this sandal consists of three layers. The insole lacks the lateral front corner. The treadsole is worn through and has a repair patch at the heel. The heel is rounded from which the width towards the front increases continuously; the waist is not constricted. The lateral edge seemingly runs towards the big toe area with a curve, suggesting the sole is swayed for the left foot. However, complete certainty cannot be obtained as the treadsole is warped. The layers are secured with leather thong running stitches that show short with large interstitch spaces at the dorsal surface of the in-

sole, but this is only done to secure the repair patch at the heel: the layers in the front are not secured except for the, now lost, front strap. The pre-strap insert in slits at either side at the waist; the end of the strap (only one is preserved) is rounded and has two slits for fastening the back (and heel?) straps.

Cat. No. 27[c];
Id. No. QI 82.3.5/64;
Add. No. Cam-3114;
Collection British Museum, London;
Provenance Qasr Ibrim, West plaza, Central section, Level 6, above West Temple wall 0-50;
Date Early Christian (AD 650-850);
Type Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole;
Materials Leather;
Measurements Length: 23.2 cms;
Width: 8.7 cms;
Remarks Measurements from find card;
Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)
Shaped sandal, originally of three [sole layers]. [Treadsole] now lost except [heel]. [Insole] has lost front end [detached; still present?]. [Treadsole] is fairly thin, others fairly thick. Stitches are all leather, passing through all 3 [layers], showing very neat and small [at dorsal surface of sole]. Three longitudinal lines down the centre and one [row of stitches along the edge]. [Insole] (only) has two longitudinal slits 2 cms long, 6.5 cms from the rear. In this, a scrap of [pre-strap] survives. [The dorsal surface of the insole] is decorated overall with stamped and incised designs. There are a pair of lines inside the [edge], two longitudinal converging pairs in the central area, cross-lines flanking the [pre-straps] and stamped circles in all fields (no central 'cups' in circles). In places, this decoration is much worn through wear.

Cat. No. 28[c];
Id. No. QI 78.2.2/42A;
Add. No. Cam-3148;

Collection British Museum, London;
Provenance Qasr Ibrim, West Plaza, Below EC 1-21, Level 9;
Date Early Christian (AD 650-700);
Type Single Front Strap/Pre-Strap Through Slits/Swayed(?) Decorated Sole;
Materials Leather;
Measurements Length: 11 cms;
Width (max.): 8 cms;
Remarks Measurements from find card;
Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)
[...] A) Three pieces of leather face to face, all of approx[imately] the same size [i.e. three sole layers]. The two tapering sides are original; the two ends are tears. They were attached by 5 rows of [running] stitching, in leather, much now gone. [The stitches show short with large interstitch spaces at both sides of the sole]. One [...] row [of stitching] crosses one end of the surviving fragment and attaches also, to the underside, the remains of a small strap. The [insole] has also two decorative rows of, [circular] incisions. Also decorative are 4 rows of [circular] impressions, running longitudinally also. [...]

Cat. No. 29[c];
Id. No. QI 90.1.15/48;
Cur. Loc. Egypt;
Provenance Qasr Ibrim, Trench 10 (10098);
Date ?;
Type Single Front Strap/Pre-Strap Through Slits/Swayed(?) Decorated Sole;
Materials Leather;
Measurements Length (pres.): 21 cms (probably nearly original);
Width: 9 cms;
Remarks Measurements from find card;
Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)
Almost complete sandal, lacking part of rear end. Left foot. Was very crumpled when found. Two stout (each 0.25 [cms]) but soft [...] leather sole [layers], sewn together with a leather [thong in running stitch]. All stitches broken below, proving (with the soft [ventral surface] of the [mostly lost, but see below, treadsole]) there was a third [sole layer] below. [It] actually survives, left front and right rear. Sewing all around the [edge] and in two longitudinal lines in the central area. Stitches show small (mostly 0.2 [cms]) on top; total length of stitch (above and below) usually about 1.2 cms. Two longitudinal slits to take [the pre-] strap, starting about 6 cms from rear of sandal (i.e. well towards middle) and 2 [cms] long. The [insole] has torn between them, where the strap rubbed it, or probably on the line of 2 decorative incised lines; trace of forward one survives, but survives sunk between the [layers] though detached. The slits cut the [midsole] too, but only 1.0 [cms] (right) and 0.5 [cms] (left) long, so this is probably accidental. There are two holes for the front [strap], each 0.5 [cms] apart, transverse, 2.5 and 3.0 [cms] from front end. Scrap of leather [strap] survives in them. Leather [strap], presumably the same one, runs from above that spot (broken end) to [front] edge, and is knotted through 2 more transverse slits. These perhaps secondary. All 4 front slits are in [insole] only.

[The dorsal surface of the insole is] decorated. Single incised line follows [edge] 0.2 [cms] inside it. Then a pair such, variably 0.25-0.35 [cms] apart, outer one variably 0.4-0.6 [cms] in from the single one (unusually careless to vary so much) then a further pair, usually 0.25 [cms] apart, over one 0.7-0.95 [cms] further in. In field between the 2 pairs [...] ("sun") stamped impressions, outer circle dia[meter] 0.4 [cms], overall 0.6 [cms] dia[meter]. Centres spaced about [sic] apart, mostly very worn in use. Further longitudinal row up the centre, with a larger stamp [...] [double circle] only, dia[meter] c. 0.8 [cms]. Only 2 survive the wear, centres 3.2 [cms] apart. Just within the field of the centre, close to the innermost line, row of 'running dog' stamps [or string motif] Another row with the same stamp, in the outer field between single line and outer pair. The stitches do not respect the decoration. Single stitch hole, purpose unclear, in centre just ahead of strap line. Row of transverse leather repair stitches, rear end near break. All these through both [sole layers].

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| Cat. No. | 30[c]; |
| Id. No. | 10.206/A6; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, Trench 10 (10.206); |
| Date | Early Christian (AD 700-850); |
| Type | Single Front Strap/Pre-Strap Through Slits/Swayed(?) Decorated Sole; |
| Materials | Leather; |
| Measurements | Length: 21 cms; Width: 8.4 cms; |
| Remarks | Measurements from find card; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montebault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74); |

Description (according to find card)
[...] Almost complete sandal. Left foot. Front end partly lost and other wear to [ventral surface of sole]. 3 [layers] of stout leather, each c. 0.2 [cms thick], together 0.6-0.7 [cms] variable. Sewn together with leather [thong running stitches], around [edge] and in two longitudinal lines not parallel but converging towards waist. Diverging again in rear area [basically following the shape of the edge too]. Strands width 0.2-0.25 [cms]. Stitches done so as to show minimally above and below, generally about 0.2 [cms] in each case. Total length of stitch usually 0.9-1.1 cms [thus, the stitches show short at both sides of the sole, with larger interstitch spaces]. Longer stitches showing at left and right fronts and around rear, from repairs. These are the places where the [treadsole] is lost (there is also a long longitudinal split in the central area) so presumably these were repairs to try to arrest the early development of these deteriorations. 2 longitudinal slits to take [pre-]strap, usual position at waist, 1.8 [cms] long (left), 2.2 [cms] (right) (but right perhaps partly split), starting c. 5.5 [cms] from rear end. No front [strap]-hole survives but it was probably c. 4.5 [cms] from front where [tearing of the] hole begins.

Decoration by incision and stamp [...]. Single incised [edge] line 0.2 [illegible]; field 0.5-0.9 [cms]; part of lines 0.1-0.2 [cms] apart (rather variable); field 0.7-0.8 [cms]; another pair 0.2 [cms] apart (more consistently). Two pairs of lines across waist, 0.15-0.25 apart, leaving field 1.7-1.9 [cms] wide, for which tie inner pairs of longitudinal lines halt

(though the innermost left seems to go on in part) at the outer cross-lines. So the cross-lines probably made first. The strap-slits fall within the outer pairs of longitudinal lines. Outermost field filled all around with double-ring motif stamps, dia[meter] 0.4 [cms] and spaced about 0.4 [cms] apart. Same stamp applied all around, just within innermost field, close to innermost pair of incised lines. Single line of triple-ring motif stamps longitudinally along the centre (double and triple – both cease for waist area, then resume). Dia[meter] of triple-ring is 0.7 [cms] (though distortion makes it often appear less). In field between the [edge] pairs of lines, continuous [...] double-line stamped motif [perhaps best described as ‘string’ motif]; these do appear in the waisted section, uninterrupted. Part way down left side, one stitch [...] clearly cut by a double-ring stamp, so stitched first.

Cat. No. 31[c];
 Id. No. QI 85.12.20/347;
 Cur. Loc. Egypt;
 Provenance Qasr Ibrim, 939 Plaza, Level +;
 Date Late Christian or later (> AD 1100);
 Type Single Front Strap/Pre-Strap Through Slits/Swayed(?) Decorated Sole;
 Materials Leather;
 Measurements Length: 13.5 cms;
 Width: 7.9 cms;
 Remarks Measurements from find card;
 Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauwerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

Found 23.1.1984. Central part of right foot sandal. Most of [lateral] side lost. Single [sole layer,] fairly thick (c. 0.2 [cms]) [but the] stitches, all broken [at the ventral surface] show there was another [layer]. Closely resembles left sandal 85.12.20/318 [Cat. No. 32[c]], and could very well be its ‘pair’. The apparent disparity in width is due to the accident of preservation of different areas, and they very closely resemble each other. Stitching like [85.12.20]/318, i.e. very small stitches, often only slits, show [at dorsal surface] and these are regularly [but widely] spaced.

Note spacing is approx[imately] 1.1 cms, exactly as [85.12.20]/318 [Cat. No. 32[c]]. Four lines of stitches, as in [85.12.20]/318 [Cat. No. 32[c]], but note extras at front right; unclear how these fitted in. Stamped motifs are ‘running dog’ [‘string’ motif] in two fields, with ring and dot between. The ‘running dog’ is caused by two (not one) cuts per motif. [...] The ring and dot is caused by two concentric cut grooves, leaving the central dot raised. This is the same pair of motifs as [85.12.20]/318 [Cat. No. 32[c]], same size, same spacing. The central row of 3 concentric circles of [85.12.20]/318 [Cat. No. 32[c]] could not be seen; it was possibly present but worn down. [...]

Cat. No. 32[c];
 Id. No. QI 85.12.20/318;
 Cur. Loc. Egypt;
 Provenance Qasr Ibrim, 1050 House, Room 3, Level 1, Stair fill;
 Date Early Christian 2 (AD 700-850);
 Type Single Front Strap/Pre-Strap Through Slits/Swayed(?) Decorated Sole;
 Materials Leather;
 Measurements Length: 12.8 cms;
 Width (max. pres.): 8.0 cms;
 Remarks Measurements from find card. Although the heel part is not preserved, and thus it is not clear whether it had a pre-strap running through slits at either side, the sandal part is so comparable to 85.12.20/347 (Cat. No. 31[c]) that it has been suggested that they might be a pair, hence the insertion of the description in the present section;
 Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauwerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

Found 15.2.1984. Damaged front half of sandal – probably left one. Two [layers] of medium thickness leather joined by four rows of longitudinal [running] stitching (leather [thong]) which are tiny, usually only slits, [at dorsal surface of insole] and not very large

[at the ventral surface], most length being between [the sole layers]. [...] Small parts of a [treadsole] survive beneath, on same stitches. Additional stitch front left (tail of thread?), one lower centre and a pair of holes lower left.

[Dorsal surface of insole] decorated with grooves following edge line and across sandal "centre", all in pairs except single along edge. Really all rather crudely cut. Stamp of 3 concentric circles runs up centre line (dia[meter] c. 0.65 cms) (much worn) and ring and dot. Actually ring and dot, formed by two concentric grooves. The illusion of rosettes is caused by the way the leather cracks. In second field in running [dog] design ['string' motif] stamped in central area, around the edge; same stamped design also in exterior field, near edge. Front [strap] hole visible in break, [insole]. Note the very regular and careful stitching. Where a [string] motif and a stitch coincide, the stamp occurs on the stitch, so was done later. Were a cross-cut and [string] motif coincide, it is not possible to tell which was first. Cf. 85.12.20/347 [Cat. No. 31[c]], [85.12.20]/345 [Cat. No. 33[c]]. The former could well be its 'pair'.

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| Cat. No. | 33[c]; |
| Id. No. | QI 85.12.20/345; |
| Cur. Loc. | Divided to Cairo; |
| Provenance | Qasr Ibrim, 939 Plaza, Level +; |
| Date | Late Christian or later (> AD 1100); |
| Type | Single Front Strap/Pre-Strap Through Slits/Swayed(?) Decorated Sole; |
| Materials | Leather; |
| Measurements | Length: 13.2 cms; Width: 9.0 cms; |
| Remarks | Measurements from find card; Inserted, despite absence of diagnostic heel part, because it can be assumed, on the basis of being highly comparable to for example 85.12.20/318 (Cat. No. 32[c]), that it is a comparable type of sandal; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74); |

Description (according to find card)

Front end of left sandal. [...] Two [layers] [...] and small parts of 3rd below. Leather has gone 'glossy' in break [; the break] is modern. The 3 [sole layers] seem all about equal thickness, totalling about 0.6 cms. The underside of the [midsole] looks red, and the whole may have been [red]. Four longitudinal rows of leather stitches, of which the two outside ones continue around the front end. Made so as to present for as short a distance as possible [at the ventral surface] and, especially, [the dorsal surface of the insole]. Fairly evenly spaced [at the insole]. Complicated group of slits for front [strap], probably 6 in a circle. In these, scraps of leather thong 0.5 [cms] wide but not certain if all these were ties or some stitching to hold it. Top: stamped triple [circles] all around edge, made so that centre is in raised relief. Pattern of puncture marks, either stamped or just pushed in, within these. No cut grooves to be seen. Surviving traces of stamped [...feather] motifs, apparently back to back. Surviving part cracked and in danger of breaking up. Cf. 85.12.20/318 [Cat. No. 32[c]], [85.12.20]/347 [Cat. No. 31[c]]. Note: [impressed circles] are triple, unlike [85.12.20]/318 [Cat. No. 32[c]] and [85.12.20]/349, which are virtually certainly only double. Also, although dia[meter] varies with stretch of leather, they really do seem smaller than the row up the centre of [85.12.20]/318 [Cat. No. 32[c]], so the stamp seem not the same. Note one of the front right stitches is clearly and undoubtedly cut by the [...] stamp, so stitching before stamping.

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| Cat. No. | 34[c]; |
| Id. No. | QI 85.12.26/49; |
| Cur. Loc. | Divided to Cairo; |
| Provenance | Qasr Ibrim, House 138, Level 1; |
| Date | Early Christian 2 (AD 700-850); |
| Type | Single Front Strap/Pre-Strap Through Slits/Swayed(?) Decorated Sole; |
| Materials | Leather; |
| Measurements | Length (pres.): 18.0 cms; Length (original) (est.): c. 19 cms; Width (sole): 7.5 [cms]; |
| Remarks | Measurements from find card; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93- |

105); Nauwerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

Left sandal. Single [layer] stout sole. Two small holes in line c. 2.1 cms apart, for (lost) front [strap]. Longitudinal slits 1.5 cms long, 4.0 cms apart, for [pre-strap]. This survives in part – strap 1.1 cms wide. In the end of this [...] slits longitudinal leather thong scrap survives threaded [...]. Strap undecorated. Sandal has [edge] decoration, continuous [string motif] and triple ring, and one former runs across also in two lines, over the strap – which incidentally shows [at the ventral surface of this single layer] and would wear easily. The triple-ring motif is clearly made with a punch, and there are several 're-entries' along right side, i.e. partial doubling of the impression. The running motif assumed punches also, but carefully aligned. [Ventral surface] plain. Some under[illegible] wear and heel worn – end of heel lost – but little wear of sole. Front curved up by pressure of toes, especially big toe. Certainly left foot. Perhaps a woman's sandal (size) [but could also be an adolescent man]. Cf. 85.12.26/50 [Cat. No. 35[c]] but this is also left and differs so not a pair. Same owner? [as found in same context and same size]. Red leather.

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| Cat. No. | 35[c]; |
| Id. No. | QI 85.12.26/50; |
| Cur. Loc. | Divided to Cairo; |
| Provenance | Qasr Ibrim, House 138, Level 1; |
| Date | Christian; |
| Type | Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole; |
| Materials | Leather; |
| Measurements | Length (pres.): 18.0 cms (if toe un- rolled); Original length (est.): 18.5 cms; Width: 6.6 cms; |
| Remarks | Measurements from find card; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93- 105); Nauwerth (1996; 2011); Veld- meijer (2013b: 50-74); |
| Description (according to find card) | |
| Left sandal. Single [layer] stout sole. Two small holes in line 1.9 cms apart for (lost) front [strap]. | |

Two slits 1.6 cms long for [pre-]strap – distortion shows this passed under as 85.12.26/49 [Cat. No. 34[c]]. Strap lost. [Ventral surface] plain. Front end damaged and rear end lost. Upper side elaborately decorated. Zone demarcated for strap by cross lines (paired) and single deeply stamped 'rosette' motif clearly remains. Almost effaced by wear are 2 overlapping circles filling this zone probably with other (identical?) motifs in, and two short longitudinal frame lines alongside slits [for reception of the pre-strap]. Remainder of sole elaborately decorated with incised lines and stamped motifs. Motifs are double concentric circle[s], outer gouged (dia[meter] 0.75 cms, too large to be the one used over one strap, it appears) and herringbone/branches with doubled rib (or perhaps more probably, a gap between the two lines of branches [...]) Latter is applied longitudinally. Forward of the strap but laterally to its rear, all running same way (base to left). Heel much more worn than [front part]. Small size, perhaps woman's [or adolescent man], cf. 85.12.26/49 [Cat. No. 34[c]], but this is also left, thicker leather and different design, so not a pair. Black leather [differs also from the red leather of 85.12.26/49, Cat. No. 34[c]].

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| Cat. No. | 36[c]; |
| Id. No. | QI 89.12.23/16; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, 13.003, Room 237, Level Unstratified; |
| Date | ? |
| Type | Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole; |
| Materials | Leather; |
| Measurements | Length: 16.0 cms; Width (pres.): 6.8 [cms]; |
| Remarks | Measurements from find card; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93- 105); Nauwerth (1996; 2011); Veld- meijer (2013b: 50-74); |

Description (according to find card)

Sandal fragment, probably left sandal. Rear end (damaged) and centre front lost. 2 [sole layers] of fairly thick (0.15 [cms]) [...] leather; sewn together with leather [thong running stitches], all around the

edge and in two longitudinal lines [down the centre], approx[imately] 5.5 stitches per 5 cms. All stitches are broken on [the ventral surface] so there is at least one other [layer below]. Two parallel longitudinal slits to take [pre-strap], these are 2.6 and 2.7 [cms] long respectively. These start 5.0 [cms] from rear. Decoration on [dorsal] surface [...], consisting of incised lines and stamped motifs. The incised lines run around the edge (3, inner pair close together) and down the front area (2 pairs), as well as across to define the [pre-strap] area (2 pairs). Stamped motifs are of 2 types, a continuous "running dog" type [... string motif] and a [...] circle with raised dot in middle. Front break should be close to [strap] hole, but not visible. [Note: the card mention 'rayed circle', but the rays are due to cracking of the leather].

Cat. No. 37[c];
Id. No. QI 90.1.2/32;
Cur. Loc. Egypt;
Provenance Qasr Ibrim, 10.053;
Date X-Group (AD 400-650);
Type Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole;
Materials Leather;
Measurements Length: 22.9 cms;
Width: 8.8 cms;
Remarks Measurements from find card;
Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)
Left sandal, complete except part [of tread] sole and part [of straps]. Similar to 90.1.2/33 [Cat. No. 38[c]] but not a pair [...]. Two [sole layers], both medium thickness (each 0.15 [cms]) leather sewn together around the edge and [lengthwise] down the middle with small neat leather [thong running] stitches [illegible] so that as little as possible is displayed [...]. A single, not double, strand c. 0.2 [cms] wide. Stitches are 6.5-9 per 5 cms. Most stitches are intact, so never a 3rd [layer]. 2 transverse slits for front [strap], 0.7 [cms] (front) and 0.9 [cms] long, 2.1 [cms] apart. 2 longitudinal slits near edges, to take [pre-strap], 1.7 [cms] (right) and 1.9 [cms] (left) long, starting 6.2

[cms] from rear edge furthest point. Part of [pre-strap] survives, leather [strip] passing between the edges. Right side width is damaged, left side is 1.2-1.3 [cms wide]. At 4.3 [cms] from point of emergence, it is divided by longitudinal cuts, 2 surviving (1 of them in break) to 1.0 [cms] length, probably originally 3 [cms]. [These were used to attach the back (and heel?) strap]. [Dorsal surface of insole], only, decorated. Pair of incised lines around edge; further pair, assume one of two (other worn away) longitudinally further towards centre, under instep. 2 pairs and 2 singles transverse across instep. The inner longitudinal pair is visible again around front and around rear. Further transverse pair visible near front end. The surface is much worn and more perhaps lost. The other [decorative] element is a stamped triple circle [...] dia[meter] 0.5 cms. These run all around the edge between the paired lines, and are cut by the rear tie slits, which are therefore later. Rows run across, between the (pairs of) transverse lines where these are visible, approx[imately] equally spaced throughout, numbers varying according to sandal width. The ball of the foot is much worn but there are traces of them there. Only where the [pre-strap] passes through is it too worn to tell. The last row is curved to follow the heel contour, though the first does not follow the front end contour. Note that there are front and [pre-strap]-slits in the [treadsole], corresponding to the [insole], though the stitching rules out a 3rd sole [layer].

Cat. No. 38[c];
Id. No. QI 90.1.2/33;
Cur. Loc. Egypt;
Provenance Qasr Ibrim, 10.053;
Date X-Group (AD 400-650);
Type Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole;
Materials Leather;
Measurements Length (preserved): 16.5 cms;
Width: 8.5 cms;
Remarks Measurements from find card;
Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

Front end of right sandal. Similar to 90.1.2/32 [Cat. No. 37[c]] but not a pair because: - slits for [pre-strap] further forward; - different stamps used; - different combination of motifs; - different stitching. Two [sole layers], [insole] much thicker (0.3 [cms]) than [treadsole] (0.1 [cms]) [...] leather. [Treadsole] survives only as strip at left edge and scrap at right rear. Originally sewn together around the edge and in two lines down the middle in neat leather [thong running] stitches. [These are very short at the dorsal surface of the insole as to display as little as possible.] Small transverse cracks show their location. These stitches survive in the two middle lines only. Approx[imately] 5 per 5 cms. Around the edge they have been replaced by tidy stitching which nevertheless shows [at the dorsal and ventral surface of the sole] about 2.5 per 5 cms, designed to show less [at dorsal surface] than [at ventral surface]. These stitches utilise some (not all) of the original stitch holes, and obscure some of the stamped motifs. Two transverse slits for front [strap], 1.1 [cms] (front) and 1.4 [cms] (back) long, 2.5 [cms] apart. Two longitudinal slits (one in break) for [pre-strap], survivor (right) 2.3 [cms] long. No [straps] survive. 3 equally-spaced incised lines follow the line of the edge. The ball of the foot is worn, but under the in-step survive transverse lines joining the inner ones, 4 pairs discernible. Around the edge, between the two outer lines, a row of stamped double circles [...] (dia[meter] 0.4 [cms]) between the two inner lines, a row of stamped single circles [...] (dia[meter] 0.15 [cms]). Between the [pre-strap] slits a row of single circles between a pair of transverse lines; behind it a pair of double circles survives at the break. Forward of it a larger (dia[meter] 0.7 [cms]), triple circle is surrounded by a ring of 11 singles. Between the next pair of lines, a row of singles. Next a row of doubles, than a row of triples. Forward of this a curving longitudinal line of triples. Much worn, and all around the edge of the central field a line of doubles.

Cat. No. 39[c];
Id. No. QI 90.1.15/43;
Cur. Loc. Egypt;
Provenance Qasr Ibrim, 14.025, Top fill in Room 24;
Date Early Christian (AD 650-850);

Type Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole;
Materials Leather;
Measurements Length (if flat): 19.0 cms;
Width: 7.1 cms;
Remarks Measurements from find card;
Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

Sandal sole, complete except for rather strange damage down most of the left side (intentional narrowing??). Left foot. Thick (0.5! [cms]) leather sole, single thickness. No [straps] survives, but 2 transverse [strap]-holes for front [strap], resp. 1.5 and 3.3 [cms] from front end, 0.6 [cms] long and originally just slits pulled by the [straps]. 2 longitudinal slits for [pre-strap], in usual position well forward of rear, starting 5.8 [cms] from it, each 1.0 [cms] long; presume for narrow cross-strap. [Ventral surface] undecorated. [Dorsal surface] decorated with multiple use of 2 stamps. Around the edge (at right angles to it) zigzag with 5.5 triangles [...], 1.3 [cms] long where complete, with 3 more across the waist, parallel, not in line with the slits but starting 5.0 [cms] from rear. [...] Second stamp is double ring, dia[meter] 0.4 [cms], in shape of sandal edge within the area defined by the zigzags, breaking where 3 transverse zigzags occur is probably the zigzags done first, as might be expected. The front [strap]-holes respect the stamped motif, the rear slits do not. Slightly bowed. [...]

Cat. No. 40[c];
Id. No. QI 90.1.2/35;
Cur. Loc. Egypt;
Provenance Qasr Ibrim, 10.053;
Date X-Group (AD 400-650);
Type Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole;
Materials Leather;
Measurements Length (pres.): 18.0 cms;
Width: 8.5 cms;
Remarks Measurements from find card;
Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006:

49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

Left sandal, complete to front edge. Of [pre-strap] slits only. Three [sole layers]. [Insole] and midsole quite stout (0.15-0.2; 0.3 [cms] resp) [...] leather; [treadsole] thinner, softer, but perhaps due to wear. Two transverse slits for front [strap], each 1.0 [cms] long, 1.9 and 3.2 [cms] from front. They do not appear in [treadsole], only [insole] and [midsole]. [Insole] damaged, torn out between slits. [...] No [strap] survive[s]. At break, front of longitudinal [strap] slits for [pre-strap] just appears, clear in [midsole] only, possible trace in [insole] and [treadsole]. No [straps]. [Running] stitching to hold the 3 sole [layers], around edge and down middle. Tiny, neat leather stitches appearing very small on [ventral surface of sole] showing as slits, or in a few cases as tiny stitches, on [dorsal surface of sole] (cf. [e.g.] 90.1.2/32 [Cat. No. 37[c]]). Stitches, [insole and midsole] 5.5-6 per 5 cms. [Insole] decorated with stamped impressions. The usual incised lines are absent, except for one, rather wider than usual and rather a groove than a line, around the edge. Remainder is done with 2 stamps, a [...] zigzag and a rayed star with central ring [but see above on this feature]. Former appears to have 6 points at top. Length 1.1 cms; latter has 8 rays, dia[meter] 0.5 [cms]. The [...] zigzag motif runs all around, and then in sideways rows across the central area, five bands surviving; between these, bands of stars, again five surviving, 3-5 motifs according to sole width. The sole is fairly worn and some of this is indistinct but little doubt it is so. Stitch slits sometimes cut across motifs, but cannot tell which made first.

| | |
|--------------|--|
| Cat. No. | 41[c]; |
| Id. No. | QI 90.1.2/41; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, 10.053; |
| Date | X-Group (AD 400-650); |
| Type | Single Front Strap/Pre-Strap Through Slits/Swayed Decorated Sole; |
| Materials | Leather; |
| Measurements | Length: 23.4 cms; Width: 9.0 cms; |
| Remarks | Measurements from find card; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: |

49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)

Three leather thicknesses of sole, all fairly thick (from [insole] c. 0.15, c. 0.1, c. 0.2 [cms]), [...]. Single row of stitching all around, and down the middle. Neat, arranged so as to be tiny [at dorsal surface of insole] (usually a slit, stitch virtually tunnelled; occasionally stitch shows) and ditto [for treadsole]. There was probably a single line for stitching joining all 3 thicknesses. Stitches approx[imately] 5-5.5 per 5 cms. Two transverse slits for front [strap], each c. 0.8 [cms] long, 2.5 and 4.4 [cms] from front. A split occurred between them, and this was repaired with a leather strand 0.3 [cms] wide, now itself broken. The two slits [for the pre-strap] are longitudinal, 1.5 [cms] (right) and 1.9 [cms] (left) long, 4.3 [cms] apart, 5.5 [cms] from rear. None of the 4 slits went through to the bottom sole. No [straps] survive. There are no incised lines. Decoration is by a single stamp, a double circle (dia[meter] 0.3 [cms]). A double line of these follows the contour of the edge, and a single line runs down the middle. There is no overlapping at the intersections; at rear, the 'last in line' is in its proper place in the inner ring; in the front, the line does not quite reach the inner ring. These lines of motifs are not interrupted for the area of the [pre-strap] – (in any case, this passed underneath). At 4 points, only approx[imately] equally spaced, there is a flanking motif (the same) on each side; these are fairly accurately, but not very accurately aligned with one in the centre line to make a row of 3. [...] Moderate wear. [...] The peripheral stitches are generally "outside" the lines of motifs, but occasionally clash, as they sometimes do down the middle. Only one case suggests which was first, near rear on centre line, where a stitch does show and cuts a motif. It seems not to bear traces of the stamp, so was probably added after stamping.

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|------------|---|
| Cat. No. | 42[c]; |
| Id. No. | QI 95.1.2/81; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, X-30, Disturbed fill; |
| Date | Post Meroitic 1 (AD 550-600); |
| Type | Single Front Strap(?)/Pre-Strap Through Slits/Swayed(?) Decorated Sole; |

Materials *Leather;*
 Measurements *Length (pres.): 14.5 cms;*
Max. pres. width: 6.7 cms, orig. est.
c. 7 cms;
 Remarks *Measurements from find card;*
 Bibliography *Veldmeijer (In Preparation b); cf.*
Huber (2011); Leguilloux (2006:
49-50); Montembault (2000: 93-
105); Nauwerth (1996; 2011); Veld-
meijer (2013b: 50-74);

Description (according to find card)

[...] *Central part of sandal, front end damaged. Rear end (apparently modern damage) lost. Appears to have been small, probably no more than 16-16.5 cms long. One fairly stout [layer], with surviving scraps of [treadsole] sewn to it with leather stitches: one row along each side and one longitudinally up the centre – assume the edge ones went all around. [...] no other [layer], since stitches through both are mostly intact. [Dorsal] surface [of insole] much worn from use, but stamped decoration survives, one stamp [... zigzag] (apparently 7 'crests') applies all round, perpendicular to edge. Another, rosette (probably 6 'petals') (dia[meter] 0.5 [cms]) in 3 longitudinal lines among the centre. Two longitudinal slits (1.6 [cms] long) 0.9 [cms] in from edges, took [pre-strap]. Central area between them decorated with 8 strikes of the [zigzag] stamp in line with them. This central area must have been visible, so strap past underneath it; it interrupts the rows of rosettes.*

Cat. No. *43[c];*
 Id. No. *QI 95.1.2/129;*
 Cur. Loc. *Egypt;*
 Provenance *Qasr Ibrim, X-24, Room 2, Below*
floor 2 (= X-1);
 Date *Post Meroitic 1/2 (AD 400-550);*
 Type *Single Front Strap(?)/Pre-Strap*
Through Slits/Swayed(?) Decorated
Sole;
 Materials *Leather;*
 Measurements *Length (pres.): 13 cms;*
Width (max. pres.): 6.8 cms;
 Remarks *Measurements from find card;*
 Bibliography *Veldmeijer (In Preparation b); cf.*
Huber (2011); Leguilloux (2006:
49-50); Montembault (2000: 93-
105); Nauwerth (1996; 2011); Veld-
meijer (2013b: 50-74);

Description (according to find card)

Most of a small sandal; rather distorted. Some rear end damage, front lost. Orig[inal] length prob[ably] no more than 17-18 cms., width 9-9.5 [cms]. Fairly stout [layer] (c. 0.14 [cms])[insole], below which is another rather thinner [midsole], and scrap of a thinnish 3rd [layer] underneath strap area, right side, held by what seem original stitches. Very thick 0.2 [pre-strap] 1.5 [cms] wide between [insole] and [midsole], held by same stitches which hold sole [layers] together. Leather of strap looks only partly cured. Original stitch line small, neat (with [leather] thong 0.2 [cms] wide) stitches showing on top; repair line ([leather] thong 0.4 [cms]) down right side, and over strap on left side. Short line of longitudinal stitches at (surviving) front only, look original. Incised lines decorate surface. Pair near [edge] all around, another pair further in, [illegible]imit field in which are closely spaced stamped impresses [... zigzag motif] with 3 crests, only 0.5 [cms] long. The central field is broken up by pairs of incised lines across, and in these fields lines of the same impression alternate with what seems [... diamond motif with a dot in the centre] rather than [... a circle with a dot in the centre] impressions (0.5 [cms] across). The heel end is badly worn, but the [edge] impressions continue, while the central area is too worn to interpret. [Pair with 95.1.2/128, Cat. No. 44[c], see below].

Cat. No. *44[c];*
 Id. No. *QI 95.1.2/128;*
 Cur. Loc. *Egypt;*
 Provenance *Qasr Ibrim, X-24, Room 2, Below*
floor 2 (= X-1);
 Date *Post Meroitic 1/2 (400-550 AD);*
 Type *Single Front Strap(?)/Pre-Strap*
Through Slits/Swayed(?) Decorated
Sole
 Materials *Leather;*
 Measurements *Length (unrolled): 9.5 cms;*
Width: 6.0 cms;
Thickness: 0.15 cms;
 Remarks *Measurements from find card. Al-*
though not enough is preserved to
identify the characteristic pre-strap
arrangement, it is beyond doubt
that the fragment forms a pair with
95.1.2/129 (Cat. No. 43[c]) (com-

parable decoration, size, stitching and provenance);
 Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description (according to find card)
 [...] Rounded rear end of small sandal. (not part of any other from this context but [probably] pair to 95.1.2/129 [Cat. No. 43[c]). Leading edge a tear, perhaps recent. Somewhat distorted, from re-use as door socket liner, right way up, impress (dia[meter] 2 cms) near right edge. Single [layer] medium-stout soft leather. Stitches all around [edge], single line, leather thong (0.2-0.3 [cms] wide), all broken below, [mid-sole]. Following [edge], impressions of stamp (0.7 [cms] long) with 4 crests [... zigzag motif], impressions mostly badly worn. Single incised line follows [edge], 0.3 [cms] from it. Two longitudinal paired incised lines survive near break, with an unclear motif between the pairs. [Added later:] probably [... diamond motif with a dot in the centre]. Probable strap line 1.5 [cms] wide.

Cat. No. 45[c];
 Id. No. SAIUH 354 FJ225;
 Collection Sammlung des Ägyptologischen Instituts der Universität, Heidelberg;
 Provenance Qarare/Hibeh?;
 Date Christian;
 Type Not specified;
 Materials Leather;
 Measurements Not measured;
 Remarks Time available did not allow measuring and detailed hands-on study;
 Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description
 The rounded heel of this sandal is followed by a slightly constricted waist. From here, towards the front, the width increases at both edges, but the lateral edge is much more convex than the medial edge, resulting in a swayed sole for the left foot. The sole consists of two

layers that are secured with short running stitches along the edge and two rows lengthwise down the centre (which also follow the direction of the edge). The stiches have large interstitch spaces. The dorsal surface of the insole is enhanced, rather coarsely, with impressed lines that flank the stitching. There are several additional lines in between these and transversely at the waist.

The pre-strap has three slits at the rounded end, to which the back- and heel strap are hitched. The strap complex is incomplete, but at the front, a fragment of the front strap still protrudes from the two transverse slits, one behind the other, thus being sandwiched between the two sole layers. It is secured at the front-most slit with a half knot.

Cat. No. 46[c];
 Id. No. SAIUH 355 FJ [1];
 Collection Sammlung des Ägyptologischen Instituts der Universität, Heidelberg;
 Provenance Qarare/Hibeh?;
 Date Christian;
 Type Not specified;
 Materials Leather;
 Measurements Not measured;
 Remarks The number between square brackets are given by the present authors. Time available did not allow measuring and detailed hands-on study;
 Bibliography Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);

Description
 The rounded heel of this sandal is followed by a slightly constricted waist. From here, towards the front but especially at the front three quarters of the length of the sole, the width increases at both edges. The lateral edge is much more convex than the medial edge, resulting in a swayed sole for the left foot. The sole consists of two layers that are secured with short running stitches along the edge and by means of three rows lengthwise down the centre (that also more or less follow the direction of the edge). The stiches have large interstitch spaces. The dorsal surface of the insole is enhanced, but difficult to identify due to the

condition of the sandal. It is certain that the outer row of stitching, which follows the edge, is flanked by impressed lines, and a short piece of the line next to it shows this as well. Probably all rows are thus flanked.

The pre-strap has three slits at the rounded end, to which the back- and heel strap are hitched. The strap complex is incomplete, but at the front, a fragment of the front strap still sticks out the two transverse slits, one behind the other, thus being sandwiched between the two sole layers.

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|--------------|---|
| Cat. No. | 47[c]; |
| Id. No. | SAIUH 355 FJ? [2]; |
| Collection | Sammlung des Ägyptologischen Instituts der Universität, Heidelberg; |
| Provenance | Qarare/Hibeh?; |
| Date | Christian; |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | Not measured; |
| Remarks | The number between square brackets are given by the present authors. Time available did not allow measuring and detailed hands-on study; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74); |

Description

The rounded heel of this sandal is followed by a slightly constricted waist. From here, towards the front, the width increases at both edges. The lateral edge is much more convex than the medial edge and runs in a smoother curve towards the big toe, resulting in a swayed sole for the left foot. The sole consists of two layers that are secured with short running stitches along the edge and with one row lengthwise down the centre. The stiches have large interstitch spaces. A third, partial sole layer was added under the original treadsole as a repair, which is secured along the edge with big leather thong running stitches. The dorsal surface of the insole is enhanced, but it is difficult to identify due to the condition of the sandal. It is, however, clear that the rows of stitches are flanked by impressed (at some spots it looks more like incised) lines, but there seems to be some lines in between these too.

The pre-strap has three slits at the rounded end, to which the back- and heel strap are hitched. The strap complex is largely complete. The back straps come from either side together just in front of the pre-strap and held together with a spacer. From here, it runs towards the front and inserts in two transverse slits, one behind the other, thus being sandwiched between the two sole layers. These broke off after the first slit (seen from the back).

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|--------------|---|
| Cat. No. | 48[c]; |
| Id. No. | SAIUH 358 FJ[1]; |
| Collection | Sammlung des Ägyptologischen Instituts der Universität, Heidelberg; |
| Provenance | Qarare/Hibeh?; |
| Date | Christian; |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | Not measured; |
| Remarks | The number between square brackets are given by the present authors. Time available did not allow measuring and detailed hands-on study; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74); |

Description

The rounded heel of this sandal is followed by a slightly constricted waist. From here, towards the front, the width increases at both edges. The convexity of the lateral edge is smoother; it makes a long curve towards the big toe area. The medial edge is less convex but curves at the front more abrupt to the big toe area. The result is a swayed sandal for the right foot. The sole consists of two layers that are secured with short running stitches along the edge and with two additional rows at either side but inwards from the edge rows. The stiches have large interstitch spaces. The dorsal surface of the insole is enhanced: the rows of stitches are flanked by impressed lines, but there is at least one isolated line in between these rows. At the waist, shortly before the pre-strap, two transverse lines separate the front part from the waist and heel. It is followed by a band with criss-cross pattern, which most likely indicates the waist area and termi-

nate before the heel. However, the poor condition of the sandal prohibits certainty.

The pre-strap has three slits at the rounded end, to which the back- and heel strap are hitched (only remnants are still visible). At the front two transverse slits are visible, one behind the other, with a piece of the front strap still in situ, showing that it was sandwiched between the two sole layers. At the front slit, the piece of front strap is tied into a reef knot (double half knot; see Veldmeijer, 2006).

| | |
|--------------|---|
| Cat. No. | 49[c]; |
| Id. No. | SAIUH1165 FJ1228; |
| Collection | Sammlung des Ägyptologischen Instituts der Universität, Heidelberg; |
| Provenance | Qarare/Hibeh?; |
| Date | Christian; |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | Not measured; |
| Remarks | The number between square brackets are given by the present authors. Time available did not allow measuring and detailed hands-on study; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74); |

Description

The rounded heel of the sandals of this pair is followed by a constricted waist. From here, towards the front, the width increases at both edges. The convexity of the lateral edge is smoother; it makes a long curve towards the big toe area. The medial edge has a peculiar twist outwards halfway the length of the sole and at the front it curves more abruptly to the big toe area. The result is a swayed sandal. The sole consists of two layers that are secured with short running stitches along the edge and with two additional rows lengthwise down the centre. The stitches have large interstitch spaces. In contrast to the previous described, comparable sandals, the dorsal surface of the insole is not enhanced.

The pre-strap consists of two layers; it has three slits at the rounded end to which the back- and heel strap are hitched (only remnants are still visible).

The back straps come from either side and join just in front of the pre-strap; they are held together with a spacer. From here, they run towards the front and inserts in two transverse slits, one behind the other, thus being sandwiched between the two sole layers.

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|--------------|---|
| Cat. No. | 50[c]; |
| Id. No. | SAIUH1168 FJ374; |
| Collection | Sammlung des Ägyptologischen Instituts der Universität, Heidelberg; |
| Provenance | Qarare/Hibeh?; |
| Date | Christian; |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | Not measured; |
| Remarks | The number between square brackets are given by the present authors. Time available did not allow measuring and detailed hands-on study; |
| Bibliography | Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74); |

Description

The rounded heel of the sandals of this pair is followed by a constricted waist. The width increases at either side towards the front: first rather smoothly but more distinctly at the first third of the length of the sole. The lateral edge increases in width markedly; the medial edge far less. The former makes a long curve towards the big toe area; the medial edge curves more abruptly to the big toe area. The result is a swayed sandal. The sole consists of two layers that are secured with short leather thong running stitches along the edge and with three additional rows lengthwise down the centre. The stitches have large interstitch spaces. The dorsal surface of the insole is enhanced by impressed lines flanking the row of stitches.

The pre-strap, incomplete in both, consists of two layers; it has three slits at the triangular end to which the back- and heel strap are hitched (only remnants are still visible). Note the position of the pre-strap, which is far back towards the heel. Remnants of the front strap are still visible in the two transverse slits, one behind the other, showing that it is sandwiched between the two sole layers.

Cat. No. 51[c];
 Id. No. SAIUH1175 FJ732;
 Collection *Sammlung des Ägyptologischen Instituts der Universität, Heidelberg;*
 Provenance *Qarare/Hibeh?;*
 Date *Christian;*
 Type *Not specified;*
 Materials *Leather;*
 Measurements *Not measured;*
 Remarks *The number between square brackets are given by the present authors. Time available did not allow measuring and detailed hands-on study;*
 Bibliography *Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);*

Description

The rounded heel of this sandal is followed by a slightly constricted waist. From here, towards the front, the width increases at both edges, but the front part of the lateral edge is much more convex than the medial edge and runs in a sweeping curve towards the big toe area. The medial edge shows only a minor increase in width at the front third of the length of the sole, resulting in a swayed sole for the right foot. The sole consists of two layers that are secured with short, leather thong running stitches along the edge as well as with three rows lengthwise down the centre. The stitches have large interstitch spaces. The dorsal surface of the insole is enhanced, rather coarsely, with circular motifs, but it is not clear what they are exactly due to the condition of the sandal.

The pre-strap has three slits at the triangular end, to which the back (- and heel?) strap are hitched. The strap complex is incomplete, but at the front, a fragment of the original front strap is still present in the second transverse slit (seen from the front). A repair made of vegetable fibre still sticks out the frontmost transverse slit. Apparently related to the sandal is a tapering piece of leather, the wider end of which shows an openwork design of triangles.

Cat. No. 52[c];
 Id. No. SAIUH1177 FJ884;

Collection *Sammlung des Ägyptologischen Instituts der Universität, Heidelberg;*
 Provenance *Qarare/Hibeh?;*
 Date *Christian;*
 Type *Not specified;*
 Materials *Leather;*
 Measurements *Not measured;*
 Remarks *The number between square brackets are given by the present authors. Time available did not allow measuring and detailed hands-on study;*
 Bibliography *Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);*

Description

Pair of children's sandals in rather bad condition: the sandals are stuck together and show a high degree of decay. The squarish-rounded heel of this sandal is followed by a slightly constricted waist. From here, towards the front, the width increases at both edges, but the lateral front part of the lateral edge is much more convex than the medial edge and runs in a markedly curved angle towards the big toe area. The medial edge shows only a minor increase in width and almost no curvature, resulting in a swayed sole for the right foot. The sole consists of two layers that are secured with short, leather thong running stitches along the edge and possibly with one row lengthwise down the centre. The stitches have large interstitch spaces. The insole's dorsal surface not decorated.

The pre-strap has three slits at the triangular end, to which the back (- and heel?) straps are hitched (only small remnants remain). Although visibility is obscured, the strap seems to go through the slits in both sole layers, rather than only one and being sandwiched between them. A small fragment of the original front strap is still present in the second transverse slit (seen from the front) of the left sandal and in both slits in the right sandal.

Cat. No. 53[c];
 Id. No. QI 84.1.9/71;
 Cur. Loc. *Divided to Cairo;*
 Provenance *Qasr Ibrim, House 196, Room 2, Level +;*

| | |
|--------------|--|
| Date | <i>Classic Christian 2 or later (> AD 1000);</i> |
| Type | <i>Single Front Strap/Pre-Strap Through Slits/Notched Sole;</i> |
| Materials | <i>Leather;</i> |
| Measurements | <i>Length: 25.4 cms; Max width: 10.5 cms;</i> |
| Remarks | <i>Measurements from find card;</i> |
| Bibliography | <i>Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);</i> |

Description (according to find card)

Left sandal, complete except minor damage and [straps]. 3 [layers] of soft leather, [dorsal surface of insole] red. Big toe demarcated by cut in front end. Three longitudinal rows of leather stitches plus ditto all around [edge]. These show very small [at dorsal surface of the insole and the ventral surface of the treadsole]. 'Tooling' is rather rough. Cut lines in [dorsal surface of the insole], all around, respectively c. 0.5 cms (outer pair) and c. 0.3 cms (inner part) apart. The [edge] stitches all lie within the outer pair. The lines follow the toe contour. Two pairs of transverse cut lines c. 4.8 and c. 7.0 cms from rear demarcate [pre-strap] passage beneath. In these field two pairs of stamped triple circles [...]. Three other pairs visible, 0.9 cms behind rear transverse line and resp. 2.2 and 13.5 cms forward of the front transverse line. These are all worn, and another pair at c. 6.5 cms forward, largely obliterated, is possible. Two transverse slits at base of toe-nick to take front [strap]. 2 stitch-marks, right through, [...] show it was sewn to sole. At rear, demarcated zone has longitudinal slits at each end, length (2.0 cms) corresponding to zone width. Again, stitch holes (2 pairs) show [pre-straps] were stitched in [...] One stitch at front and one at rear end of right slit are 'stoppers' to prevent further splitting. [Pre-strap] probably passed between [insole] and [midsole] – slight nicks in latter suggest cuts made after [layers] were sewn.

| | |
|------------|--|
| Cat. No. | <i>54[c];</i> |
| Id. No. | <i>SAIUH31912 Inv. Nr. 3;</i> |
| Collection | <i>Sammlung des Ägyptologischen Instituts der Universität, Heidelberg;</i> |
| Provenance | <i>Qarare?;</i> |

| | |
|--------------|--|
| Date | <i>Christian;</i> |
| Type | <i>Not specified;</i> |
| Materials | <i>Leather;</i> |
| Measurements | <i>Not measured;</i> |
| Remarks | <i>Time available did not allow measuring and detailed hands-on study. The label states that the pair has been obtained in 1912 in Karara;</i> |
| Bibliography | <i>Veldmeijer (In Preparation b); cf. Huber (2011); Leguilloux (2006: 49-50); Montembault (2000: 93-105); Nauerth (1996; 2011); Veldmeijer (2013b: 50-74);</i> |

Description

The rounded heel is followed by a mildly constricted waist. From here, towards the front, the width increases at both edges. The lateral edge runs towards the front in a smooth but distinct curve, starting at the waist with a peculiar twist. The medial edge, although it expands slightly, runs almost straight towards the big toe area. Note that the medial edge in the left sandal is slightly more convex. The result is a swayed sandal. The front is notched, separating the big toe from the rest of the toes. The sole consists of two layers that are secured with short leather thong running stitches along the edge and with one additional row lengthwise down the centre. The stitches have large interstitch spaces. The dorsal surface of the insole is enhanced with impressed lines lengthwise and, possibly, a series of diagonal lines at the heel.

The strap complex is complete. The pre-strap has three slits at the triangular end, to which the back-and heel strap, consisting of a lengthwise-folded strip of leather, are hitched. The back straps come from either side together just in front of the pre-strap and are held together by the slit-pull technique. The loop that is formed runs towards the front and is attached to the front strap proper. It inserts in two transverse slits, one behind the other, and is thus sandwiched between the two sole layers. It is tied into a half knot at the frontmost slit (seen from the front).

Discussion

Sandals with pre-straps are most common in the archaeological record from Roman times onwards. They continued into the Ottoman period as is attested by the finds of that period at Qasr Ibrim.

However, individual straps that insert in slits in the sole is a post-Roman development: Romans let the pre-strap emerge from the sides of the sandal (Veldmeijer, 2011d: 39).

Veldmeijer (In Press b) notes that “There is a large variety in shape, layout of especially the front strap, as well as decoration (cf. Veldmeijer, 2013b: 47-64). A full typology has not yet been established by the AEF; only a classification of comparable sandals but from Ottoman layers from Qasr Ibrim has been done thus far (Veldmeijer, 2013b) but these exclude elaborately decorated sandals as included in the present work. However, a more exhaustive typology and discussion will be presented elsewhere (Veldmeijer, In Preparation b).”

Note on Classification

The three sandals CM 3302 (Cat. No. 19), 3299 (Cat. No. 21) and 11393 (Cat. No. 20) all fall within Montembault's (2000: 62-64) Classe I, Type B, Variant 2. As Veldmeijer (2011d: 39) explains: “Sandals I, B, 2 are characterised by the strap complex, and in particular by the construction of the back strap. A pre-strap, which basically is a narrow strip of leather, is pulled through slits in the insole on either side of the sandal [...]; between the two slits, the pre-strap is thus sandwiched between the insole and the midsole (if there are more than two sole layers) or treadsole (if there are only two sole layers).” Montembault, however, does not really make distinction between the shape of the sole and the presence/absence of decoration. This results in a huge number of sandals for this category, which can be dated to a wide variety of periods, running at least from Roman (2nd century AD; Leguilloux, 2006) up to Ottoman (Veldmeijer, 2013b). However, as can be noted from the three examples in the Coptic Museum, there is quite a large variety of shapes and decoration of the sole, despite Montembault's (*Ibidem*: 62) remark that “*La forme des semelles, bout arrondi et léger creusement dans la zone de la cambrure, est dans l'ensemble homogène*”. Some soles are quite distinctly constricted at the waist, such as CM 11393 (Cat. No. 20), whereas others are almost equal in width throughout the length. Soles can be clearly swayed but also near-straight. Furthermore, they can consist of a variety of number of sole lay-

ers. The construction of the front strap might differ too, and this trait has also not been taken into account by Montembault. Unfortunately, two of the sandals presented here are not complete and the front strap construction is, therefore, unknown. It is beyond the focus of the present work to propose a different classification or adjust Montembault's, overall very useful classification. Two remarks are worth noting here:

- QI 84.1.9/71 (Cat. No. 53[c]) is notched at the front. Veldmeijer (2013b) has developed a classification on the basis of the Ottoman footwear that was recovered at Qasr Ibrim. The category ‘Independent Pre-Strap, Single-Layer Sole’ contains Type ‘One Set of Transverse Front Slits; Isolated Toe’. QI 84.1.9/71 (Cat. No. 53[c]) fits this definition well, except for the fact that it consists of three sole layers. Thus, this Type can now be inserted in the Category ‘Independent Pre-Strap, Multi-Layer Sole’ as type ‘Isolated Toe’. Note that, since the classification of the large group of sandals with independent pre-straps was based on Ottoman material only, it is far from complete and a revision is inevitable after more material from earlier periods are adequately studied and published.

- A new type (Swayed Decorated Sole) can be proposed on the basis of SAIU 354 FJ225 (Cat. No. 45[c]) within the group Independent Pre-Strap, Multi-Layer Sole, Single Front Strap, Pre-Strap Through Slits.

Montembault's Classe I, Type C, Variant Indéterminé

| | |
|---------------------|---|
| <i>Cat. No.</i> | 55; |
| <i>Inv. No.</i> | CM 3300; |
| <i>Provenance</i> | ? |
| <i>Date</i> | Christian; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 150; Width back: 41; Width front: 66; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Bibliography</i> | Montembault (2000: 107); |
| <i>Description</i> | Thin, very well made isolated sandal sole, which lack the heel part. The waist is slender; the width increases at both sides towards the front. However, the lat- |

eral edge is distinctly convex, while the medial edge ends in the big toe area in a slight concave curve. The result is a swayed sole for a right foot. At the front, the lateral edge shows the remnants of a small lateral protrusion, the tip of which has broken off. The ventral surface shows stitch holes in pairs, indicating fairly long stitches. The interstitch space is slightly larger. Since the slits are not visible at the dorsal surface, they indicate that the sole was secured to the sole layer underneath by means of tunnel stitches.

Following the edge are added three lines to enhance the sole. The lines are created by scraping away the uppermost surface of the leather. A stamped motif is added in the middle, at the widest part of the sole, consisting of teardrop-like motifs in a circle around a centre, around which are added dots between two lines. The remaining two slits are the only indication of straps; the leather in between them is torn.

Discussion

The incomplete state of the sole in the Coptic Museum prohibits certainty of the identification of the type of sandal. However, it is tempting to compare it with the complete sole published by Montembault (2000: 107), which originate from Antinoë. Several examples have been reported from Mons Claudianus (Winterbottom, 2001: 320). Interestingly, Winterbottom notice that “this feature [...] not at first sight very obviously connected with the representation of a foot, does however appear to have its own tradition. A single kink or notch in the position of the little toe occurs on a mid- to late second century sandal [...]. Soles like these have also been found in North-European context where they (and sandals in general) are associated with young men, women or children (Knötzele, 2008: 62; Van Driel-Murray, 2000: 356, Winterbottom, 2001: 320).”

Undetermined

| | |
|-------------------|---------------|
| <i>Cat. No.</i> | 56; |
| <i>Inv. No.</i> | CM 3306; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian; |
| <i>Type</i> | Undetermined; |
| <i>Materials</i> | Leather; |

| | |
|---------------------|---|
| <i>Measurements</i> | Length: 95; Width: 85; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Bibliography</i> | Cf. Veldmeijer (2013b: 74-144); |
| <i>Description</i> | Isolated vamp's leather. There is an oval protrusion pointing inwards the instep. The dorsal surface show striation of which the three parallel lines along the instep edge are manmade. It is unclear whether the rest of the striations, which are more at random and less clearly defined, are manmade too, but possibly these are due to use and/or preservation circumstances. |

| | |
|---------------------|---|
| <i>Cat. No.</i> | 57; |
| <i>Inv. No.</i> | CM 11950/1; |
| <i>Add. No.</i> | QI 80.3.13/84; R1014; |
| <i>Provenance</i> | Qasr Ibrim; B1-7, Room 1, Below floor 3; |
| <i>Date</i> | Ottoman (1570-1811 AD); |
| <i>Type</i> | Undetermined; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length 25.0 cm; Width: 10.6 cm; |
| <i>Remarks</i> | Measurements from find card; |
| <i>Bibliography</i> | -; |
| <i>Description</i> | Simple, quickly fabricated sandal of a fairly thick piece of leather that is approximately shaped to function as a sole. It lacks part of the medial heel. The front strap is a zS ₂ string of palm fibre that is pulled through a hole and knotted at the ventral surface with an overhand stopper knot. The back strap also consists of a zS ₂ palm fibre string that is inserted in holes set shortly inside the edge and, as with the front strap, secured with an overhand stopper knot. The medial attachment is situated closer to the heel than the medial one. |

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|---------------------|--|
| <i>Cat. No.</i> | 58; |
| <i>Inv. No.</i> | CM 3309; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | ?; |
| <i>Type</i> | Undetermined; |
| <i>Materials</i> | Leather |
| <i>Measurements</i> | Length: 145; Width back: 70; Width front: 110; |

Remarks Measurements are approximate;
Bibliography -;
Description
 Front half of a single(?) sole sandal. It widens towards the front; the lateral edge is more convex than the medial edge, suggesting it is a swayed sandal for the right foot. A single stitch is visible at the lateral edge, but this can hardly be taken as an indication for a second sole layer. Remnants of the front strap are still *in situ* in two holes that are positioned one before the other.

Cat. No. 59;
Inv. No. CM 11950/2;
Add. No. QI 80.2.11/85;
Provenance Qasr Ibrim, B1-8, Level 31;
Date Ottoman (AD 1570-1811);
Type Undetermined;
Materials Leather;
Measurements Length: 26.5 cm;
 Width: 6.6 cm.
Remarks Measurements from find card;
Bibliography Veldmeijer (2013b: 73, 225);

Description
 Sole layer of a sandal, suggested by the remnants of leather thong running stitches along the edge as well as one row lengthwise down the centre. The stitch holes are in pairs, suggesting that the length of

the stitches were shorter than the interstitch space. Note the stitches in 'X' at the front, before the slits to accommodate the pre-strap. In the longitudinal plane, the sole is symmetrical (straight shape). Remarkably, the heel is distinctly pointed; even more so than the front. The waist is slightly constricted; the front part, before ending in the pointed toe and after the waist, is slightly wider than the equivalent at the back half of the sandal. Nothing remains of the straps, but there are large slits for the pre-straps; these are inserted in the leather relatively far towards the front.

Discussion

Narrow, elongated sandal soles that are nearly symmetrical in the transverse plane like CM 11950/2 (Cat. No. 59) are known only from Qasr Ibrim and even from this site are extremely rare: the only one that is comparable is cam-0659 (Veldmeijer, 2013b: 225). They are most comparable to the Independent Pre-Strap, Extreme Multi-Layer Sole (*Ibidem*: 64, 67-69), although these are not symmetrical transversely and not as elongated. Although occasionally sandals with slits for the reception of the pre-strap halfway the length of the sole are found, as seen in the sole in the present work, this is rare and often due to repair or re-use.

LEATHER FOOTWEAR

MULES

Cat. No. 60;
Inv. No. CM 2171;
Add. No. 30(?);
Provenance ?;
Date Christian;
Type Montembault's *Classe III, Type B, Variant 2*;
Materials Leather
Measurements Length: 180.0;
 Width heel: 48.6;
 Width waist: 55.9;
 Width front: 61.0;
 Thickness sole: 5.2;
 Thickness upper: 1.3;
Remarks Conservation interventions are clearly visible, and since there is no report available, this mule is not included in the comparison and discussion. A sticker with '30' (?) is visible at the ventral surface of the sole;
Bibliography Montembault (2000: 132-140); Veldmeijer (In Press a; In Press b; In Preparation a); cf. Smalley (2012);

Description

The mule is stained red. It is possible that this was done as part of an early intervention by conservators for exhibition purposes.

The sole has a rounded heel and slightly constricted waist. From here, towards the front, the width increases equally at either side, terminating in a tapering front. The result is a straight shape. There are two(?) sole layers and a separate inlay added to the insole proper, which is sewn with interlocking running stitching of flax along the edge. Both the insole as the separate inlay are enhanced by scraping away the uppermost layer of the leather and

leaving the motifs, which includes diamonds. The upper is attached to the sole by means of a rand. At the instep, the centre edge of the upper protrudes. The edge is decorated with impressed line motifs.

Cat. No. 61;
Inv. No. CM 2157;
Add. No. N 30;
Provenance ?;
Date Christian;
Type Montembault's *Classe III, Type C*;
Materials Leather;
Measurements Length: 215.0;
 Width maximum: 113.2;
 Length vamp: 142.2;
 Width edge strip: 11.5;
 Diameter circular extension: 27.4 x 27.8;
Remarks -;
Bibliography Montembault (2000: 140-144); cf. Smalley (2012); Veldmeijer (In Press a; In Press b; In Preparation a);

Description

Incomplete mule, but with complete upper. The sole lacks the heel part; it consists of two layers, sandwiching a layer of papyrus.

The upper is made of two thin layers of leather and is secured to the sole by means of a lengthwise folded passepoil. The instep edge has a binding that consists of a strip of leather that is, probably, folded over the edge. It is secured with looped stitching. The circular extension is separate and inserted in a slit in this edge binding and is, as can reasonably be assumed, included in the stitching. This extension also consists of two layers: a diamond-shaped area in the centre of the dorsal layer has been cut out; the inner side has gold foil decoration. The dorsal layer of the upper is cut out

floral design, the remaining narrow leather motif is secured by looped stitching. The visible layer underneath is embellished with gold foil.

| | |
|---------------------|---|
| <i>Cat. No.</i> | 62; |
| <i>Inv. No.</i> | CM 2158; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian; |
| <i>Type</i> | Undetermined; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 165.0; Width maximum: 90.5; Length vamp: 84.2; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Cf. Montembault (2000: 117-144); Smalley (2012); Veldmeijer (In Press a, In Press b; In Preparation a); |

Description

Front part with only remnants of the sole preserved. The treadsole consists of relatively thick leather, whereas the insole is made of much thinner, much more flexible leather. Remnants of papyrus suggest a midsole or rather stuffing.

The red leather of the upper (single layer) is decorated with appliqué leather motifs that are covered in gold foil. One row along the front instep edge consists of a series of engaged dots. Above it is another that curves upward in the direction of the toes. These two series are secured with single stitches at the end of the motifs. In front of this is a single, large appliqué of gold foil, best described as spade-shaped, like the shape found on a playing card. Several single stitches secures it to the upper. It has a more complete, but exact parallel in the Medelhavsmuseet Stockholm (Veldmeijer, In Press b). The decoration equals EA 20942 (Cat. No. 65[c]).

Comparative Material

| | |
|-------------------|-----------------------------------|
| <i>Cat. No.</i> | 63[c]; |
| <i>Id. No.</i> | QI 80.3.4/117; |
| <i>Cur. Loc.</i> | Egypt; |
| <i>Provenance</i> | B40, Room 327, Lower soft fill; |
| <i>Date</i> | Ottoman (AD 1570-1811); |
| <i>Type</i> | Montembault's Classe III, Type C; |
| <i>Materials</i> | Leather; |

| | |
|---------------------|--|
| <i>Measurements</i> | Length: 23.8 cms; Width: 12 cms (sole 8.7 cms); |
| <i>Remarks</i> | Measurements from find card. According to the find card, the mule was moved to the Coptic Museum (No. 11952) but has not been found; |
| <i>Bibliography</i> | Montembault (2000: 140-143); cf. Smalley (2012); Veldmeijer (In Press a; In Press b; In Preparation a); |

Description (according to find card)

Almost complete [mule] – practically symmetrical as to right and left sides – perhaps right foot. Stout [treadsole.] In a [tear-like] pattern, stitches of s-ply flax and smaller stitches along edges, both in rear half. These attach a thin leather [insole]. The space between is packed with papyrus, apparently unwritten, of many thicknesses, up to c 0.5 cms in all [...]; revealed by damage to leather.

Stout [...] upper (probably single thickness?) with short [extension], sewn to front part of the sole – stitches not visible. Papyrus packing assumed to continue forward and be likewise attached. [Edge binding] around trailing edge of [...] upper, thin and sewn on top of upper, unlike [Ottoman] practise. Stitches are dainty, of s-ply flax. Second brown leather decorative strip, about half width, likewise sewn on top of it, central area survives, uncertain if it went full width – one set of stitches fulfils both functions. Where [edge binding] lost, upper leather revealed to be originally red. Upper decorated with transverse light incisions, also 2 following [edge binding] line. [Squarish, small extension] with lozenge-shaped cut-out attached by same line of stitching to centre of [upper. It is inserted through a slit in the edge binding. Note the vertical stitches that further secures the extension]. At rear end, four holes (2 pairs) in line, outer ones holding 2 leather strands, inner perhaps ditto. Left outer survives, 2 strands, decorative knot, with 2 more of which one broken, the other goes in all 17 cms, width 0.7 to 0.5 cms, then widens to serrated end presumed original [the sketch shows a mesh knot, cf. Veldmeijer, 2006].

| | |
|-------------------|---|
| <i>Cat. No.</i> | 64[c]; |
| <i>Inv. No.</i> | 5513; |
| <i>Collection</i> | Roemer- und Pelizaeus-Museum, Hildesheim; |

| | | | |
|--------------|---|--------------|--|
| Provenance | ? | Remarks | Pair with EA 20943; |
| Date | Christian; | Bibliography | Cf. Montembault (2000: 117-144); Smalley (2012); Veldmeijer (In Press a, In Press b; In Preparation a); |
| Type | Montembault's Classe III, Type A; | Description | The mules have a rounded heel with a strongly constricted waist after which, towards the front, the width increases again distinctly. There seems a slightly more strongly curved later edge, but it so slight that the shape is difficult to identify as 'swayed'. The toe is pointed. |
| Materials | Leather; | | The sole layers are secured with one row of flax(?) running stitches along the edge; the stitches are shortly-spaced. Note that the row of stitches terminate before the instep edge (seen from the back). This means that the upper is secured to the sole in another way, but the type of stitching could not be determined. The sole layers seem to sandwich a fill, but the mules are too complete to observe what kind of stuffing. The wings of the upper are sandwiched between the edges of the two sole layers, starting at the front of the heel and providing for a widening of the waist area. |
| Measurements | Length total: 238.0; Width heel: 52.2; Width waist (insole): 24.0; Width front (over upper): 74.3; Thickness sole: 13.0; | | The edge of the upper has a separate edge binding, consisting of a lengthwise folded strip of leather, which is secured with flax(?) whip stitches. Two rows of gilded leather decoration adorns the front, just below the instep edge, which are secured with tiny stitches of flax (width of these two rows is appr. 19 mm); below these rows is a triangular, spade-shaped, gilded leather decoration (length: 26 mm; max. width: 20 mm). It is secured with tiny stitches too. The decoration equals that of CM 2158 (Cat. No. 62). |
| Remarks | -; | Cat. No. | 66[c]; |
| Bibliography | Montembault (2000: 140-143); cf. Smalley (2012); Veldmeijer (In Press a; In Press b; In Preparation a); | Inv. No. | 1914,0902.3; |
| Description | | Collection | British Museum, London; |
| | <i>Rounded heel, and highly constricted waist. Towards the front the width increases equally at both sides, terminating in a blunt, broad front.</i> | Provenance | Antinoopolis; |
| | <i>The winged upper inserts between to sole layers at the side of the heel, increasing the width of the narrow waist, and covers the toes. The edge of the upper is folded as a simple edge binding. The upper is secured to the sole by means of a rand, but the type of stitching could not be determined. The insole is decorated with two impressed lines that follow the edge, shortly inwards of the stitching that secures the sole layers and includes a separate strip that is folded over the insole's edge and, since it is not visible at the ventral surface of the treadsole, must have been sandwiched between the insole and treadsole. This stitching terminates shortly after the front instep edge of the vamp proper. There are several sole layers, but most likely two with an intermediate filling of vegetable material. The vamp is decorated with gilded leather sewn onto the upper by means of sZ₂ string (flax?).</i> | Date | Christian; |
| | | Type | Undetermined; |
| | | Materials | Leather; |
| | | Measurements | Length sole: 260.0; Width heel: 78.9; Width waist: 46.2; Width front: 93.6; Length front part: 125.0; Length heel patch: 122.0 Width heel patch (from front to back): 3.4 - 24.7 - 70.6; |
| Cat. No. | 65[c]; | | |
| Inv. No. | EA 20942; | | |
| Collection | British Museum, London; | | |
| Provenance | Akhmim; | | |
| Date | Christian; | | |
| Type | Not specified; see Veldmeijer (In Preparation a); | | |
| Materials | Leather; | | |
| Measurements | Length: 250.0; Width heel: 52.5; Width front: 80.0; Width waist: 29.3. Thickness sole: 9.8; | | |

Remarks Not illustrated;
Bibliography Cf. Montembault (2000: 117-144); Smalley (2012: esp. 128); Veldmeijer (In Press a, In Press b; In Preparation a);

Description

The sole consists of two layers with an additional reinforcement at the heel. The insole consists of two halves, which are secured lengthwise down the centre with flax(?) whip stitches. It is secured to the treadsole slightly away from the edge by means of tunnel stitching. The additional patch at the heel consists of three layers, of which the edge of the ventral one is the edging of the subsequent layers. To enhance the aesthetic effect, the edging is stained red. It is secured with interlocking running stitching including the sole layers.

The upper consists of one layer and is inserted between the insole and treadsole. It starts at the back sides of the heel. The edge binding is a thick red strip that is secured to the edge by means of whip stitching. At various spots, the thread runs through the upper's leather although without a doubt the original construction was through the thickness because this way, the stitching would not have been visible. The edge binding forms the decorative element at the instep too.

Cat. No. 67[c];
Inv. No. 1888.1131;
Collection Ashmolean Museum, Oxford;
Provenance ?;
Date Christian;
Type Montembault's Classe III, Type A;
Materials Leather;
Measurements Length: 19.7;
Width (max.): 90.0;
Remarks -;
Bibliography Montembault (2000: 118-126); cf. Smalley (2012: esp. 128); Veldmeijer (In Press a, In Press b; In Preparation a);

Description

A mule with a rounded heel and highly constricted waist. Towards the front the width increases equally at both sides, terminating in a blunt, broad front. The sole layers are secured with running stitches of flax(?) (with very short interstitch spaces) that includes a

strip which, like the previous described mules, is folded around the insole and sandwiched between it and the treadsole. There does not seem to be a filling between the two sole layers. This strip and the stitching drops short before the instep edge.

The winged upper inserts between the sole layers at the side of the heel, increasing the width of the narrow waist, and covers the toes. The edge of the wings is folded (note the fold is fairly wide) as a simple edge binding; it is not secured. The upper is secured to the sole by means of a rand and with running flax(?) stitching. About halfway, transversely, a row of flax(?) running stitches is visible which marks the end of the transverse impressed line decoration and the start of a band of gold foil decoration, consisting of triangles and diamonds that are separated with rows of small squares. Possibly, the vamp consists of two parts, which is secured with the row of stitches.

Cat. No. 68[c];
Inv. No. 1973.2.121;
Collection National Museums, Liverpool; World Museum;
Provenance ?;
Date Christian;
Type Montembault's Classe III, Type B, Variant 2;
Materials Leather;
Measurements Measurements of the left one.
Length: 238.0;
Width heel: 75;
Width waist: 72.8;
Width front: 72.7.
Thickness sole (at heel): 8.4;
Remarks -;
Bibliography Montembault (2000: 132-137); Smalley (2012); Veldmeijer (In Press a, In Press b; In Preparation a);

Description

A pair of mules with rounded heel and slightly constricted waist. From here, towards the front, the width of the sole increases equally at both sides, resulting in a straight sole. The heel is reinforced with a tear-shaped patch, which is secured with a row of flax(?) stitches along its edges, going through all sole layers. Thus, it is visible at the ventral surface of the sole. The dorsal surface of this patch shows remains of

decoration, but is largely worn off due to its use. The sole itself probably consists of one sole layer.

The upper has long wings, running all the way to the back of the heel. The front part is secured to the sole with a rand, consisting of a lengthwise folded strip of leather. The upper and sole are secured with interlocking running stitching (probably flax). The upper has a triangular extension pointing into the instep. The edge is enhanced with a band of V-motifs, squares and lines by scraping away the top surface. The remainder of the upper's leather has transverse impressed lines with, approximately halfway, a band of short vertical impressed lines.

| | |
|--------------|--|
| Cat. No. | 69[c]; |
| Inv. No. | 1973.2.125; |
| Collection | National Museums, Liverpool: World Museum; |
| Provenance | ?; |
| Date | Christian; |
| Type | Montembault's Classe III, Type B, Variant 2; |
| Materials | Leather; |
| Measurements | Length: 240.0; Width heel: 60.7; Width front: 75.5; Thickness sole (at heel): 5.7; |
| Remarks | -; |
| Bibliography | Montembault (2000: 132-137); Smalley (2012); Veldmeijer (In Press a, In Press b; In Preparation a); |

Description

As 1973.2.121 (Cat. No. 68[c]). However, the vamp is enhanced with an impressed checkerboard design. The heel patch is not tear-shaped as in the pair from the Liverpool Museum (1973.2.121, Cat. No. 68[c]), but tapers with concave sides towards the triangular point. This patch is not secured separately, but included in the sole/upper construction.

Discussion

Mules are a good example of a type of footwear that developed after the Pharaonic period (see Veldmeijer (2013c) for the only known example from Pharaonic times, discovered in Deir el-Medinah): they are especially common in the Christian era. Char-

acteristic of much of the footwear from this period is the elaborate decoration, comparable to the shoes. Gold foil is often used, attached either directly onto the upper (e.g. 1888.1131, Cat. No. 67) or attached to leather and subsequently attached to the upper (e.g. EA 20942, Cat. No. 65), impressed motifs, such as lines crossing transversely over the vamp (e.g. QI 80.3.4/117, Cat. No. 63), or sometimes combined with other, simple motifs (e.g. 1973.2.121, Cat. No. 68 and 1973.2.125, Cat. No. 69). Small upper extensions are noted, which are usually individual pieces (small in all cases) that are attached to the pointed centre of the anterior instep edge.

Two distinct shapes of mules can be noted: those with a blunt front, such as 1888.1131 (Cat. No. 67[c]), and those with a pointed toe, such as EA 20942 (Cat. No. 65[c]). Wings are seen in both, but seemingly large, far backwards running wings occur only with the blunt fronted ones (cf. 1888.1131, Cat. No. 67[c] with EA 20942, Cat. No. 65[c]). Note the differences in shape of the sole: the mules with (large) wings, have extremely constricted waists. The isolated find of a part of the sole might therefore lead to erroneous identification. Often soles are made with papyrus between the layers; seemingly, in these sandals tear-shaped stitches keep the layers in place (see QI 80.3.4/117, Cat. No. 63[c]).

It is probable that features such as the shape, technology and decoration, can be used for dating as seen by Smalley's initial study (2012). However, considerable work need to be done until a chronology of styles and technology can be established.

Note on Classification

Montembault (2000: 65-67) classified mules as *Classe III* of leather footwear and recognises three types; type A is further divided into two variants. This classification is followed here too. However, on the basis of the shape (pointed front, highly constricted waist and small wings) EA 20942 (Cat. No. 65[c]) cannot be classified to any of Montembault's categories. Type A of Montembault could, thus, be divided into Variant 1 with the most important feature that divides them from Variant 2 (EA 20942, Cat. No. 65[c]) the

stubbed front part. Both have highly constricted waists with side wings. Note that these mules differ distinctly from the one pair of mules known to date from Pharaonic times (Veldmeijer, 2013c), which cannot be classified in Montembault's system.

LEATHER FOOTWEAR

SHOES

| | |
|---|--|
| | Unidentifiable |
| <i>Cat. No.</i> | 70; |
| <i>Inv. No.</i> | CM ?; |
| <i>Add. No.</i> | QI 84.1.9/53; |
| <i>Provenance</i> | Unit 357, Cathedral Section (West), Level +; |
| <i>Date</i> | ?; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length (sole): 20.2 cms; Width (sole): 5.6 cms; Width (total): 9.1 cms; |
| <i>Remarks</i> | Measurements from find card. This shoe has not been studied first hand and hence comparison is left out. Rose (pers.com. 2014) notes that the provenance is incorrect and should be either '358 Cathedral Section' or '357 west section'. Both, however, are unstratified. |
| <i>Bibliography</i> | -; |
| <i>Description (according to find card)</i> | |
| Small shoe. So badly made it is difficult to tell how complete – maybe entirely so except for damage to [backpart] caused by its being walked on. Otherwise the upper part of the [backpart] may also be missing. Sole single thickness, not very stout, soft. Sewn directly to underfolded uppers with two sets of leather stitches, outer running stitches, inner angled [whip stitches?]. Sole narrow waisted. Pointed toe, slightly upturned. [Vamp is] one piece; [backpart is] one piece. [Vamp] has [extension] 5.0 cms long. No [edge binding] or trace of any and front end pinned and slightly folded to form pointed toe. Two very crudely pierced holes to take [lace], at base of tongue. [Backpart] overlaps [vamp] on both sides of shoe but there is no rounded or reinforcement and they are not stitched together. The max[imum] height of [the | |

backpart] (6.5 cms) is achieved at its forward edge, i.e. there is no back flap [not clear what is meant] and it seems likely there never was – the present c. 5.5 cms seems original. Crude hole cut in 3 cm of leading and top edges each side, for [lace]. No [edge binding] or sign there was one. Pull marks through the holes show a [lace] was used, but it is absent. Dark leather throughout, but front upper (grainy) differs from rear upper (smooth). [...]

| | |
|---|-------------------------------|
| <i>Cat. No.</i> | 71; |
| <i>Inv. No.</i> | CM 3308; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian(?); |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 170; Width: 75; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Bibliography</i> | -; |
| <i>Description</i> | |
| Shoe sole with a rounded heel from which the width, towards the front, decreases continuously, ending in a centrally-positioned pointed toe. Thus, the sole is straight. It consists of an in- and tread-sole that are secured along the edge with coarse running stitches. A smaller layer of leather is attached to the dorsal surface of the insole so that it covers it partially. It has a tooled surface, which is at least partially manmade. It extends approximately three quarters of the length of the sandal, leaving the front quarter of the length uncovered. The function of this leather, which suggests a part of the (original upper?) is unclear. Nothing of the upper remains. | |
| <i>Cat. No.</i> | 72; |
| <i>Inv. No.</i> | CM 3305; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian; |

Type Undetermined;
Materials Leather;
Measurements Length: 127;
 Width: 78;
Remarks Measurements are approximate;
Bibliography -;
Description
 Incomplete vamp with fragments of the sole. The remnants of the sole/upper construction suggest a similar construction as seen in CM 2162 (Cat. No. 125). The vamp is embellished with gold foil, covering most of the surface. Note the reinforcement patches at the inner side of the vamp.

Cat. No. 73;
Inv. No. CM 10357;
Provenance ?;
Date ?;
Type Undetermined;
Materials Leather;
Measurements Length: 260.0;
 Width heel: 65.0;
 Width waist: 58.0;
 Width front: 83.0;
 Thickness: 3.3;
Remarks Remnants of additional numbers visible;
Bibliography -;
Description

Thick, slightly warped shoe sole. The heel is rounded and the waist constricted. Towards the front, both sides increase in width and curve; the medial side curves more distinctly. This results in a swayed sole that is meant for the right foot.

The sole seam still has remnants of the stitching, showing the upper, now entirely lost, was secured with interlocking running stitching. This was done through part of the thickness, *i.e.* they are not visible at the ventral surface. The upper, thus, rested on the sole. Note, however, that a line on this surface marks the stitching, which was done with flax thread.

Cat. No. 74;
Inv. No. CM 3301;
Provenance ?;
Date ?;
Type Undetermined;

Materials Leather
Measurements Length: 170.0;
 Width heel: 63.5;
 Width waist: 69.7;
 Width front: 60.7;
 Height heel: 45.7;
Remarks The shoe is heavily restored and therefore not further discussed;
Bibliography -;

Description
 The shoe looks complete at first sight but it is heavily restored, including the use of reddish-brown paint. The shoe consists of a treadsole and a loose insole, which is not included in the sole seam. The heel is rounded and the waist is (nearly) equal in width. From here towards the front, the width slightly increases first, and especially at the lateral edge curving smoothly towards the big toe area, after which it terminates in a pointed front. The result is a swayed sole for the right foot. At the heel, a seemingly isolated triangular fragment with impressed line motif, is kept in place due to the conservator's intervention. The isolated pieces at the back originally belonged to the vamp of the left shoe of the pair: thus far, impressed decoration at the heel in shoes has not been registered before. Moreover, the upper seems to be made as one piece without any seam at all, although a back seam could be expected. The treadsole is largely reconstructed.

The upper is secured to the sole by means of a rand; although it seems to have been achieved with interlocking running stitching through the edge of the upper and the sole, it is not possible to give more details of the construction. The vamp has a central extension, terminating in a circular element. The edge of this vamp runs concave towards the side of the shoe at either side of this extension. Across the vamp is a decorative band, consisting of two sets of parallel lines flanking a diamond motif.

The decoration is incised, combined with scraping away the uppermost surface (for the diamond motif only). Along the entire edge of the upper, crossing each other at the instep's protruding part, are two parallel lines. The backpart, coming from the vamp, fairly abruptly increases in height, ending in a horizontal edge at the heel. The heel

itself has a lining which seems to extend along the entire heel. The vamp seems to be without a lining. A semi-circular heel stiffener is visible at the outside, which is included in the sole seam.

Roman Sewn Boots

Cat. No. 75;
Inv. No. CM 11951;
Add. No. QI 80.1.23/63;
Provenance Qasr Ibrim, South Rampart Street, Level 2B, Lower Cobble Fill;
Date Roman (c. AD 25-100);
Type Style Mainz;
Materials Leather;
Measurements Length: 25.0 cm;
 Width (sole): 6.8 cm;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (2001: 363-364);

Description (according to find card)

Rear part of shoe. Sole complete except for toe end, rear uppers preserved in damaged condition. Type as the fragments 80.1.20/85 [Cat. No. 77[c]] and 80.1.21/92A [Cat. No. 78[c]], also now 80.1.23/64 [Cat. No. 79[c]] essentially 78.3.15/106 type. Front upper cut away. [Swayed] sole of surprising narrowness, from 6.8 cms at ball of foot down to about 3.6 cms under arch. This is a single thickness but is light and porous-looking, with all stitches showing, and there was certainly another [sole layer] underneath. Upper was of 2 thicknesses. The inner one is low only, shaped to run parallel to the sole all along the sides and only 1.0-1.2 cms wide. About 7 cms from the back of the shoe it is stitched to a second piece, which rises higher, though still c. 2.1 cms only, around the base of the ankle. This is the left side. Arrangement: right is hidden but probably the same. The outer thickness has only one join. This is on the left, about 4 cms from the rear. Otherwise it may even have been a continuous sheet of leather. The two thicknesses are sewn to the sole with s-ply flax. The exact arrangement of the stitching is visible but difficult to work out unless the shoe is dismantled. These stitches, of which there are 2 rows along each edge, are presumed to have held the [treadsole] also. S-ply flax stitches sew together the join of the outer upper. The outer upper is largely preserved at

rear, though distorted. Its height was about 8 cms.; on each side were 4 tie-projections shaped [...] and flat. These would have been laced together in front of the ankle. Some are now broken. There is a second reinforcing thickness for back and ties alike, delicately stitched. One tie has a crude repair with leather stitches.

Cat. No. 76;
Inv. No. CM 11966;
Add. No. QI 78.3.15/106;
Provenance Qasr Ibrim, South Rampart Street, Sections A-B, Level 3;
Date Roman 1 (25 BC-AD 25);
Type Style Mainz;
Materials Leather;
Measurements Length: 265.0;
 Width heel: 89.9;
 Width waist: 65.6;
 Width front: 101.0;
 Length vamp: 152.0;
 Height heel (min.): 60;
 Length vamp: 152.0;
 Length extensions backpart (appr.): 57.4;
 Thickness sole: 4.0
Remarks -;
Bibliography Van Driel-Murray (2001: 363-364);

Description

A well preserved, intact shoe that is meant for the left foot. The sole shows wear at the heel and at the ball of the foot. The sole has a rounded heel and a pronounced constricted waist, which is situated comparatively far towards the front. From here, the width of the sole increases distinctly; since the curvature of the lateral edge is more elongated than the medial edge, it runs smoothly curved at the front towards the big toe area. The result is a swayed sole. The sole consists of an insole and treadsole. The sole seam is, seen from dorsal, largely obscured by the upper. It is so stiff that it prohibits lifting it to proper view the construction. From the ventral side, however, leather thong stitches are visible that suggest that the upper is secured to the sole by means of running stitching, but it cannot be entirely ruled out that tunnel stitching was used and that the stitching is exposed due to decimating the thickness by its use.

The upper consists of a vamp and backpart. The vamp is a semi-circular piece with a strongly concave instep edge; the corners at either side make up the side of the instep for the larger part. A lining is absent. The instep edge has no separate edge binding, but the line shortly away from it suggests that the edge is folded inwards and sewn. Most of the stitching, however, is missing. Stitching through part of the leather's thickness often result in comparable lines.

The backpart is a rectangular piece of leather that is fairly high, extending over the ankle. At the front, it connects with the extensions of the vamp. The sideseam is protected by a roundel, the shape of which can best be described as 'heart-shaped'. It is secured along the edges with running stitches of leather, but this seems a repair as remnants of flax stitches are still visible. The front of the backpart ends in five extensions at either side, all of them with large slits that insert in about half of the length. The slits in the extensions terminate in circular holes. The medial extensions end square, whereas the extensions at the lateral side are rounded, the width of which is slightly larger than the width of the extension proper. Two medial extensions are intact; only one lateral extension is still preserved entirely. The backpart is made of two layers, which are sewn together: the extensions with interlocking running stitching that is made of leather thong (but only at the outer edges. *i.e.* the edges that are the result of the slits cut in them are not sewn), whereas at the dorsal instep edge, the outer layer is folded over the inner layer. The layers are secured with flax whip stitching. Two additional, vertical rows of whip stitching further secures the two layers. These are positioned at either side of the centre of the backpart. Closing of the shoe was done by means of a thin lace, remnants of which are still present.

Comparative Material

| | |
|------------|--|
| Cat. No. | 77[c]; |
| Id. No. | QI 80.1.20/85; |
| Add. No. | Cam-3589; |
| Collection | British Museum, London; |
| Provenance | Qasr Ibrim, South Rampart Street Section C, Level 2B, Cobble Stone Fill; |

| | |
|--------------|---|
| Date | Roman (c. AD 25-100); |
| Type | Boot; |
| Materials | Leather; |
| Measurements | Length, as at present distorted, c. 14.0 cm; Height: c. 9.0 cms; |
| Remarks | Measurements from find card; for cutting pattern cf. CM 11966, Cat. No. 76; |
| Bibliography | Van Driel-Murray (2001: 363- 364); |

Description (according to find card)

Rear portion of upper of Roman [shoe]. Manufactured apparently from a single sheet of leather folded over along the top edge. [Of the backpart] the outer thickness survives only as a very narrow strip reinforcing the top edge (c. 0.2 cms wide), but over the ankle-bones it completely covers the other thickness, giving double strength to the ties and the piece from which they spring. There appear to have been 5 ties on each side, running approx[imately] horizontally and wrapping around the ankle. Exquisitely small stitching runs right around the edge of each tie, oversewing the edge and joins the two thicknesses similarly. Stitches are of s-spun flax(?) about 0.25 cms apart and 0.1-0.2 cms long. The ties are similar to those of 80.1.20/84[c] [Cat. No. 92] but the small hole in the end is in [80.1.20]/85 [Cat. No. 77[c]] joined to the long split, and the ties are round-section (approx[imately]) in [80.1.20]/84 [Cat. No. 92[c]] and flat-section in [80.1.20]/85 [Cat. No. 77[c]].

| | |
|------------|---|
| Cat. No. | 78[c]; |
| Id. No. | QI 80.1.21/92A-D; |
| Add. No. | Cam-3698; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, South Bastion, Unit C2, West passage, Level 3, Quarry Fill; |

| | |
|--------------|--|
| Date | Roman (c. AD 25-100); |
| Type | Boot; |
| Materials | Leather; |
| Measurements | A) Width: c. 20 cms; Length: 4.9 cms; B) Width: 5.5 cms; Length (stretched): c. 14 cms; C) Width: 4.0 cms; |

Length: 10 cms;
D) Width: 3.0 cms;
Length: 8 cms;
Remarks Measurements from find card; A)
For cutting pattern cf. CM 11966,
Cat. No. 76; B-D) Not from com-
parable shoes but rather shoes like
caligae (see below);
Bibliography Van Driel-Murray (2001: 363-
364);

Description (according to find card)

A) Fragment from rear of [boot] upper. Type of which a somewhat larger fragment is represented by 80.1.20/85 [Cat. No. 77[c]]. Upper tie only, on each side, survives. Appears to differ from 80.1.20/85 [Cat. No. 77[c]] by being of more than one piece of leather – one thickness forms the central area and both ties, and is turned over to finish off the top of the central area. Separate pieces are attached to form the second thickness of the two ties. All stitching is, as usual, neat, but less so than [80.1.20]/85 [Cat. No. 77[c]]. Furthermore, presumably because of the use of the two thicknesses of leather, the stitching on the ties is running along the edge and not over the edge. Or this may simply be preference of the maker. Stitches are of flax (probably). The stitching of the central area, where the top is turned over, is [sewn with whip stitches]. One tie is detached.

B-D) [...] ties belonging to a [boot] of type of which front is 80.1.20/84 [Cat. No. 92[c]]. B) Remains attached to (and, integral with, [...]) one leather piece) part of upper with stitch holes containing leather stitches; C) Also retains the small piece of upper with which it was integral, and stitch holes with leather in – also a row of much smaller holes and another of depressions. The latter at least and perhaps the former, must have been decorative. There are also 2 decorative roundels stamped on; D) Has about 3 holes where it was attached to the upper. Width of space ends – B) 1.3 C) 1.4 cms.

Cat. No. 79[c];
Id. No. QI 80.1.23/64;
Add. No. Cam-3694;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street,
Level 2B, Lower Cobble Fill;
Date Roman 2 (c. AD 25-100);

Type Boot;
Materials Leather;
Measurements In present state,
Length: 25 cms;
Width: 4.5 cms;
Remarks Measurements from find card. For
cutting pattern cf. CM 11966, Cat.
No. 76;
Bibliography Van Driel-Murray (2001: 363-
364);

Description (according to find card):

Rear upper of shoe, of type 80.1.20/85 [Cat. No. 77[c]], 80.1.21/92A [Cat. No. 78[c]], 80.1.23/64 [sic: 80.1.23/63, Cat. No. 75]. Made in one piece, folded over double. The inner thickness is cut away in the central area, only the turned-over top edge and the ties, and 1.5 cms to support them, being double. A second [sic: third?] thickness from the central area, attached separately as apparently in 80.1.23/63 [Cat. No. 75] may be lost. [...] Edges of ties oversewn as 80.1.21/92[A, Cat. No. 78[c]]. Stitches of flax.

Cat. No. 80[c];
Id. No. QI 78.3.12/31;
Add. No. EA 71820;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street,
Section A-B, Level 3;
Date Roman 1 (c. 25 BC-25 AD);
Type Boot;
Materials Leather;
Measurements Length: 28 cms;
Width: 9.5 cms;
Remarks Measurements from find card. For
cutting pattern cf. CM 11966, Cat.
No. 76;
Bibliography Van Driel-Murray (1999a: 172-
174; 22001: 363-364);

Description (according to find card):

Left shoe. Sole of [single] thicknesses of leather [but with additional heel patch at the ventral surface of the 'insole']. Heel: 7.5 cm. long, 8 cm. wide, made separately. Large leather [vamp], made in one piece except for small separate piece on right side of front. This is neatly attached and appears to be an original feature. At max[imum] width, near its back, it is about 17.5 cms. wide. [Tongue] 8 cm. long and c. 15 cm. wide, damaged but probably rectangular origi-

nally and would have covered a substantial part of the front of the wearer's ankle. The back of the [vamp] is only 4.5 cm. At bottom (7.5 cm. at the top) from back of sole. [...] [Backpart] now bent over, but height apparently c.11 cm. Reinforcing it, except at the rear 7-8 cm, is another thickness on the inside [lining], on both left and right sides. The two thicknesses turned around the ankle, presumably on top of the [tongue] and each ended with a vertical edge in front of the ankle. From each project 5 rectangular straps from 5 cm. (at top) to 7 cm. (at bottom) in length with cut-outs about 3 cm. long running along them. They consist of the 2 leather thicknesses simply cut into 5 and with edges over-sewn to prevent splitting. A tie [...] will have laced up the [shoe] in front of the ankle, passing through these 5 straps on each side [...] Inside the rear upper are small strengthening pieces of leather, size and shape uncertain while shoe is crumpled. Along the junction of [vamp] and sole runs another strengthening strip, c. 1 cm. tall, doubling the thickness of the sides for that height. Sole [layers] sewn to uppers and uppers sewn together with s-ply flax. Shoe almost complete.

| | |
|--------------|---|
| Cat. No. | 81[c]; |
| Id. No. | QI 78.3.21/21; |
| Add. No. | EA 71819; |
| Collection | British Museum, London; |
| Provenance | Qasr Ibrim, West rampart, Below EC Houses, Level 0; |
| Date | Meroitic 1 (c. AD 100-200); |
| Type | Boot; |
| Materials | Leather; |
| Measurements | Sole length: 24 cms; Sole width: 9 cms; |
| Remarks | Measurements from find card. Transferred to BM 1989; |
| Bibliography | Van Driel-Murray (1999a: 172-174; 2001: 363-364); |

Description (according to find card):

[...] leather sole [of two layers], almost complete. The 2 [layers are] sewn together and to the uppers with s-ply flax [running stitches?]. These stitches run all around the edge, showing beneath sole, and in a line across 11 cms from the front; also a single stitch in the middle 6 cms from the back. There were no hobnails. Uppers have now parted from sole except on left side. Upper [consists of two parts that] joins [with side seams].

[Vamp] extends c. 11 cms over foot. In centre of trailing edge, 2 small holes 1 cm apart, through which passes a tie 0.2 cms wide, of leather, passing underneath between the holes and up through them. One survives for 12 cms to a break. The other runs 2 cms to a knot (probably it broke) then runs another 10 cms to a break. From the trailing edge of the [vamp], there runs a thin piece of leather [vamp extension], about 5 cms long and the full width of the upper. The side [of the] uppers are now much folded, but were probably 6-8 cms high. From the [instep] edge, all along the sides, ran tie projections which are integral with the upper. These are about 4.5-6 cms long, 1-2 cms wide, and have cut slits running along them, ending in a cut-out hole in each case, c. 0.8 cms from the tip. The bases of these ties are continuous from the end of the [vamp extension] almost to the back. All 6 survive on the right; 1 (or 2?) are lost on the left. The distance around the back which is free of them is about 9 cms. The thin strands from the [vamp], now broken, will have passed through these, and they [...] stood upright along the sides of the ankle. The edges were nicely finished with tiny leather stitches in each case. [...] This [shoe] has been patched. A small hole in the rear of the [backpart] has been covered by a rectangular patch, 2.5 cms x ? (2.5 cms +), very neatly sewn with similar tiny leather stitches. There is a split in the sole under the ball of the foot, and the very back of the heel is broken away.

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| Cat. No. | 82[c]; |
| Id. No. | QI 80.1.27/48A; |
| Add. No. | Cam-3629; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, South Rampart Street, Level 2B, Lower Cobble Fill; |
| Date | Roman 2 (c. AD 25-100); |
| Type | Boot; |
| Materials | Leather; |
| Measurements | Length: 17 cms; Width: 12 cms; |
| Remarks | Measurements from find card. For cutting pattern cf. CM 11966, Cat. No. 76; |
| Bibliography | Van Driel-Murray (1999a: 172-174; 2001: 363-364); |
| Description (according to find card): | |
| A) [Backpart] of type represented by 80.1.20/85 [Cat. No. 77[c]], [80.]1.21/92A [Cat. No. 78[c]], | |

[80.]1.23/63 [Cat. No. 75], [80.]1.23/64 [Cat. No. 79[c]]. Central area, and two ties from top to left side. Remainder cut off. Unusually thick leather. If top edge turned over, it has now been cut off. As presently surviving, it is two thicknesses, of which one is of the ties and their supports only. The stitching, of s-ply flax oversews the edges of the ties [...] as 80.1.23/64 [Cat. No. 79[c]].

Cat. No. 83[c];
Id. No. QI 80.1.30/64B;
Add. No. Cam-3555;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Section B, Level 4;
Date Roman 1 (c. 25 BC-AD 25);
Type Boot;
Materials Leather;
Measurements Length: 6.0 cms;
Width: 3.3 cms;
Thickness: 0.2 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 172-174; 2001: 363-364);
Description (according to find card):
B) Flat-section tie of stout leather, from [boot] of type of [80.1.23/64, Cat. No. 79[c] etc.]. Cut off with a knife.

Cat. No. 84[c];
Id. No. QI 80.1.30/79A;
Add. No. Cam-3558;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Section B, Level 4;
Date Roman 1 (c. 25 BC-AD 25);
Type Boot;
Materials Leather;
Measurements Length: 7.2 cms;
Max width: 1.4 cms (tie);
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 172-174; 2001: 363-364);
Description (according to find card):
A) Tie from shoe of type of 80.1.23/63 [Cat. No. 75] etc. The variety that has single leather thickness, turned double and edges oversewn [...] with tiny [whip] stitches, probably flax.

Cat. No. 85[c];
Id. No. QI 80.2.3/73;
Add. No. Cam-3559;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Section D, Level 3B;
Date Roman 1 (c. 25 BC-AD 25);
Type Boot;
Materials Leather;
Measurements Length: 7.6 cms;
Width: 2.2 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 172-174; 2001: 363-364);
Description (according to find card)
Single-thickness leather fragment. [...] a tie from a shoe of type [CM 11966, Cat. No. 76]. Edges turned over and oversewn [...] with [whip] stitches of s-ply flax (some now undone). Point of join was at end of one long side, not at an end, cut off. Unusually ill-made slit, simply a cut with a slightly-enlarged end.

Cat. No. 86[c];
Id. No. QI 78.3.19/115;
Add. No. Cam-3595;
Collection British Museum, London;
Provenance Qasr Ibrim, South Bastion, Unit C2, West Passage, Level 1;
Date Roman 2 (c. AD 25-100);
Type Boot;
Materials Leather;
Measurements 9 x 9 cms;
Remarks Measurements from find card;
Bibliography Cf. Van Driel-Murray (1999a: 172-174; 2001: 363-364);
Description (according to find card)
Fragment of shoe upper. [...] Two thicknesses of leather sewn face to face with tiny neat stitches of z-ply flax. Both thicknesses present in a row of 4 tie-projections, about 5 cms in length each one. These have a longitudinal central slit c. 3.5 cms long ending in a cut circular hole at the tie end. One thickness [the lining] stops c. 0.8 cms beyond the tie-projection; the other is 1-3 cms longer. Presumably the front part of the [backpart] of the right foot [...].

Cat. No. 87[c];
 Id. No. QI 80.2.4/74;
 Add. No. Cam-3560;
 Collection British Museum, London;
 Provenance Qasr Ibrim, South Rampart Street,
 Section D, Level 3B;
 Date Roman 1 (c. 25 BC-AD 25);
 Type Boot;
 Materials Leather;
 Measurements Length: 6.9 cms;
 Width: 2.6 cms;
 Remarks Measurements from find card;
 Bibliography Cf. Van Driel-Murray (1999a: 172-
 174; 2001: 363-364);

Description (according to find card)

Tie from shoe of 80.1.23/63 type [Cat. No. 75]. Very similar to 80.2.3/73 [Cat. No. 85[c]] but not same shoe because of differences in colour, etc. Double-thickness of leather, of two separate pieces on this fragment. Edges sewn [...] [with whip stitches]. Stitches of s-ply flax. Central slit ends in [...] [a rounded cut out] otherwise only a slit, no leather removed. Sewn side is side to be seen.

Cat. No. 88[c];
 Id. No. QI 80.2.14/144;
 Add. No. Cam-3590;
 Collection British Museum, London;
 Provenance Qasr Ibrim, South Rampart Street,
 Section E, Level 3C;
 Date Roman 1 (c. 25 BC-AD 25);
 Type Boot;
 Materials Leather;
 Measurements Width: c. 15 cms;
 Height: c. 12 cms;
 Remarks Measurements from find card. For
 cutting pattern cf. CM 11966 (Cat.
 No. 76);
 Bibliography Cf. Van Driel-Murray (1999a: 172-
 174; 2001: 363-364);

Description (according to find card)

[Fragment of backpart] of shoe upper from shoe of type 80.1.23/64 [Cat. No. 79[c]] [and 80.1.23]/63 [Cat. No. 75]. Still supple, but much crumpled. For the most part, a single thickness. The bottom is mostly torn, but at one end a few stitch-holes and stitch fragment of flax prove the present 12 cms is practically all there was. Left edge original, right is torn off. Each side retains all the

5 original tie projections. These are flat, spade-ended, with slits ending in circular cut-outs. As usual, they are reinforced [with a lining] on the inside. The left reinforcement starts 3 cms in from the end of the top tie (whose length is c. 5 cms), and the single piece covers all ties, curving round to below the bottom one but not going down to these soles. At the bottom [illegible, probably 'junction'] of this are a lot of little stitch-holes [clustered], so maybe it was reinforced here with a roundel. Right side virtually identical, but no complex stitch-hole pattern. Sewing of the 2 thicknesses is with tiny [whip] stitches of z-ply flax. Mostly these run up to the edge but do not show outside.

Cat. No. 89[c];
 Id. No. QI 80.2.16/115A;
 Add. No. Cam-3628;
 Collection British Museum, London;
 Provenance Qasr Ibrim, South Rampart Street,
 Level 4;
 Date Roman 1 (c. 25 BC-AD 25);
 Type Boot;
 Materials Leather;
 Measurements c. 7 x 7 cms;
 Remarks Measurements from find card;
 Bibliography Cf. Van Driel-Murray (1999a: 172-
 174; 2001: 363-364);

Description (according to find card)

A) Very brittle. Set of 3 surviving flat ties from shoe as 80.1.23/63 [Cat. No. 75]. Two have broken off ends. Intact survivor is 6 cms long, square ended, [with slit that ends in a circular cut-out] (cf. for example 80.2.14/144 [Cat. No. 88[c]]). (Total length of this slit 1.8 cms; other 2 normal [?]). As usual, 2 thicknesses, tiny [whip] stitches (flax?) along edges, too deteriorated to be sure of flax.

Cat. No. 90[c];
 Id. No. QI 80.2.28/96;
 Add. No. Cam-3568;
 Collection British Museum, London;
 Provenance South Rampart Street, Section B,
 Level 4;
 Date Roman 1 (c. 25 BC-AD 25);
 Type Boot;
 Materials Leather;
 Measurements 10.5 x 7.8 cms;
 Remarks Measurements from find card;

Bibliography Cf. *Van Driel-Murray* (1999a: 172-174; 2001: 363-364);

Description (according to find card)

Part of upper of shoe; type of 80.1.23/64 [Cat. No. 79[c]], etc. [see above]. Two tie projections (3rd between them lost?). Two leather thicknesses, sewn with small stitches of s-ply flax. Fragile.

Discusson

See below with ‘*Carbatinae* and *Caligae*’.

Carbatinae and *Caligae*

Cat. No. 91;
Inv. No. CM 11968;
Add. No. QI 80.1.23/66;
Provenance Qasr Ibrim, South Rampart Street, Level 2B, Lower Cobble Fill;
Date Roman (c. AD 25-100);
Type Not specified;
Materials Leather;
Measurements Length: 22.5 cm;
 Width (sole): 9.5 cm;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (2001: 353-355, 362-363);

Description (according to find card)

[Shoe] for right foot, essentially complete. [...] Leather sole [of two layers], of which the [treadsole] is made in one piece with the “upper” (ties). The [insole] is [swayed], max[imum] width approx[imately] 9.4 cms, min[imum] approx[imately] 7.6 cms., length before becoming bent probably c. 23 cms. A single row of leather stitches runs right around the edge. These are c. 0.3 cms wide, 1.0-1.5 cms long on top. They come through to the [ventral surface], much smaller, where most are lost. There is a similar row down the centre, excluding rear 6 cms. The central area of the [treadsole] is lost. There are many holes in the remainder, most presumably for hobnails though leather stitches do protrude from 3, for unclear purposes. Probably central stitch row. Arrangement is as shown. Apart from [insole], whole [shoe] is of one piece of leather. The back, approx[imately] 9.5 cms high, is the place where it joins, being leather sewn. Seam width c. 0.4 cms. The lower part has split apart and been roughly stitched

similarly. From this have been cut the ties. On each side the uppermost is flimsy – in both cases the end is lost so form is uncertain. Below this on each side one tie, then another from a complex support [...], then 5 on the right, 4 on the left, all of slightly different shape. Sections are oval, ends spade-shaped and flat, and all come together at a point c. 7 cms from the toe, where doubtless they were gathered by a separate thread confirmed now by 80.1.27/46A [Cat. No. 93[c]], or even possibly by the flimsy topmost tie. The rear stitching is noticeably less elegant than the beautiful fragment 78.3.21/46A [Cat. No. 95[c]] and 78.3.12/44 [Cat. No. 94[c]]. Remnants of a small leather-sewn patch on right side, on broadest part of upper.

Comparative Material

Cat. No. 92[c];
Id. No. QI 80.1.20/84;
Add. No. Cam-3635;
Collection British Museum, London;
Provenance South Rampart Street Section C, Level 2B, Cobble Stone Fill;
Date Roman (c. AD 25-100);
Type Not specified;
Materials Leather;
Measurements Length: 13.0 cm;
 Width: 10.5 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (2001: 353-355, 362-363);

Description (according to find card)

Front part of Roman military [shoe] sole cf. 78.3.12/44 [Cat. No. 94[c]], and others in 1978. Consists of [insole], which turned up approx[imately] 0.7 cms to form the lowest part of the upper (short knife-cuts to facilitate the upturn are visible on exterior). From this sprang ties, all of a piece with the remainder, of which in this example 2 complete ones remain and two damaged ones, one of which is detached. The 2 complete ones are both on one side and are the one closest to the toe-end (another stump closer [was] later noticed) (3.5 cms from it) and probably the third (4.5 cms further on). Between them a roughness probably marks a lost second tie. Their lengths are respectively 6.5 and 5.5 cms. All around edge of sole are stitches of z-spun, s-ply flax. All broken below

proving they attached a second, lower sole [treadsole] (which was presumably hobnailed). Stitches are c. 1.0-1.5 cms long.

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| Cat. No. | 93[c]; |
| Id. No. | QI 80.1.27/46A-D; |
| Add. No. | A-B = cam-3700; |
| Collection | British Museum, London; |
| Provenance | Qasr Ibrim, South Rampart Street, Level 2B, lower cobble fill; |
| Date | Roman (c. AD 25-100); |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | A) Length: 9.5 cms; Width: 13.0 cms; B) Length: 18.0 cms; Width: 11.0 cms; C) Length: 8.0 cms; Width: 0.9 cms; D) Length: 9.2 cms; Width: 9.0 cms; |
| Remarks | Measurements from find card; C and D not illustrated; |
| Bibliography | Van Driel-Murray (2001: 353-355, 362-363); |

Description (according to find card)

Four [shoe] fragments, almost certainly of one shoe – A and B appear just to join at their extremities. [Shoe] is the type of 80.1.23/66 [illegible] [Cat. No. 91]. A) closely resembles 80.1.23/66 [Cat. No. 91], being the front part. [Insole] integral with uppers, the arrangement of the ties of which 2 on the right survive intact and 3 on the left all broken, is the same. However, the ties are much more pointed, the hole is further from the end and itself shaped less like a keyhole. Leather strands 0.25 cms wide link two ties on the right, and survive in two separate ties on the left. All three are knotted and so closely resemble the thin tie at the top of 80.1.23/66 [Cat. No. 91] as to confirm the speculation there expressed that this was the means of gathering all ties together (one tie later became detached). There appear to be 4 stud-holes in line across the sole c 6 cms from front, and pairs of centre holes for stitching c 2.5 and 5.0 cms from toe.

B) Central and rear part of sole, much damaged. Stitch holes in pairs in centre c 7.5 and 4 cms from rear – note that the central stitch-line does not occur in the middle of the shoe, though it does in 80.1.23/66

[Cat. No. 91]. Stitch-holes also along the sides, containing fragments of stitches of flax. The [insole] is entirely lost. Hobnail holes as drawn. Small piece of rear survives, being the end of the right-hand piece, and part of the covering strip which went over the join to conceal it, as in 78.3.12/44 [Cat. No. 94[c]], though not in 80.1.23/66 [Cat. No. 91], which is less well made. This covering strip stood vertical, is 1.8 cms wide (its full original width) and stands 12 cms high, probably close to full height. It is sewn with a narrow leather thread to the right upper, much less neatly than 78.3.12/44 [Cat. No. 94[c]]. Note on left side, far left of sole, 5 tiny leather stitches, thus on exterior. Standing up inside also other tiny leather stitches on that edge. Presum[a]bly additional attachment for [insole].

C) Square-ended tie from rear end of a [shoe] of this type. Probably the same one but not necessarily. Again, note lack of “keyhole” cut.

D) Probably part of the [insole] of this shoe, rear end. Tiny leather stitches match B.

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| Cat. No. | 94[c]; |
| Id. No. | QI 78.3.12/44; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, Outside South of Unit C2, South Bastion, Level 1B and 1C; |
| Date | Late Christian 1 (AD 1100-1300); |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | Length: 18.5 cms; Width: 10.5 cms; Height: 12.5 cms; |
| Remarks | Measurements from find card. It is without a doubt that the shoe is Roman; |
| Bibliography | Van Driel-Murray (2001: 353-355, 362-363); |

Description (according to find card)

Rear part of leather [shoe]. Splendidly made from a single sheet of leather. Along the sides of the sole one row of stitch-holes, in some of which are remains of stitches of 1 ply flax. Most of the stitches do not appear [at the other side], so presumably they attached [a treadsole]. From the centre, 4 cms from the back, running somewhat left of centre, a row of 5 holes c 2.5 cms apart, regularly spaced, and another 2.5 cms to the right of the front preserved one. Dia[eter] of

these holes c 0.5 cms. They probably took studs, which would have left their head-impressions only on the [treadsole].

Tall vertical back made by making a cut [in W shape] in the leather, bringing the edges together, adding a strip 2.5 cms wide outside the join (now partly lost) and stitching with s-ply flax. Finally, another strip 0.6 cms wide added down the centre of the wider one, and again stitched [with] z-ply flax, presumably for decorative effect. The total width of the back piece is c 4 cms; to left and right of it, symmetrically, large areas cut out of the leather to leave long leather projections (length up to 13 cms., the longest having cross-links left between them) which have double stems of round section, rejoining in a spade end 2.5 to 3 cms long. 4 of these survive on each side and there may have been no others; a stump on each side may well be complete, not a break. Forward of these, projections of a different shape appear, similar in design but with oval ends, and only c 6 cms long. On the right, 2 survive; on the left, one. 2 detached projections, one long and spade-ended and one short and spade-ended, may not belong to this [piece of footwear], or may belong to the lost front part. Leather stained black. Evidence of tooling round the edge of the ties.

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| Cat. No. | 95[c]; |
| Id. No. | QI 78.3.21/46A, B; |
| Add. No. | A) Cam-3596; B) Cam-3598; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, West Rampart, Below E[arly] C[hristian] Houses, Level 0; |
| Date | Meroitic (c. AD 100-200); |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | A) 16 x 4 cms; B) 25 x 8 cms; |
| Remarks | Measurements from find card. It is without a doubt that the shoe is Roman; |
| Bibliography | Van Driel-Murray (2001: 353-355, 362-363); |
| Description (according to find card) | 2 fragments, presumably from a pair of [shoes], one of which may be 78.3.21/47 [Cat. No. 96[c]]. A) Strip of leather that ran up behind [the] wearer's heel [back seam]. This is 10 cms high, 2 cms wide. Two pieces of leather make a vertical butt join. On the outside |

they are joined by tiny leather stitches [as a braid] 4-5 per cm. On inside these show [as vertical rows at either side of the seam]. 3 ties projected from each side. The centre right one survives intact, c. 11 cms long [square] end. Top left broke in both its stems, both repaired, with one knot and two knots respectively. These tie-projections, which went around sides of ankle and must have been pulled tight, were a weak point. Bottom 2 cms are attached, on outside, to a leather fragment 3 cms high. The stitching, with leather, is quite crude and the whole overlies 2 cms of the decorative [back seam] stitching. It is therefore presumably a repair, the whole strip having pulled away from the rear and of the sole or upper. The original join was along the bottom. Note small knobs opposite each other 5.5 cms from bottom. [...]

B) Virtually identical. 10 cms high. Preserves the lowest of the 3 tie-projections, which A does not; although broken in one stem the lowest on left can be measured at c 15 cms long. The 2 stems start 3 cms apart, the lower being right at the bottom, as it can now be seen to be true of A. A junction at 3 cms for strength. Note decorative knob again, and decorative hole. Lowest on right differs, the 2 stems being only 2 cms apart. The lower one broke, both before and after the junction (which incidentally has no hole) and has been rather crudely repaired. A leather strand was knotted [...] to replace the first part of the stem, was knotted also to the broken second part and was then knotted to a [illegible] piece of leather c 6 x 12 cms that looks like part of a leather sole! Here it could only have functioned as a tie-projection, for which it is quite unsuitable. Cannot be certain because of damage, whether one piece is left foot and the other right foot.

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| Cat. No. | 96[c]; |
| Id. No. | QI 78.3.21/47; |
| Add. No. | Cam-3597; |
| Cur. Loc. | Egypt; |
| Provenance | Qasr Ibrim, West rampart, below Early Christian houses, Level 0; |
| Date | Meroitic (c. AD 100-200); |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | Length: 18.4 cms (c 19 cms if not bent); Width: 11 cms; |

Remarks *Measurements from find card. It is without a doubt that the shoe is Roman;*

Bibliography *Van Driel-Murray (2001: 353-355, 362-363);*

Description (according to find card)

[Insole] of [shoe]. Stitch holes all around, for attachment to [treadsole]. Fragments of leather stitches, width 0.4 cms, in several. 7 holes in centre of sole, arranged 1, 2, 2, 2. Presumably from hobnails fixed in [treadsole]. All these in first 9 cms from front. All around sides are tie-projections, 6 cms (front) to 10 cms (back) in length. These are not symmetrically arranged, but reflect the fact that it is a right foot [shoe]. All are integral with the sole, i.e. the usual profligate use of leather. First projection on right is close to front, and the 2 parts are 2 cms apart. There is then a 5 cms gap to the next on the right; altogether 5.5. These then survive on the right. First on left is also at the front, 2.5 cms to next; altogether 6.5 survive on the left. Many are broken. Complete ones show [rounded] ends and [square] ends. Note one of the left ones pulled off and was tied on. A rare Meroitic/Roman repair job. Hole in centre rear of surviving area, and rear end is lost. [...]. See also 78.3.21/46 [Cat. No. 95[c]].

Cat. No. 97[c];

Id. No. QI 78.3.27/30;

Collection *British Museum, London;*

Provenance *Qasr Ibrim, South Rampart Street, Section A, Level 3E-F;*

Date *Roman 1 (c. 25 BC-AD 25);*

Type *Not specified;*

Materials *Leather;*

Measurements *Length: 18 cms;
Width: 10 cms;*

Remarks *Measurements from find card;*

Bibliography *Van Driel-Murray (2001: 353-355, 362-363);*

Description (according to find card)

[Backpart], in damaged condition. Of formerly elaborate and well-made high shoe or boot. Cf. 78.3.12/44 [Cat. No. 94[c]] which it closely resembles. Sole and uppers made [from] a single leather piece, bent around and sewn up the back, with small leather stitches – a presumed covering strip is lost; height of back c. 12 cms originally. Large parts of the uppers cut away, to leave long tie projections,

form [...] [tapering with square ends]. The uppermost 1.5 of these sprang from the vertical back. The upper one sprang from the top and 2.5 cms below; the lower one 2.5 cms lower still, then at an angle from the horizontal part of the upper. 2.5 [cms] more than spring from the horizontal, further forward. The longest of all these, 2nd from top, is 13 cms long. Left side ditto, worse preserved. Unusually for these shoes, a large patch has been added on the sole; leather c. 16 x 9 cms. Rectangular sewn below sole with rough leather stitches all round. Small fragment of tie detached.

Cat. No. 98[c];

Id. No. QI 78.3.26/26;

Add. No. *Cam-3600;*

Collection *British Museum, London;*

Provenance *Qasr Ibrim, South Rampart Street, Section A, Level 3B-C;*

Date *Roman 1 (c. 25 BC-AD 25);*

Type *Not specified;*

Materials *Leather;*

Measurements *Height: 11.3 cms;
Width: 11.0 cms;*

Remarks *Measurements from find card;*

Bibliography *Van Driel-Murray (2001: 353-355, 362-363);*

Description (according to find card)

Fragment from [backpart] of shoe. Comprises small parts of left upper and rather larger part of right upper. These meet at a vertical join and are sewn together – original stitches are tiny and do not show, the leather being turned over on the (presumed) inside. There is also a repair 6.5 cms long – apparently the second, since broken fragments of coarse leather stitches show – of large, coarse leather stitches, white in colour. Part of the upper, presumably the lower part, is fairly solid, but the higher part has the characteristic cut-outs of the period, all (as usual) cut from one sheet and not added. One complete though broken tie-projection survives. [Square]-ended and about 11 cms in length. Note also 4 of the characteristic decorative knobs of the period.

Cat. No. 99[c];

Id. No. QI 80.1.23/59;

Add. No. *Cam-3691;*

Collection *British Museum, London;*

Provenance Qasr Ibrim, South Rampart Street,
Level 2B, Lower Cobble Fill;
Date Roman 2 (c. AD 25-100);
Type Not specified;
Materials Leather;
Measurements Length: 12.0 cms;
Width: 11.0 cms;
Thickness: 0.1-0.3 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (2001: 353-355,
362-363);

Description (according to find card)
Fragment of [shoe] sole, probably the upper of two [layers]. Series of tie projections along the sides, stumps only, links this to the type of 78.3.21/47 [Cat. No. 96[c]], which it closely resembles. Probably toe end, though extremity is lost. Row of stitch holes all around sides, with leather stitches surviving, often intact in (presumed) [dorsal] surface, all broken on [ventral] surface. At one point, additional (later?) stitches of sinew alongside. One hole looks very like a hobnail hole. One "split" probably a deliberate cut [...]

Cat. No. 100[c];
Id. No. QI 80.1.31/79;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street,
Level 3A;
Date Roman 1 (c. 25 BC-AD 25);
Type Not specified;
Materials Leather;
Measurements A) Length: 7.4 cms;
Width (exc. ties): 9.5 cms;
B) Length: 14.5 cms;
Width: 7.0 cms;
C) Length: 7.5 cms;
Width: c. 11 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (2001: 353-355,
362-363);

Description (according to find card)
A) [?] B) certainly, C) perhaps, from [shoe] of 80.1.21/121 type [Cat. No. 116[c]]; note that this is an isolated hobnailed sole and does not necessarily point to a particular type of shoe; meant here is 78.3.12/44, Cat. No. 94[c]].

A) Front end complete, detached with a knife. Four ties projections survive, all complete. [Insole] only,

stitch holes around for attachment of [the treadsole], with fragments of stitches of z-spun, s-ply flax, also, right front, a few leather stitches, probably a repair.

B) Right side, central portion. About half the width, of [insole] only. Ties projections survive, rear to front, as follows: - one arm of long (presume spade-ended) tie-projection, stitched through with leather repair remnant, and tied around with tie remnant, thin leather. This one appears to have broken, been repaired, broken again, and tied up with tie instead of having it passed through; - Long, spade-ended. Complete new spade-end (presumably from another [shoe]) sewn on with leather; - Single arm, broken off short. This is a puzzle, the explanation seems to be that the one with new spade-end is actually made from 2 bits that belonged to the adjacent projections; - Round-ended type, end broken off and two arms sewn together with leather; - Stump of one arm of round-ended type. Between spade-ends and round ends, a thin tie springs, broken off at c. 3.5 cms, threaded through and knotted below. This may well be a replacement for a broken tie from the back. Stitch-holes along edge, but also a single hole 2 cms further in, stitch of thick material, probably sinew knotted below. Presumably another repair! A well-tended [shoe]!

C) Separately attached lower sole [layer], complete piece (damaged) with stitch-holes around, probably a heel. A few leather stitches around a torn edge are probably the remnant of a repair.

Cat. No. 101[c];
Id. No. QI 80.2.6/108A, B;
Add. No. Cam-3592 & cam-3563 respectively;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street,
Level 3B;
Date Roman 1 (c. 25 BC-AD 25);
Type Not specified;
Materials Leather;
Measurements A) Each tie c. 17.0 x 1.0 cms;
B) Length: 11.0 cms;
Width: 1.7 cms;
Remarks Measurements from find card.
B) Not illustrated;
Bibliography Van Driel-Murray (2001: 353-355,
362-363);

Description (according to find card)

A) Two pairs of [rounded rectangular-ending tie projections] from the backs of [shoes]. Each pair is from a different [shoe], and is complete with approx[imately] 3.5 cms length of the sewn junction of the rear upper, having been cut off at this point. Stitches are of s-ply flax. Each tie projection has also still attached a fragment of the very thin tie which springs above the thick projections, preserved lengths being between a stump and approx[imately] 7 cms. The ties have been threaded through each other to keep the two pairs together. They presumably represent salvage from a pair of [shoes] for re-use.

B) Single spade-ended tie of same type. Broken off. Note knife-cut across near centre, presumably from when adjacent parts were removed for salvage (A?). [...]

Cat. No. 102[c];
 Id. No. QI 80.2.7/125;
 Add. No. Cam-3636;
 Collection British Museum, London;
 Provenance Qasr Ibrim, South Rampart Street, Level 3C;
 Date Roman 1 (c. 25 BC-25 AD);
 Type Not specified;
 Materials Leather;
 Measurements Length (sole): c. 20 cms (est.);
 Width: 11.5 cms;
 Remarks Measurements from find card;
 Bibliography Van Driel-Murray (2001: 353-355, 362-363);

Description (according to find card)

Central and rear parts of [shoe] of type 80.1.21/121 [Cat. No. 116[c]; note that this is an isolated hob-nailed sole and does not necessarily point to a particular type of shoe; meant here is 78.3.12/44, Cat. No. 94[c]]. Lower sole [layer] lost. [Insole] integral, as always, with tie-projections. Stitch-holes right around back and down surviving edge, with leather stitch-fragments in. Row of slit-holes, also, down centre, but these are all closed and not stitches in them – perhaps never used. Usual arrangement of ties, as far as can be seen, at front end, where 3 fairly pointed ones survive at left front. At rear (now distorted) they are remarkably few. The left rear upper-structure carries only one [...] end[ing rounded-rectangular], thus [...], and on each side there is also just one more high

up (c. 10-11 cms) at the very top of the back. These are also [rounded-rectangular]-ended, c. 11.5 cms long. The back is narrower than usual, only 2 cms between cut-outs at maximum, and clearly never took more ties than this. [Interlocking running stitching] joins the two sides down the back. Stitches are s-ply flax. There is a small ditto repair near the top. A narrow strip of whiter leather has been sewn with leather all along the back, exterior, at the extremity of the heel. An unusual specimen of a common type.

Cat. No. 103[c];
 Id. No. QI 80.2.7/136;
 Cur. Loc. Kept by Cairo at division;
 Provenance Qasr Ibrim, South Rampart Street, Level 3C;
 Date Roman 1 (c. 25 BC-AD 25);
 Type Not specified;
 Materials Leather;
 Measurements Length: 22.0 cms;
 Width: 11.5 cms (both lower soles);
 Remarks Measurements from find card;
 Bibliography Van Driel-Murray (2001: 353-355, 362-363);

Description (according to find card)

Fine quality [shoe], lacking front end. [Insole] integral with uppers as usual. Instead of normal single [layer] below this, there are two of approx[imately] identical size and shape, and one above, making four in all. Sewing is with leather stitches which apparently go right through. It is likely that the [insole] and [treadsole] are a (simultaneous) repair; however, the original stitching is also leather, it appears. Stitches of secondary origin are along both edges and down centre. No traces of hobnails. Wear hole at left rear. Uppers as usual of one piece of leather, [closed with back seam], max[imum] height 12.0 cms. Method of joining was to place a leather strip 1.4 cms wide straight up the back and sew it in place on each half with leather stitches [(interlocking running stitching)]. The centre is then covered by a strip of red leather 0.4-0.5 cms wide, sewn down the centre with tiny stitches of s-spun flax. [...] Later: small-tie piece detached. Two score-marks behind vertical tie-projections, each side, and along each top tie-projection. Rear upper carries two horizontal tie-projections on each side. The upper one is, unusually, pointed-ended; the lower has the usual [...] end. The upper one has a vertical

link between the two arms, with two decorative knobs at the junctions. The lower one on the left is [...] stamped [with a circular motif] [...]. From the rear vertical 1.4 cms wide covering strip, at its top, spring very thin ties (c. 0.3 cms wide). 2 survive on right (each c. 11 cms long) and 3 shorter stumps on left. These ties were not really up to tough wear, nor could they be replaced in the same form. At the top of this strip a tag 2.9 cms long continues it, integral with it. It has decorative cut-outs and a shaped top. From the lower part of the upper spring 2 [...] tie-projections on each side, then 3 pointed-to-round ended. Ahead of them on the left and 2 on right. Presumably others, forward, lost. Note absence of "structure" for rear tie-projections. [?]

Cat. No. 104[c];
Id. No. QI 80.2.10/68A;
Add. No. Cam-3562;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Level 3C;
Date Roman 1 (c. 25 BC-AD 25);
Type Not specified;
Materials Leather;
Measurements Length (uncurled): c. 9 cms;
Width: 0.7 cms;
Remarks Measurements from find card. Not illustrated;
Bibliography Van Driel-Murray (2001: 353-355, 362-363);

Description (according to find card)
A) Tie from [shoe] of type 80.1.21/121 [Cat. No. 116[c]; note that this is an isolated hobnailed sole and does not necessarily point to a particular type of shoe; meant here is 78.3.12/44, Cat. No. 94[c]]. Slim, narrow-ended variant of the spade-ended type. [...]

Cat. No. 105[c];
Id. No. QI 80.2.11/41A-E;
Add. No. Cam-3546;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Level 3D (=7);
Date Roman 1 (c. 25 BC-AD 25);
Type Not specified;
Materials Leather;

Measurements A) 14.0 x 2.7 cms;
B) 9.0 x 1.2 cms (width of spade-end);
C) 6.7 x 0.8 cms;
D) 4.5 x 1.2 cms;
E) Length: 13.0 cms;
Width: 4.0 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (2001: 353-355, 362-363);

Description (according to find card)
Fragments of [shoe(s)] of type 80.1.21/121 [Cat. No. 116[c]; note that this is an isolated hobnailed sole and does not necessarily point to a particular type of shoe; meant here is 78.3.12/44, Cat. No. 94[c]].
A) Part of the "structure" at the lower rear end, retaining one spade-ended tie and decorative features. Note knife-cuts from the removal [presumably].
B) Spade-ended tie;
C) Broken tie and part of (probably) decorative projection;
D) Broken tie and decorated base from which it springs. 2 of the roundels, at least, apparently stamped. [?];
E) Part of mid-edge of [shoe] sole, right side. Three broken ties, and decorative "bud" at base of one of them. Stitch holes in a row, and one stitch of [sic]

Cat. No. 106[c];
Id. No. QI 80.2.12/63;
Add. No. Cam-3601;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Level 3C;
Date Roman 1 (c. 25 BC-AD 25);
Type Not specified;
Materials Leather;
Measurements A+B) Length: 27.0 cms;
Width: c. 10.2 cms;
C) 5.5 x 0.7 x 0.2 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (2001: 353-355, 362-363);

Description (according to find card)
A) Front and B) rear, joining parts of sole of [shoe] of type 80.1.21/121 [Cat. No. 116[c]]. [Insole] – small part lost from left centre. Of [treadsole], only

heel survives. Sewn on with s-ply flax. Largely made in the thickness of the [treadsole]. Unusual feature is evidence of a separately-made [backpart], extending c. 3 cms forward of rear end point, sewn with tiny, neat almost invisible stitches of flax and repaired on right with visible small leather stitches. This was only c. 0.5-0.7 cms high, except in the central 1.5 cms, which rose c. 4 cms. The [backpart] is actually in two pieces, and is oversewn up the back in the same manner as the repair, and with leather, so may also be a repair. From the top of this [backpart] a tie-projection went horizontally to right and left. Other stumps of tie-projections show along both edges. Along both edges, three ties have been re-attached, one (at front) with a thin leather tie and the others (right front and centre left) with z-ply flax. The re-attached front tie is unusual, and probably a home-made job. c. 8 cms long, and of similar leather, it is flat in cross-section; tapers from 1.4 cms wide to a point in which is a needle-eye hole. The one at right front is also unusual, probably made from half a tie, c. 7.5 cms long, 0.3 cms dia[meter], with 2 such holes, 1.3 and 2.0 cms from tip. Tie near left centre is also probably from half a tie, but is re-broken, 8 cms long, and has no (surviving) hole. The 2 ties are attached through holes made in the sole. A second hole near the front, leather scrap in, is probably remains of a second leather-attached tie.

C) Fragment of tie [...] Almost certainly broken from this [shoe]. [...]

| | |
|--------------------------------------|---|
| Cat. No. | 107[c]; |
| Id. No. | QI 78.3.15/107; |
| Add. No. | Cam-3594; |
| Collection | British Museum, London; |
| Provenance | Qasr Ibrim, South Rampart Street, Sections A-B; Level 3; |
| Date | Roman 1 (c. 25 BC-AD 25); |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | Length: 11 cms; Width (sole): 10.5 cms; |
| Remarks | Measurements from find card; |
| Bibliography | Van Driel-Murray (2001: 353-355, 362-363); |
| Description (according to find card) | Single thickness centre fragment of [shoe] sole, probably the lower of 2 [layers]. Shaped sides. Curving forward, two tie-projections on each side, those on left |

preserved to 7 cms, those on right broken off short. One anciently and anciently replaced with knotted strand also now broken off short. Tie projections integral with sole [...]. 2.5-3 cms behind tie projections small decorative knob on each sole edge. Row of widely-spaced stitch-holes down each edge. In one, stitch fragment of flax. These presumably attached an [insole]. 3 holes in a row across the thickness, probably for studs, also another 2.5 cms further back on left and a further one 6.5 cms back on right close to left-hand edge. Behind tie projection an unexplained stitch in leather, perhaps a replacement tie or attempted repair.

| | |
|--------------------------------------|---|
| Cat. No. | 108[c]; |
| Id. No. | QI 80.2.2/89A-C; |
| Add. No. | A = cam-3557; B = cam-3553; C = cam-3267; |
| Collection | British Museum, London; |
| Provenance | Qasr Ibrim, South Rampart Street, Level 3A; |
| Date | Roman 1 (c. 25 BC-AD 25); |
| Type | Not specified; |
| Materials | Leather; |
| Measurements | A) Length: c. 7.5 cms; Width: 0.9 cms; B) Length: 14.2 cms; Height: 6.7 cms; C) Length: [sic]; Width: 3.5 cms; |
| Remarks | Measurements from find card. A) Not illustrated; |
| Bibliography | Van Driel-Murray (2001: 353-355, 362-363); |
| Description (according to find card) | Two fragments from [shoes] of type 80.1.21/121 [Cat. No. 116[c]] and one possibly. A) Slightly pointed tie; B) Fragment of rear, comprising the greatest part of the height at the join, together with the complex structure from which the rear ties spring on left side and a part on right side. Fragment of [treadsole], leather sewn, survives. The stitching (leather) up the back has been inexpertly renewed, leaving trailing ends on exterior; C) Scrap from edge of sole. Leather similar to that of [treadsoles] for this kind of [shoe]. Scrap of z-spun flax stitch. |

Cat. No. 109[c];
 Id. No. QI 80.2.7/95;
 Add. No. Cam-3593;
 Collection British Museum, London;
 Provenance Qasr Ibrim, South Rampart Street,
 Level 3C;
 Date Roman 1 (c. 25 BC-AD 25);
 Type Not specified;
 Materials Leather;
 Measurements Length: 25.8 cms;
 Width: 10.5 cms;
 Remarks Measurements from find card;
 Bibliography Van Driel-Murray (2001: 353-355,
 362-363);

Description (according to find card)
Remains of [shoe] of type 80.1.21/121 [Cat. No. 116[c]]. Right foot. Most survives of both [sole layers]. The [insole] retains small pieces of 5 ties. One of these, at left front, broke and was re-attached in antiquity with a small length of s-ply flax. At furthest point at rear, another piece of flax, this one z-ply, tied in a loop 3.5 cms dia[meter], passing through a small hole 0.7 cms from rear edge. Purpose of this not clear [...] but it proves the back was anciently lost.

Cat. No. 110[c];
 Id. No. QI 78.3.12/35;
 Add. No. Cam-3599;
 Collection British Museum, London;
 Provenance Qasr Ibrim, South Rampart Street,
 Sections A-B, Level 3;
 Date Roman 1 (c. 25 BC-AD 25);
 Type Not specified;
 Materials Leather;
 Measurements A) Length: 16 cms;
 Width: 11 cms;
 B) Length: 11 cms;
 Width: 8 cms;
 Remarks Measurements from find card;
 Bibliography Van Driel-Murray (2001: 353-355,
 362-363);

Description (according to find card)
Front (A) and rear (B) fragments of [...] [shoe]. Left foot. [Single layer sole]. All around, fairly close to rim, are broken stitches of s-ply flax. These are sewn in such a way as to travel for some part inside the thickness of the leather. They also appear both above and below. The breaks are mostly below, so they prob-

ably attached a [treadsole]. Rear of sandal is cupped. A longitudinal V-cut c. 3 cms long was then sewn up with tiny stitches of (s-ply flax) [added in pencil: identification to be confirmed]. The back is continued upwards, as a single piece of leather, for 3 cms, as a shaped support for the back of the ankle. 2 Further projections 6 cms long continue from the top. These are stems 0.3 x 0.2 cms and terminate in discs dia[meter] 0.9 cms. These presumably stood upright on either side of the ankle. One is now detached. The edges of the rear part of the sole are wavy [...], distances between preserved crests being 3 cms and (2.5 cms to a break near crest). To these crests are attached round stems (dia[meter] 0.3 cms, complete survivor 3 cms long) whose other ends are attached to another such which runs along each side. On the left, one complete stem survives; on the right, 2 broken ones, and the running stem continues towards an assumed 3rd. Note that the stems are all integral with the sole, achieved by cutting out the intervening leather and then somehow rounding the stems. At the front, the arrangement is different. The edges of the sole are regular and rounded in the conventional way. However, at intervals of about 2 cms there spring ties. These are double stems, the total width of the pair being c. 0.8 cms. Length is variable around 5 to 6 cms, for the final 1 cm of which they rejoin to make a solid end, in which is a small hole. 3 are preserved, in whole or in part, on each side, and the stub of a 4th on each side, one of which also survives, detached. Again, these are all integral with the sole. Probably there [were] no others. They passed over the top of the foot and must have been united by a thin tie (the holes are only 0.3 x 0.1 cms). The two sole fragments do not join and it is not possible to tell whether there was a tie across in front of the ankle. Note the very wasteful use of leather. An expensive as well as attractive item.

Cat. No. 111[c];
 Id. No. QI 80.2.3/48;
 Add. No. Cam-3699;
 Collection British Museum, London;
 Provenance Qasr Ibrim, South Rampart Street,
 Sections D, Level 3B;
 Date Roman 1 (c. 25 BC-AD 25);
 Type Not specified;
 Materials Leather;

Measurements A) Length: 16 cms;
Width: 11 cms;
B) Length: 11 cms;
Width: 8 cms;
Remarks *Measurements from find card;*
Bibliography *Van Driel-Murray (2001: 353-355, 362-363);*
Description (according to find card)
Fragment of round-tie [shoe] of type 80.1.21/121 [Cat. No. 116[c]]. Front end, [insole] fragment. Two ties survive from left side front, round-ended. At base of one a stitch-fragment of flax. Attached nearby [...] a scrap of the [treadsole] survives, attached by a leather stitch which is probably a repair.

Comparative Material: Hobnailed Soles

Cat. No. 112[c];
Id. No. QI 78.3.2/20;
Add. No. Cam-3527;
Collection *British Museum, London;*
Provenance *Qasr Ibrim, South Rampart Street, Sections A-B, Level 3;*
Date *Roman 1 (c. 25 BC-AD 25);*
Materials *Leather;*
Measurements *Length: 12 cms;*
Width (min.): 6.9 cms;
Width (max.): 9.1 cms;
Remarks *Measurements from find card;*
Bibliography *Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);*

Description (according to find card)
Central part of a sole of a shoe [...]. Single thickness of leather. Parallel to the edges and about 0.9 cm from them run two rows of holes, irregular but averaging 1-1.5 cms. apart. Through them run (broken) stitches of S-ply flax to take a second thickness. This technique noted ones before, this season: 78.2.28/5. On the [ventral surface], hobnails. These are of iron. Some are more worn than others, but none is very greatly worn, and the design appears to be standard. The nails are conical, round, dia[meter] c. 1.4 cms. Pattern of nails and nail marks below: Central shank c. 0.7 cm beyond nail (not known if nail section [...] or [...]). Thus it projects above the first leather thickness [treadsole] which surely proves the existence of the second [insole]. [...]

Cat. No. 113[c];
Id. No. QI 78.3.19/105;
Add. No. Cam-3522;
Collection *British Museum, London;*
Provenance *Qasr Ibrim, South Rampart Street, Level 1B;*
Date *Roman 2 (c. AD 25-100);*
Materials *Leather;*
Measurements *Length: 17.8 cms;*
Width: 6.4 cms;
Remarks *Measurements from find card;*
Bibliography *Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);*

Description (according to find card)
Left rear part of [shoe] sole. Probably the [treadsole of two-layer sole]. On underside are the marks of 12 hobnails, none of which survives. The holes go right through, which must surely imply an [insole]. A row of 3 holes at an angle across the back, and a pair of holes managed within the thickness along the edge are probably signs of the attachment. At rear left corner 2 other holes close together hold a leather fragment which could also be a stitch but is more probably a tie. [...]

Cat. No. 114[c];
Id. No. QI 78.3.26/24;
Add. No. Cam-3509;
Collection *British Museum, London;*
Provenance *Qasr Ibrim, South Rampart Street, Section A, Level 3B-C;*
Date *Roman 1 (c. 25 BC-AD 25);*
Materials *Leather;*
Measurements *Length (pres.): 16.3 cms;*
Width (pres.): 7.5 cms;
Remarks *Measurements from find card;*
Bibliography *Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);*

Description (according to find card)
Rear part of left shoe sole. [Two layers] of leather. These are sewn together with leather stitches all around, in a line straight down the middle and in two flanking lines from the back for 8 cms only. The edge stitches are all broken at the top so there was another attachment, probably a shoe upper rather than a 3rd sole [layer] because of the signs of wear on the present [dorsal surface]

of the insole] and no tie signs. On [ventral surface of treadsole] 3 hobnails survive, and the marks of 10 more, dia[meter] 1.4-1.5 cms. These are arranged to cover the heel section (one rear 9 cms), and one is close to the break, in the middle. Holes show that several came through the [midsole] – so perhaps there was a 3rd [sole layer] and it took the ties. There may have been a line of leather stitches also across the sole, at the break.

Cat. No. 115[c];
Id. No. QI 78.3.26/27A;
Add. No. Cam-3528;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Section A, Level 3B-C;
Date Roman 1 (c. 25 BC-AD 25);
Materials Leather;
Measurements Length: 13.0 cms;
Width: c. 9.5 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)
A) Lower of two [sole layers]. Central area only, and that is damaged. A row of stitch holes along each side, in some of them remains of stitches of s-ply flax. These are within the thickness and above, not showing below, and were for an [additional sole layer]. Hobnail marks on [ventral surface], in rows of 3 across the sole – 2 rows, then 4.5 cms gap, then 2 more rows, of the 2nd of which only 2 marks survive. Hobnail dia[meter] 1.4-1.5 cms. [...]

Cat. No. 116[c];
Id. No. QI 80.1.21/121;
Add. No. Cam-3630;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Section D, Level 2A Upper Cobblestone Fill;
Date Roman 2 (c. AD 25-100);
Materials Leather;
Measurements Length: 8.9 cms;
Width: 6.6 cms;
Thickness: 0.2 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 132-

133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)
Heel of [shoe]-sole, cut from remainder with a knife. Around the edge runs holes in the upper part of the thick leather only, not showing below (a common Roman technique), in which survive remnants of stitches of sinew or very coarse flax. These were for attaching another [sole layer]. On [ventral surface] marks of 5 hobnails and 2 possible others, with square central holes, dia[meter] 1.6 cms. Note these run along centre and one side only (right side when sole correct way up).

Cat. No. 117[c];
Id. No. QI 80.1.31/85;
Add. No. Cam-3701;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Level 3A;
Date Roman 1 (c. 25 BC-AD 25);
Materials Leather;
Measurements Length: 26.8 cms;
Width: 10.5 cms;
Combined sole thickness: c. 0.9 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)
A) [✂] B) Two joining fragments of a left-foot, very thick, heavy, [two sole layers] (at front and rear ends, a [midsole] is sandwiched in, to take the hobnails) shoe sole. Virtually complete but for wear-holes under ball and heel. Note characteristic [wavy pattern] shaping at front end, though less marked than usual. [...] [Sole layers] joined by three longitudinal lines of leather stitches in central area, stitches made at an angle so as to be small both [at the insole and treadsole]. Continuous line of stitching all around the edge fulfils the same function, but since all the stitches here are broken on top it is assumed they also attached uppers. They are also much shorter, befitting stitches with 3 [layers] to pass through. [Ventral] surface of treadsole] is closely patterned with hobnail marks, dia[meter] (as usual) about 1.5 cms. Part of the [treadsole] is lost, but there survive 3 [hobnails] on rear edge, three more down left rear edge, 8 on ball

of foot (left side) and at least 4 at front end. 2 retains shanks. A very sturdy, heavy, shoe. [...]

Cat. No. 118[c];
Id. No. QI 80.2.6/121A-C;
Add. No. A = cam-3681; B = 3680; C = 3256;
Collection British Museum, London;
Provenance Qasr Ibrim, South Rampart Street, Level 3B;
Date Roman 1 (c. 25 BC-AD 25);
Materials Leather;
Measurements A) Length: 15.7 cms;
Width: 9.5 cms;
B) Length: 7.3 cms;
Width: 6.4 cms;
C) Length: 9.2 cms;
Width: 5.8 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)

A) [...] Central part of [two-layer] sole for right foot. Both [layers] stout leather. Original rows of stitch-holes along centre and both edges, fragments of leather stitches in. Also larger holes and larger stitches along edges only, probably a repair. [Ventral surface of the treadsole] (much damaged) retains impressions/holes from several hobnails. Discernible pattern (from below) [...] Hobnail impressions 1.4-1.6 dia[meter].

B) Heel end of similar but unusually small sole, [treadsole]. Even allowing for slight curling, remarkably narrow and would be thought a child's, but for hobnail impressions. [...] Probably not a separate heel but broken off. Stitch holes with leather stitch-fragments all around edges, down centre, and in line parallel to edge thus [...] [Ventral surface] shows hobnail impressions (dia[meter] 1.1-1.3 cms, unusually small) thus clustered very thickly.

C) Fragment, probably from centre part of similar sole. Stitch holes with leather stitch-fragments and one sinew stitch. No other features. [...]

Cat. No. 119[c];
Id. No. QI 80.2.7/132A;
Add. No. Cam-3602;
Collection British Museum, London;

Provenance South rampart street, Level 3C;
Date Roman 1 (c. 25 BC-AD 25);
Materials Leather;
Measurements Length: 20.5 [cms];
Width: 9.1 [cms];
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)

A) [Treadsole] probably from shoe of type 80.1.23/64(?) [Cat. No. 79[c]]. Complete but for damage at rear. Right foot. All around edge, in leather thickness, stitch fragments of flax. [Ventral surface] retains 13 hobnails, rather corroded, usual type, dia[meter] 1.1-1.3 cms, and impressions of about 30/31 others. Very thickly clustered everywhere except under arch. [...]

Cat. No. 120[c];
Id. No. QI 84.1.21/28;
Cur. Loc. Egypt;
Provenance Qasr Ibrim, Pit 928, Level 9;
Date Meroitic 1 (c. AD 100-200);
Materials Leather;
Measurements Length: 11.0 cms;
Width: 9.3 cms;
Remarks Measurements from find card;
Bibliography Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)

Front end of Roman military [shoe]. Two [...], probably identical, leather sole [layers], sewn together with fairly long leather stitches which go through to [ventral surface of the sole]. They run around [the edge] and across near break. That these are secondary is suggested by their crudity and the fact that they show above [...]. That they joined only these two is proved by their being unbroken above and by the stud impressions below. A remnant of sinew(?) is probably an original stitch. Semi-circle of stitches of s-ply flax shows there was a patch below (lost). On [ventral surface] impression marks of studs, dia[meter] 1.1 cms.

Cat. No. 121[c];
 Id. No. QI 85.12.20/335;
 Cur. Loc. Egypt;
 Provenance Qasr Ibrim, 1043 room, Level 1;
 Date Roman;
 Materials Leather;
 Measurements 8.7 x 6.5 cms;
 Remarks Measurements from find card;
 Bibliography Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)
 [...] Fragment of stout leather (0.2-0.25 [cms]). Impres[sions] of 7 studs of dia[meter] 1.1-1.3 cms tunnel stitched around the original edge, thick stitches of flax, unravelled. Legionary [shoe] fragment, [treadsole]. [...] Stitches and tunnels 10.-2.0 cms long, shortening at curve.

Cat. No. 122[c];
 Id. No. QI 89.12.28/56;
 Cur. Loc. Egypt;
 Provenance Qasr Ibrim, 12.028;
 Date Roman;
 Materials Leather;
 Measurements A-F) Length 12.6 cms;
 Width: 9.0 cms;
 G) Length: 3.4 [cms];
 Width: 1.4 cms;
 Remarks Measurements from find card;
 Bibliography Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)
 [...] A-F) Join to make central area of [shoe] sole. G) is small detached piece. Probably same sole. Fairly stout [...] leather, single [layer]. Retains on [ventral surface] pattern of hobnails. Each approx[imately] circular, dia[meter] 1.3-1.5 cms, hole in centre [illegible] from shank. One holds stump, corroded. Brittle from exposure to water, the reason it broke up. However, full width is preserved. Along the edges, upper surface, longitudinal tunnel-stitch holes; no stitches survive. [...]

Cat. No. 123[c];
 Id. No. QI 89.12.31/19;
 Cur. Loc. Egypt;

Provenance Qasr Ibrim, 12.031;
 Date Roman;
 Materials Leather;
 Measurements A+B) Pres. length: 10.7 cms;
 Pres. width: 3.7 cms;
 Remarks Measurements from find card;
 Bibliography Van Driel-Murray (1999a: 132-133; 1999b: 169-180); Leguilloux (2006); Volken (2011);

Description (according to find card)
 Two joining fragments of [shoe] sole. Single, medium thickness leather sole. One fragment (A) retains a complete hobnail (dia[meter] 1.6 cms) and several impresses from others; joining fragment (B) has small part of one. The survivor is domed, almost certainly hollow headed, probably square shanked, and considerably corroded. Along the surviving edge, tunnel-stitch holes; no stitches survive. [...]

Discussion

Finds originating from the Roman provinces as well as the European mainland clearly demonstrate that the Romans took their own technology with them as well as shoe and sandal types. Many examples of the Roman footwear so well known from Europe can also be found at varied sites, such as Qasr Ibrim and Didymoi. A good example are the so-called Mainz boots from Qasr Ibrim described here, which equal those from Velsen and Mainz (Van Driel-Murray, 2001: 363-364). As mentioned by Van Driel-Murray (*Ibidem*: 364) the use of a tongue is rather exceptional (this is, however, also exceptional in Egyptian footwear), while the use of tunnel stitching is not seen before Roman times. Note that, although other categories of Roman footwear have been noted from Didymoi (Leguilloux, 2006) and Mons Claudianus (Winterbottom, 2001), they did not include boots of the kind described in the present work nor *carbatinae*. A more detailed analysis of the leatherwork from Qasr Ibrim during the Pharaonic period to the age of Christianity is forthcoming (Veldmeijer & Van Driel-Murray).

Montembault's Classe IV, Type B, Variant 2

Cat. No. 124;
 Inv. No. CM 11395;

| | |
|---------------------|---|
| <i>Provenance</i> | Deir al Koseir (1964); |
| <i>Date</i> | Christian or later; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 115; Width: 37.5; Height: appr. 66; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Bibliography</i> | Montembault (2000: 159-171); cf. Veldmeijer (2013b: 90-95); |

Description

Near complete child's shoe with foot still *in situ*. The sole consists of one layer: the heel is rounded and the waist slightly constricted. From the waist, towards the front, the width increases, ending in a pointed toe part.

The upper, consisting of one layer too, is one piece that must have been closed at the back, but the heel part has torn off halfway the sides. The vamp has a centrally positioned, triangular instep flap. The upper is secured to the sole by means of a lengthwise folded rand and running stitches (flax?).

| | |
|---------------------|---|
| <i>Cat. No.</i> | 125; |
| <i>Inv. No.</i> | CM 2162; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Sole: Length: 240; Width heel: 64; Width waist: 51; Width front: 83; Height heel: 60; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Bibliography</i> | Montembault (2000: 159-171); cf. Veldmeijer (2013b: 90-95); |

Description

A near complete shoe with a one-layer sole. The heel is rounded and the waist is distinctly but elegantly constricted. From here, the width towards the front increases almost equally at either side. The sole can therefore be seen as straight.

The upper is one piece that consists of one layer, fairly thick leather. It is closed with a back seam, which include a passepoil, decoratively shaped in what resembles a running spiral. The upper is secured to the sole by means of interlocking running stitching directly onto the sole. However, between the heel and the upper a reinforcement sole patch

is inserted. The front instep edge has a decorative clover-shaped protrusion, pointing about 35 mm into the instep. It is not entirely clear if it was cut integrally from the vamp's leather or added as a separate piece to it, but probably it is the latter. The anterior instep edge has a double edge binding in different colours: the innermost is reddish-brown, but the outer one is black. The inner one extends, at the sides, until approximately halfway the length of the instep; the outer one continues along the entire instep. It is not clear whether the edge binding continues as passepoil in the back seam, as is often the case.

The vamp as well as the sides are embellished with gold foil in lines and squares/rectangles, but due to incompleteness of the vamp, the exact design is not possible to identify.

| | |
|---------------------|---|
| <i>Cat. No.</i> | 126; |
| <i>Inv. No.</i> | CM 2173; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian; |
| <i>Materials</i> | Leather, flax; |
| <i>Measurements</i> | Length: 230; Width heel: 53; Width front: 83; Height heel: 60; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Bibliography</i> | Montembault (2000: 159-171); cf. Veldmeijer (2013b: 90-95); |

Description

The shoe is broken in two, but near complete nonetheless. The heel is rounded and the waist, although incomplete, is distinctly but elegantly constricted. From here, the width towards the front increases almost equally at either side. The sole can therefore be seen as straight.

The upper is one piece that consists of one layer, fairly thick leather. It is closed with a back seam, which include a passepoil. This element probably consists of a lengthwise-folded strip of leather, which is sewn in the seam. However, exactly how remains unclear. The heel has an ingot-shaped, vertical protrusion (cf. MM30886 in the Stockholm collection [also for the cutting pattern], Veldmeijer, In Press b).

The upper is, at one side, detached from the sole, allowing vision of the inside of the shoe. It shows leather reinforcement patches of the vamp and sole

that must have been glued to the inside of the upper by absence of stitching. The upper is secured to the sole by means of interlocking running stitching of flax thread directly onto the sole. However, between the heel and the upper a reinforcement sole patch is inserted. The front instep edge has a decorative circular protrusion, pointing about 35 mm into the instep. It consists of various strips of leather, folded lengthwise, that are coiled and held together by two edge bindings: the innermost one continues as edge binding around the entire instep, which is secured with flax whip stitches.

The vamp as well as the sides are embellished with gold foil: at the vamp, a wide, three-pointed crescent is situated close to the instep. A narrow line is positioned between it and the edge proper. In between the toe of the shoe and the decoration, embroidery is added in a circle around a floral motif. The embroidery is made of flax thread. A wider and narrow line of gold foil decoration continues along the sides, shortly below the instep, towards the heel, where it continues down, flanking the back seam at either side.

| | |
|---------------------|--|
| <i>Cat. No.</i> | 127; |
| <i>Inv. No.</i> | CM 2155 (-1 & 2); |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian; |
| <i>Materials</i> | Leather, flax; |
| <i>Measurements</i> | (2155-1/2155-2): Length: 260.0/255.0; Width heel: 63.5/58.6; Width waist: 56.7/55.7; Width front: 88.8/87.8; Height heel: 50.2/77.2; Length vamp: 102.0/100.5; Thickness sole at heel: 4.8/6.8; (2155-2): Width edge binding: 4.3; Thickness edge binding: 22; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Montembault (2000: 159-171); cf. Veldmeijer (2013b: 90-95); |
| <i>Description</i> | Largely complete pair of shoes of red leather with detailed decoration in gold leaf and flax thread. The sole has a rounded heel and a narrow waist. From here, the width increases distinctly and equally at either side, ending in the fairly pronounced pointed front. |

The result is a straight sole. The sole consists of one layer, although at the heel, a layer is added between it and the upper, which function was to reinforce the heel.

The upper, consisting of one piece that is closed with a back seam, which includes a decoratively folded ('S-shape curves') passepoil, has a lining. The large open instep has a small vamp extension; the edge at either side runs concave towards the sides, which are fairly low. Towards the heel the sides increase in height; at the heel, the height increases distinctly, resulting in narrow backpart extension, further emphasised by the even longer passepoil. Note the reinforcement of the heel at the inner side of the shoe, which is included in the sole seam. The edge binding of one shoe is lost; it is completely detached in the other. It consists of the lengthwise folded strip of leather, that must have been secured to the upper's edge by means of whip stitches. The front edge has a double edge binding in different colour: the black continues as binding of the entire edge whereas the yellow one, which still has remnants of gold foil *in situ*, extends to the sides only. A flower-like element, consisting of a central coil and surrounded in a wavy way with the binding proper, adorns the vamp's extension.

The centre of the vamp is enhanced with embroidery that takes the form of a floral motif; it is made with beige sZ₂(?) flax thread, with accents in green, surrounded by a circle that is made by sZ₂(?) flax threads that are sewn diagonally. A gold foil triangle is added between this motif and the tip of the shoe proper. The edge along the instep is decorated with a narrow line, followed by a much wider band, both of gold foil. At the heel, it runs at either side of the back seam towards the sole.

Comparative Material

| | |
|---------------------|--|
| <i>Cat. No.</i> | 128[c]; |
| <i>Inv. No.</i> | EA 53917; |
| <i>Collection</i> | British Museum, London; |
| <i>Provenance</i> | Antinoopolis; |
| <i>Date</i> | Byzantine/Early Islamic; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length sole: 215.0; Width heel: 41.5; Width front: 66.5; Height heel (appr.): 48; |

| | | |
|--------------|--|--|
| | Length vamp: 105.0; Diameter decoration patch: 47.0 x 60.0; | sewn motifs: tiny X-motifs along the appliqué's side and top edge and larger double diamonds and star-like motifs along the front edge of the upper. |
| Remarks | The notation of date is different in the relevant publication: in the present work no distinction is made between Byzantine and Islamic Period; | |
| Bibliography | Montembault (2000: 159-171); Veldmeijer (In Press a); cf. Veldmeijer (2013b: 90-95); | |
| Description | <p>The single layer sole has a rounded heel and constricted waist. Towards the front the width increases at both sides, but the lateral side far more strongly, resulting in a swayed sole. The strong convex lateral edge curves towards the distinctly pointed toe.</p> <p>The one-layer-upper is edged with a small, lengthwise folded strip of red leather, which is secured by means of whip stitching. At the front, extending roughly along the front half of the instep, another strip has been inserted, folded lengthwise too, making a clover-shaped decoration pointing into the instep together with the edge binding that runs along the entire instep and a core made of the upper's leather. At the back, the left edge binding runs between the sides of the upper, forming the back seam. The upper is secured to the sole with interlocking running stitching of flax, and include a rand (lengthwise folded strip inserted with the fold outwards).</p> <p>At the heel, a small oval piece of leather is situated between the rand and upper. Although tempting to identify these patches as repair, the fact that often in shoes with comparable elements the original leather is not worn (this seems to be the case here too, but the shoe is hard and brittle and can not be opened to study the inside without conservational care) suggest that it is a reinforcement patch to prevent too quick wearing of this relatively fragile part of a shoe. Note the patch at the inside of the right back part of the upper.</p> <p>At the front upper, a cut out 'heart' in red leather has been secured with decorative cross-stitching of z-spun flax. The inner side of this appliqué has a cut out motif of circles and tapering lines, the latter of which roughly follow the outline of the appliqué proper. The appliqué is further secured with running stitches along the edges of the tapering lines. It is flanked by</p> | |
| | Cat. No. | 129[c]; |
| | Inv. No. | EA 4416; |
| | Collection | British Museum, London; |
| | Provenance | ? |
| | Date | Christian; |
| | Materials | Leather; |
| | Measurements | Length: 250.0; Width heel: 75.0; Width front: 91.0 Width waist: 67.5; Height heel: 70.0; |
| | Remarks | -; |
| | Bibliography | Montembault (2000: 159-171); cf. Veldmeijer (2013b: 90-95); |
| | Description | <p>Elaborately decorated shoe with a sole that consists of one layer. It has a rounded heel, at the waist slightly constricted, after which it expands at both sides towards the front, ending in a centrally positioned tapering front part. The sole is, therefore, straight.</p> <p>The upper has a lining and is secured onto the sole by means of a lengthwise folded rand. It consist of one piece, which is closed with a back seam, including a lengthwise-folded passepoil. This passepoil is an extension of the edge binding, which is a separate, fairly wide strip that is folded over the edge and secured with tiny interlocking running stitching of flax.</p> <p>The front part of the upper has a large circular appliqué, consisting of an embroidered centre with a four-part flower around it, bordered by a strip of leather woven through slits. Following is a band with wavy-line embroidery, set between a line of embroidery stitching. The back of the heel has two vertical series of three circular cut-outs. Inside the shoe is hair, but it remains uncertain whether this is part of the shoe or not.</p> |
| | Discussion | |
| | See Veldmeijer (2013b: 74-124) for a more detailed discussion on these and comparable shoes, discussed below. | |

Montembault's, Classe IV, Type B, Variant 3

| | |
|---------------------|--|
| <i>Cat. No.</i> | 130; |
| <i>Inv. No.</i> | CM 2159; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | (Left/Right) Length: 245.0/240.0; Width heel: 60.2/65.3 (folded edges); Width waist: 63.1/70.0; Width front: 85.0/90.5; Height heel: 46.1 (but incomplete)/50.0; Length vamp: 180.0; Thickness sole: 2.0/2.8; Width edge decoration: 28.7/27.1; Thickness leather upper: 1.4/2.0; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Montembault (2000: 159-171); Veldmeijer (2013b: 90-95); |

Description

The pair is in fairly good condition, although the upper and sole in the right one are detached. The left shoe is warped and one side of the upper is detached from the heel. The single layer sole has a rounded heel; the waist is mildly constricted. From the waist towards the front the width increases at both sides, terminating in the front part with a gentle curvature and resulting in a straight sole.

The single layer upper consists of one part, which is closed with a back seam. Exactly how it was secured to the sole is uncertain, but possibly simply by means of running stitching. Remnants indicate stitching is done with flax thread. The sole seam includes a lengthwise folded rand. The back seam includes a passepoil; it is closed too with running stitching(?). The inner side is reinforced with a heel stiffener over the whole surface of the heel; at the outside, however, a 'semi-circular' heel stiffener is included in the sole seam and extends only 10 mm above it. The vamp has a large extension that inserts into the instep. Although pointed, the terminal end is an oval patch (23.8 x 30.8 mm), all cut from the same sheet of leather. There is no edge binding although at some places the edges are just folded without being secured. The sides of the

extension run diagonal, but without curvature towards the sides. The corners between the front edge of the instep and the side edge are reinforced with a strip of leather that is folded over the edge proper. It is secured with interlocking running stitching that is made with flax sZ(?) thread.

The upper is enhanced by scraping away the uppermost surface, resulting in a simple pattern, but due to the different colour (red with light brown where the surface is scraped away) the effect is pleasing. The sides and the back have lines along the instep; four lines run vertical at the heel flanking the back seam. The vamp, following the edge of the extension, is enhanced with a band of lines and double trapezoidal motifs. The large oval decoration at the front of the vamp, also made by scraping away, consists of a combination of lines, ovals and triangles (total length, but with deformation of the front of the shoe: 81.5 mm; total width: 82.8 mm).

Discussion

As with 'Montembault's Classe IV, Type B, Variant 2'.

One-Piece Shoes

| | |
|---------------------|---|
| <i>Cat. No.</i> | 131; |
| <i>Inv. No.</i> | CM 3304; |
| <i>Add. No.</i> | N 27; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | Christian; |
| <i>Type</i> | Type A; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 185; Width heel: 46; Width front: 64; Height heel: 52; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Description</i> | |

Near-complete shoe, of which the sole and upper are made of one piece of fairly thick leather. It is closed with a seam lengthwise along the sole and the heel, which is secured with running stitches of leather(?). The edge at the instep is folded as a simple sort of edge binding; it is unclear whether or not it is secured with stitching but the line shortly below the edge could be due to stitching. The heel is relatively high, whereas the sides are low and

the vamp rather short: thus the instep is very open and of the foot only the tips of the toes would have been covered together with only a small part of the side of the foot.

Comparative Material

Cat. No. 132[c];
 Inv. No. EA 32604;
 Add. No. Reg. No.: 1900,0609.117.b;
 Collection British Museum, London;
 Provenance ?;
 Date Coptic;
 Type Type A;
 Materials Leather, gold, cotton;
 Measurements *Measurements of left shoe.*
 Length total: 240.0;
 Width heel: 52.0;
 Width front: 78.5;
 Thickness upper/sole at edge: 4.2;
 Height upper at heel (appr.): 53.5;

Remarks -;

Description

Pair of low shoes with elaborate decoration. Uniform with small heel and in width towards the front increasing. The instep is large and occupies almost the complete upper part: only few centimeters of the toes were covered by the vamp. The back is quite high; the height of the sides of the upper decrease towards the vamp. The upper and sole are of one piece or fairly thick leather that is sewn at the treadsole lengthwise down the centre. Inside the shoe, a thin insole is attached to the folded edge of the upper (by means of whip stitches), which thus obscures the sole seam.

The outer upper is decorated with cut out and gilded leather figure-strips along the edge. Three different geometrical figures: at the vamp, at the heel and at the sides. Red/beige/blue/green cotton tassle at the front of the vamp.

Cat. No. 133;
 Inv. No. CM 11963;
 Provenance ?;
 Date Christian;
 Type Type B, Variant 1
 Materials Leather;
 Measurements Length: 240.0;
 Width heel: 62.7;

Width waist: 81.1;
 Width front: 61.8;
 Height heel: 52.8;
 Length vamp: 69.0;
 Thickness leather: 4.0;
 Width edge binding: 4.5-10.4;

Remarks

Due to conservation interventions, detailed comparison and discussions have not been undertaken;

Description

A complete shoe that is made of one sheet of leather, resulting in a boat-shaped shoe with a wide instep. Although it seems well preserved, the redbrown colour is due to painting. There is no indication for the left or right foot. The leather is cut in at the opposite sides and the sides are folded towards the middle, thus creating a seam lengthwise at the vamp and at the back. Both seams include a passepoil. There is a separate lining, which is not included in the binding. Sandwiched between these two is a textile fabric. The instep is finished with an edge binding, which is fairly irregular in width. The binding is a lengthwise folded strip of leather that is secured to the upper with whip stitching, the fold facing outwards. At the heel, the left end of the binding forms the passepoil in the back seam; the other falls short. The passepoil in the vamp's seam is a separate piece.

Cat. No. 134;
 Inv. No. CM 3315;
 Provenance ?;
 Date Christian;
 Type Type B, Variant 2;
 Materials Leather;
 Measurements Length: 190.0;
 Width heel: 40.2;
 Width front: 33.2;
 Height heel: 64.0;
 Length vamp: 66.6;
 Thickness upper: 1.3;

Remarks

-;

Description

A narrow shoe with a large instep. The shoe, viz. the sole and upper, is made of one piece of leather (single thickness) that is cut in at two opposite sides and folded inwards. The heel is substantially higher than the sides and has a straight dorsal edge. At ei-

ther side, in the front upper corner, is a diamond-shaped cut out to enhance the shoe. The seams are closed with interlocking running stitching, which are made of zS₂ flax thread, at the outside of the shoe (dorsal surface of the vamp and as a back seam). In both cases, the seam is closed with a passepoil. Note the strange, triangular flaps at the ventral surface of the heel. These seem to have been left/added to make a second layer at this part of the shoe, as this part is prone to wear. Cut out from the same piece of leather are two rectangular extensions at either side, at the front of the instep. These extensions have big slits through which a narrow lace is pulled to close the shoe partially and keep it better attached to the foot. The lace inserts through holes in the vamp too, close to the anterior edge of the instep.

Discussion

One-piece shoes get a more distinct shape by shaping on a mould. Wearing shaped the shoe even more to the foot, through which it is often (not always) possible to distinguish left from right. The difference between the Coptic Museum shoe and the example in the collection of the British Museum is the addition of an insole and the elaborate decoration: CM 3304 (Cat. No. 131) only has a line shortly below the instep, which might be seen as decoration, but which possibly is due to the sewing of the folded edge with stitching (personal observation Fustat finds, see Veldmeijer, In Press c). The dating of the pair from the British Museum to the Coptic era is based on the gold foil decoration, which was a popular way of decorating shoes in this period (see also Smalley, 2012).

The main difference between CM 11963 (Cat. No. 133) and the previous discussed one-piece shoe (CM 3304, Cat. No. 131; Type A) is that here, the sole has no seam: the shoe is closed as the heel and the vamp. In Type A, however, a seam runs over the entire sole and heel, but the vamp is one piece. There are several examples of Type B shoes known from Fustat (such as 6630/1, 2, 3 and 6589).

Shoe CM 3315 (Cat. No. 134) has no parallels among the footwear studied by the AEF. The extreme narrow shape suggests that possibly the shoe was actually made for the tomb or special occasion, rather than daily wear. This is further supported by the lack of wear on the sole.

Note on Classification

The classification here is new as comparable shoes has not been included in previous publications, such as that of Montembault (2000). Since the AEF prefers to give names to categories, rather than numbers or letters, the name preferred here clearly describes the most important character: the sole and upper are made of one piece. Besides Type A, another type can be distinguished, which can further be divided in Variant 1 and 2. Even more Types are known from Fustat, the analysis of which are being worked on and will be published in the near-future (but for examples see Veldmeijer, In Press c).

The fact that there is a seam at the vamp and back clearly warrant a classification as Type B. However, this unique shoe differs from Variant 1 in several ways, hence a classification as Variant 2: the seams are turned outwards and include a passepoil. The overall shape of the shoe is extremely narrow and elongated. Moreover, the cutting pattern includes the two extensions, on either side, that takes laces, a feature usually not seen in Type A and B of One-Piece Shoes.

Category 'Inserted Decoration'

| | |
|---------------------|---|
| <i>Cat. No.</i> | 135; |
| <i>Inv. No.</i> | CM 10359; |
| <i>Provenance</i> | Qarare? (see Nauerth, 2011: 149); |
| <i>Date</i> | Christian; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | ('left'/'right') Length: 235.0/240.0; Width heel: 52.8/60.4; Width waist: appr. 40.8/51.7; Width front: appr. 66.7/73.2; Height heel: 73.5/71.0; Length vamp: 104.5/105.8; Thickness sole: 2.0/4.9 (at heel); Width edge binding: 4.1/3.3; Thickness edge binding: 2.1; Thickness upper with lining: 1.6; Thickness upper without lining: 1.2; |
| <i>Remarks</i> | Remnants visible of other numbers: '101', and '44025' or '44026'; |
| <i>Bibliography</i> | Nauerth (2011: 148-149); |

Description

Largely complete pair of shoes of red leather with details in yellow and black. The sole has a rounded heel and a narrow waist. From here, the width increases distinctly and equally at either side, ending in the fairly pronounced pointed front. The result is a swayed sole.

There is an in- and treadsole. However, the left one has an insert between these two. Although it seems to have been torn off, it is very well possible that it is just a left over piece of leather that was used to reinforce this heel part of the shoe.

The upper consists of various parts, the only reason of which seems to be the inclusion of the decoration. Thus the vamp as well as the backpart consists of a right and left part; the heel, however, has two small inserts at either side of the back seam. The vamp, which has a lining, has a short extension pointing inside the instep; the sides run concave towards the sides, which are fairly low. However, towards the heel, the sides increase in width and the heel proper is the highest point of the upper. The inserts at either side of the back seam have a narrow protrusion with one straight and one concave edge. The entire instep is finished with an edge binding consisting of a lengthwise folded strap, the fold facing outwards, which is secured with whip stitches of flax thread; it includes, at the vamp extensions, a circular element. The front instep edge has a double edge binding: the inner one is black whereas the other one, being sandwiched between the vamp's leather and the black binding, is brown in colour. The upper is secured to the sole with interlocking running stitches of zS₂ flax thread, which are rather long.

The vamp is closed lengthwise down the centre with a decorative passepoil, which is folded in several 'S-shaped' curves; slightly over the middle of the length of this passepoil a coil, flanked at either side by smaller ones, interrupts it. The seam is closed at the inside with interlocking running stitching of zS₂ flax thread (as are all other decorative elements). The decorative passepoil is covered in gold foil, of which remnants are still visible. Also the other passepoils (at either side between vamp and backpart/backpart and heel) but also the coils at the vamp were decorated with gold foil. The coils (two with a diameter of 9.8 x 8.0 mm flanking a

slightly bigger one with a diameter of 13.5 x 19.3 mm) are inserted in cut out circles in the leather and secured with whip stitching at the inner side of the vamp. The back seam is made of the black edge binding and has no traces of gold foil. Only one of the bindings continue into the back seam; the other drops short. The heel is reinforced at the inside as well as with a semi-circular stiffener at the bottom on the outside, where it is possibly included in the sole seam.

Comparative Material

| | |
|--------------|--------------------------------------|
| Cat. No. | 136[c]; |
| Inv. No. | EA 57313; |
| Add. No. | 1923,0512.389; |
| Collection | British Museum, London; |
| Provenance | ?; |
| Date | Christian; |
| Materials | Leather; |
| Measurements | Measurements of least distorted one. |
| | Length: 250.0; |
| | Width heel: 56.2; |
| | Width front: 86.2; |
| | Width waist: 53.4; |
| | Height heel: 80.0; |
| Remarks | -; |
| Bibliography | Nauerth (2011: 148-149); |
| Description | |

A pair of red leather shoes in excellent condition. One layer sole with rounded heel, fairly distinctly constricted waist and towards the front equally increasing in width at both sides, ending in a pointed front. The ventral surface of the sole has an oval impressed motif (cf. Montebault, 2000: 166-167, 174-175 but also 194-195). Thus, the sole is straight. The upper consists of a red outside layer that has a thin, brown lining and consists of two parts. The edge of the instep has an edge binding made of a lengthwise folded strip that is secured with whip stitching. At the front of the instep are two bindings, an additional one that is enhanced with gold foil, between the black one that runs around the entire instep. The two bindings also form the outer edge of the roundel, which is an individual element that act as extension of the vamp, pointing into the instep. The upper is sewn to the sole without a rand by means of large interlocking run-

ning stitching of probably flax. At the heel, a reinforcement patch is inserted between the sole and the upper. At the front is a reinforcement patch.

The shoes are richly decorated with gilded, lengthwise folded strips of leather, which has been sewn in after being inserted in cuts; thus, the decoration sank into the leather. Coils are arranged in a triangle, linked with lines of strips that are in continuous S-shape arrangement. Inside this larger triangle is a smaller one. One line continues at the sides, interrupted with coils and terminating in a coil too at either side but shortly away from the back seam. The heel itself has an ingot-shaped extension; a vertical strip at either side of the back seam is coloured differently: stitch holes suggest that something was attached to it, which is now lost.

| | |
|--------------|--|
| Cat. No. | 137[c]; |
| Inv. No. | UC 28285; |
| Collection | Petrie Museum of Egyptian Archaeology UCL, London; |
| Provenance | ? |
| Date | Roman; |
| Materials | Leather; |
| Measurements | Length: 13; Width: 9; |
| Remarks | Date according to Petrie Museum Website; the provenance is unknown. Measurements also from aforementioned website; |
| Bibliography | Nauerth (2011: 148-149); |
| Description | Fragment of upper, comparable to EA 57313 (Cat. No. 136[c]). |

Discussion

Inserting a coil (made of a lengthwise folded strip of leather) into the upper's leather as decoration is not often seen, let alone as elaborate as seen in the here described examples (CM 10359, Cat. No. 135; EA 57313, Cat. No. 136[c] and UC 28285, Cat. No. 137[c]). However, inserting a comparable folded strip, also designed in S-shape, in the back seam is sometimes done, also in shoe that do not have comparable decoration in the upper (for example CM 2155, Cat. No. 126). Montembault (2000: 160-161) published a pair in the Louvre Museum that has one small coil

in the centre of the vamp. It is rather roughly dated (after 130 AD) and was recovered from Antinopolis. Possibly, this method of decorating footwear started as simply as in the Louvre shoe, and became more elaborate subsequently, which would mean that the examples in the present work can be dated at least to some time after 130 AD.

Realising that the nailed construction differentiates Roman footwear from all other (Van Driel-Murray, 2000: 350-352; much has been published on this topic, see for example also Van Driel-Murray, 1999a; Volken, 2011 and Winterbottom, 2001), an interesting detail is visible in EA 57313, Cat. No. 136[c]: the ventral surface of the treadsole shows impressed motifs. Smalley (2012: 121-122) has suggested that "the sole stitch pattern in Coptic slippers (Fig. 27) mimics the Roman nailed sole [see above] using a constructional element, placing this variant in the Early phase or start of the Core phase". Perhaps also the impression had a similar intention; these interesting suggestions clearly are worthwhile to investigate in the further.

Note on Classification

Most extraordinary of this shoe is that the upper consists of six parts, which is due to the adding of the large number of insert-decoration. Such a cutting pattern is unparalleled at present, to the best of our knowledge. Possibly, a separate category should be created for this shoe.

Veldmeijer's Category XII

| | |
|--------------|---|
| Cat. No. | 138; |
| Inv. No. | CM 12372; |
| Add. No. | QI 84.1.26/51; |
| Provenance | Qasr Ibrim; |
| Date | Post-Pharaonic; |
| Type | Type A, Variant 3; |
| Materials | Leather; |
| Measurements | Length: 220.0; Width heel: 57.0; Width waist: 66.3; Width front: 72.3; Height heel: 60.2; Length vamp: 130.3; Thickness leather: 1.8; |

Remarks -;
Bibliography Veldmeijer (2013b: 98-101);
Description

Extraordinary well preserved shoe, of which the leather is still very supple and soft. The original find card mentions that it was red, but now the leather is completely black. The single layer sole (but with an isolated insole that is not included in the sole seam) is not clearly defined. This is due to the sewing with the upper, which pulls the edges upwards. The heel is rounded and the width towards the front remains about equal, ending in a tapered front part.

The upper consists of a vamp and backpart; both of which are lined. The vamp has a pointed extension protruding into the instep; it runs concave at either side towards the sides, which are about 3.5 cm high. Towards the heel, the height increases, resulting in a small backpart extension. The upper and sole are secured with leather thong running stitches without a rand. The edge of the upper is simply finished with flax thread running stitching, rather than with an added binding. A triangular reinforcement patch is sewn with running stitches (made of flax thread) over the side seam, but only at the top. The sole seam includes a passepoil, which is also visible at the outside, below the triangular reinforcement patch.

Note on Classification

According to Veldmeijer (2013b: 95-98) "Category XII is a newly established Category; Montembault's typology has 11 categories. Category XII shoes lack a back seam. Usually, the side of the backpart is attached to the vamp at the front [...]. Most types and variants have vamp extensions (on which the classification in Types is based) except Variant 1 of Type A, which lacks any extension. Although it also lacks a true backpart extension, the heel might be slightly higher than the sides. [...] Type A has no vamp extension or only a very small one, the edges of which run concave towards the sides. A heel extension is lacking [or slight, as in Variant 3]. Furthermore, there are two side seams, rather than one. Within Type A, three variants can be distinguished. [...] In Variant 3 shoes, the vamp's edge at the instep runs distinctly concave towards the pointed centre part. Due to the concavity, the sides of the vamp run

further backwards than in the first group although the extent differs. The heel is heightened but without extension". This definition clearly fits CM 12372 (Cat. No. 138).

Undetermined

| | |
|---------------------|--|
| <i>Cat. No.</i> | 139; |
| <i>Inv. No.</i> | CM 2165; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | ?; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length: 160.0; Width heel: 34.4; Width waist: 16.0; Width front: 37.5; Height heel: 41.8; Thickness upper: 4.8; |
| <i>Remarks</i> | At the ventral surface of the sole are two old stickers with 'N 33' on one and '[illegible] 35' on the other; |

Description

Small and narrow shoe, consisting of one sole layer, that is made of fairly thick leather (as is the thickness of the upper). The heel is rounded and the waist is long and distinctly constricted. From here, towards the front, the width increases again but not equal at both sides: the lateral side starts expanding more towards the front relative to the medial side. The result is a swayed sole, indicating the shoe is meant for the left foot.

The upper consists of at least two pieces (vamp and backpart), but most of the vamp is missing. The sole seam includes a rand and is secured with interlocking running stitching of flax zS₂ thread. The edge binding at the backpart functions as passepoil between it and the vamp. This backpart is one piece of thick, sturdy leather, further strengthened by the addition of another layer of leather, black as opposed to the red first layer.

Figures have been cut out in this black layer: a spades figure at either side, flanking a circular motif, which is surrounded, in turn, by dots, with a flower of red leather in the centre. The central parts of the spade figure are also cut out dots and oval motifs, the visible different colour again enhancing the aesthetics. The area between the red petals in

the circular motif at the back of the heel is cut out of the red layer and filled with yellow leather. Above the sole seam's rand and sandwiched between it and the circular decoration, is attached a narrow red leather band to further enhance the shoe. It is kept in place only by inserting it, probably, in the sole seam between the vamp and sole. Several of the cut outs have been covered, originally, with gold foil.

Discussion

The size and shape (extremely small and narrow), together with the absence of wear, makes it questionable whether this shoe was made for actual use. Possible, it was specifically made as grave gift.

Note on Classification

This extraordinary, small shoe fits the definition of Category XII. However, it is, of course, distinctly different in used leather (very thick) and decoration. Moreover, the status as a usable shoe is questionable, and it is therefore decided to classify CM 2165 (Cat. No. 139) as undetermined.

| | |
|---------------------|---|
| <i>Cat. No.</i> | 140; |
| <i>Inv. No.</i> | CM 12371; |
| <i>Add. No.</i> | QI 84.1.26/52A; 692; |
| <i>Provenance</i> | Qasr Ibrim (939 Plaza; Level +); |
| <i>Date</i> | Late Christian or later (> AD 1100); |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Sole: Length: 23.2 cm; Width: 10.0 cm; Overall: Length: 23.7 cm; Width: 12.1 cm; |
| <i>Remarks</i> | Measurements from find card; |
| <i>Description</i> | |

Near complete shoe, but lacking the back of the upper. The comparatively small, rounded heel is slightly wider than the waist. From the waist towards the front, the width increases almost equally at both sides. The sole can, therefore, be referred to as straight. Still, it is possible to identify the shoe as being a left one, because shoes shape to the foot during use. The sole consists of two sole layers that, possibly, sandwiches a third one at the heel only. A strip of leather is folded around the edge of the sole

layers. These elements are secured, together with the upper, with running stitches that are made of leather thong.

Since the backpart of the upper is lost, the exact construction cannot be identified anymore and it is, thus, not clear whether the upper consists of one piece, which is closed with a seam over the vamp, or of two pieces that are, additional to the seam over the vamp, also closed with a back seam. Interestingly, the edge binding of the lateral side of the instep, continuous at the vamp, where it also includes the edge from the other side of the shoe. However, at the instep, the other side does not seem to have an edge binding (anymore?). At the lateral side, a narrow strip of leather protrudes from the edge, which must have served as a lace, loosely closing the instep over the foot.

Discussion

The shoe has not been studied first hand, limiting the discussion. One thing that is clearly noticeable is the seam lengthwise along the vamp. A seam to close the vamp this way is also seen in the strange shoe CM 2165 (Cat. No. 139). Though not often seen in Qasr Ibrim material, it is fairly common in the footwear from Fustat (Veldmeijer, In Press c), although these are entirely different type of shoes with extremely open insteps (and thus very short 'vamps').

| | |
|---------------------|---|
| <i>Cat. No.</i> | 141; |
| <i>Inv. No.</i> | CM 2172; |
| <i>Provenance</i> | ?; |
| <i>Date</i> | ?; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Sole: Length: 220; Width heel: 55; Width waist: 44; Width front: 68; |
| <i>Remarks</i> | Measurements are approximate; |
| <i>Description</i> | |

Isolated sole layer, probably for a shoe. The heel is rounded and the waist is distinctly constricted. From here, towards the front, the width increases. Since the lateral side widen more distinctly but more towards the front relative to the medial side, the sole can be referred to as swayed for the left foot. Along the edge are several stitch holes in pairs

(although fairly widely-spaced, indicating large stitches), with large interstitch spacing. Remnants of leather thong stitches are still visible at the ventral surface.

The dorsal surface is enhanced by scraping away the topmost surface. The design, of which two lines follow the edge, include stars at the front and three semi-circular shapes. Note the two isolated holes in the front and the back, the function of which is unclear, although possibly these are nails from exhibiting it in the past.

LEATHER FOOTWEAR

BOOTS

Montembault's Class XI

| | |
|---------------------|---|
| <i>Cat. No.</i> | 142; |
| <i>Inv. No.</i> | CM 2166; |
| <i>Provenance</i> | ? |
| <i>Date</i> | Christian; |
| <i>Type</i> | Type A; |
| <i>Materials</i> | Leather; |
| <i>Measurements</i> | Length sole: 121.0; Width heel: 41.6; Width front: 56.1; Height heel: 33.3; Height heel total: 100.0; Length front view total: 260.0; Thickness leather: 3.4 (at edge binding); Width edge binding: 4.8; |
| <i>Remarks</i> | -; |
| <i>Bibliography</i> | Montembault (2000: 206-211); |

Description

This extraordinary, incomplete right child's boot lacks the sole. The condition is fairly good, but it suffered from the stuffing that was added during a previous intervention by conservators. The stitches that hold the seam at the back together might have been added on at this time; they do not seem to be original. This is also the case with the thread that keeps the sides at the ventral surface (*i.e.* where the sole should have been) together.

The upper consists of a big piece of leather, making up the vamp as well as the leg's part. An insert at the heel completes the cutting pattern. The foot part has a lining but the leather above the ankle is without one. The instep has an edge binding, con-

sisting of a strip of leather folded around the edge of the upper, and is secured with interlocking running stitching of zS₂ flax thread. The back seam, running until the insert at the heel, is closed with a passepoil, which is an extension of one of the edge bindings. It is not certain how the seam was closed but the stitch holes suggests that it was done with running stitching, possibly of leather thong judging the fairly big size of the stitch holes. Also the heel insert is attached with a passepoil. It is not clear whether the upper and sole included a rand.

Discussion

The boot in the collection of the Coptic Museum compares well with the boots from Antinopolis, now in the collection of the Museum für Byzantinische Kunst in Berlin (Bénazeth & Fluck, 2004). Both boots are made of one major piece of leather with an inserted heel part. However, the Berlin example has large extensions at the front, which are absent in the Cairo specimen.

Note on Classification

Montembault's Class XI (2000: 206-211) consists of two types, but unfortunately, unlike the rest of the footwear discussed, there are no cutting patterns illustrated. However, AF 12183 (*Ibidem*: 208) compares well, except for the layer of cloth in the Louvre example, which lack in the example from the Coptic Museum. Since Type B are short, relatively wide boots that consists of several pieces of leather, CM 2166 (Cat. No. 142) does not fall in that category.

NOTES

- 1 In 1889/1890 Albert Gayet produced a volume on the Coptic artefacts held by the Egyptian Museum at that time, and a Catalogue Général volume on the holdings was published in 1904 by Josef Strzowski—clearly the significance and importance of Coptic art and culture was established in the mind of the scholarly community by then.
- 2 A brief overview of the history of the Egyptian Museum can be found in Saleh & Sourouzian (1987: 13-17).
- 3 The history and collections of the Coptic Museum can be found in the superb work by Gabra & Eaton-Krauss (2007).
- 4 The objects in the following collections and from several excavations have been studied first-hand, to show that the conclusions of the AEFPP can draw on a large sample. Collections: Ägyptisches Museum und Papyrussammlung, Berlin - Ashmolean Museum, Oxford - British Museum, London - Egyptian Museum, Cairo - Luxor Museum, Luxor - Medelhavsmuseet Stockholm - Metropolitan Museum of Arts, New York - Museo Egizio, Turin - Museum of Fine Arts, Boston - National Museum of Antiquities, Leiden - National Museums of Scotland, Edinburgh - Oriental Institute Museum, Chicago - Petrie Museum of Egyptian Archaeology UCL, London - Roemer- und Pelizaeus-Museum, Hildesheim - Royal Ontario Museum, Toronto - Sammlung des Ägyptologischen Instituts der Universität, Heidelberg - World Museum, Liverpool. Excavations: Amarna - Amenhotep II Temple Luxor - Berenike - Deir el Bakhit - Dra Abu el Naga - Elephantine - Fustat - Hierakonpolis - Mersa Gawasis - Qasr Ibrim.
- 5 Of seemingly lesser importance for the present work is footwear from Nubia, although several pieces of the Coptic Museum collection were recovered from Nubian Qasr Ibrim. Moreover, since the exact relationship between ‘indigenous’ and ‘foreign’ footwear is not well understood, the work of Williams (1983: 71-75) should be mentioned, who established a typology of sandals from the C-Group. For a detailed discussion see Veldmeijer (In Preparation b).
- 6 With shoes, this is different, as in appearance comparable shoes can be made in different ways, for example with or without rand (not present in early Egyptian footwear, but see for examples the Christian and Ottoman shoes from Qasr Ibrim [Veldmeijer, 2013b]). This, in its turn, can be originally designed but can also be due to repair, the exact origin of which in many cases cannot be determined anymore. Furthermore, the appearance of a shoe is important, evidenced for example by the fact that inserts are always placed in such a way that they are hard to notice, *i.e.* at the medial side of the shoe (note in this respect the large decorative patches in Curled-Toe Ankle Shoes to obscure the back seam [Veldmeijer, 2009g]). In sandals, a good example for the same technology but different shapes are some types of Sewn-Edge Plaited Sandals (Veldmeijer, 2010b) and Fibre Composite Sandals (Veldmeijer, 2013a).
- 7 After Veldmeijer (2013b). Terminology of knots is after Veldmeijer (2006).
- 8 See Veldmeijer (2013b: 27) on the card-system. The quality of the descriptions of the find cards are such, despite being written by a non-footwear specialist, that the text, though with adjustments, is integrally copied and used here. The far majority of the find cards have been expertly written by Peter French.
- 9 Three additional examples are Ägyptisches Museum und Papyrussammlung, Berlin AM 18473, Sammlung des Ägyptologischen Instituts der Universität, Heidelberg SAIUH1170_1486 and the strangely-shaped sandal SAIUH1170_1486. These will be discussed elsewhere (Veldmeijer, In Preparation a).

10 Note that, interestingly, at the other side of the world, the Anaszi, the people who lived from approximately 1 to 1300 AD in Utah, Colorado, Arizona and New Mexico in the United States

of America, had comparable footwear (as well as other categories known from ancient Egypt) albeit made with different vegetable materials (Kankainen, 1995).

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APPENDIX I

FIGURES

CAT. NO. 1

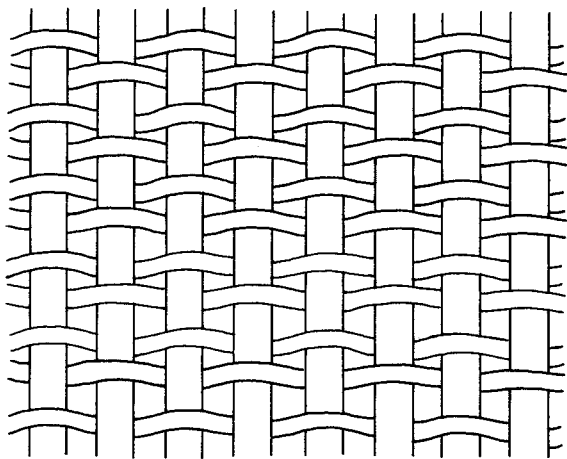


CM 4974. Overviews. Pair of sandals (dorsal and ventral views respectively). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 1 - CONTINUE



CM 4974. Details. Finishing of the edge (seen from dorsal). Coptic Museum, Cairo.



CM 4974. Diagram of the sole fabric. Coptic Museum, Cairo.



CM 4974. Details. Top and centre: Back straps in dorsal; Bottom: Ventral view. Scale bar is 10 mm. Coptic Museum, Cairo.

CAT. NO. 2



CM 4978. Overviews (dorsal and ventral view). Scale bar is 50 mm. Coptic Museum, Cairo.



CM 4978. Detail of the sole's fabric and front strap. Scale bar is 10 mm. Coptic Museum, Cairo.

CAT. NO. 3

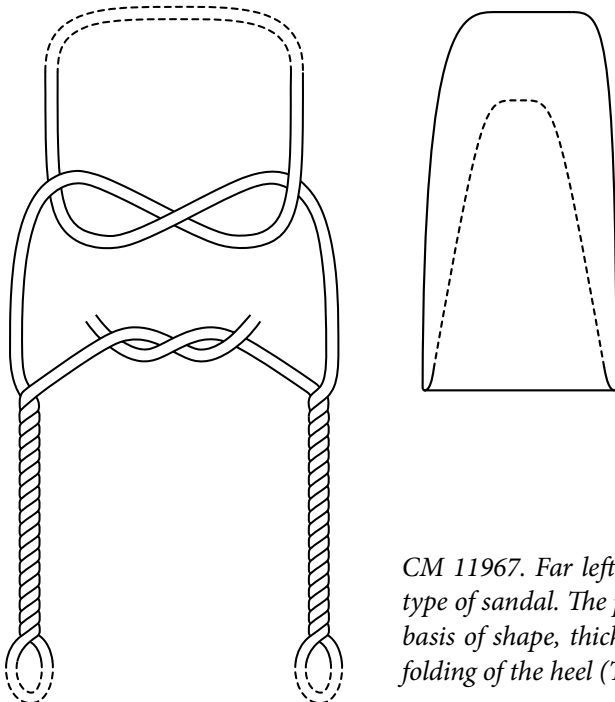


CM 4979. Overviews (dorsal and ventral view). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 4



CM 11967. Overviews (dorsal and ventral view). Scale bar is 50 mm. Coptic Museum, Cairo.



CM 11967. Far left: Diagram of the strap complex; Left: Diagram of the type of sandal. The plain plaited sandals can be divided in six types on the basis of shape, thickness and tightness of plaiting as well as the degree of folding of the heel (Type B, Variant 1).

CAT. NO. 5



CM 11965. Overviews of right shoe (medial, dorsal, lateral and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 5 - CONTINUE

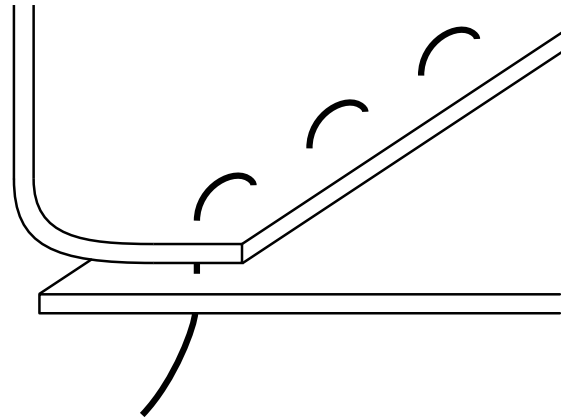


CM 11965. Overviews of right shoe (lateral, dorsal, medial and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.

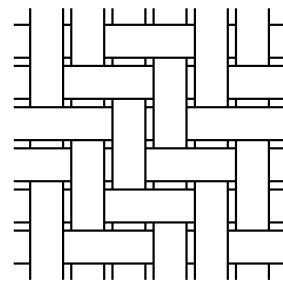
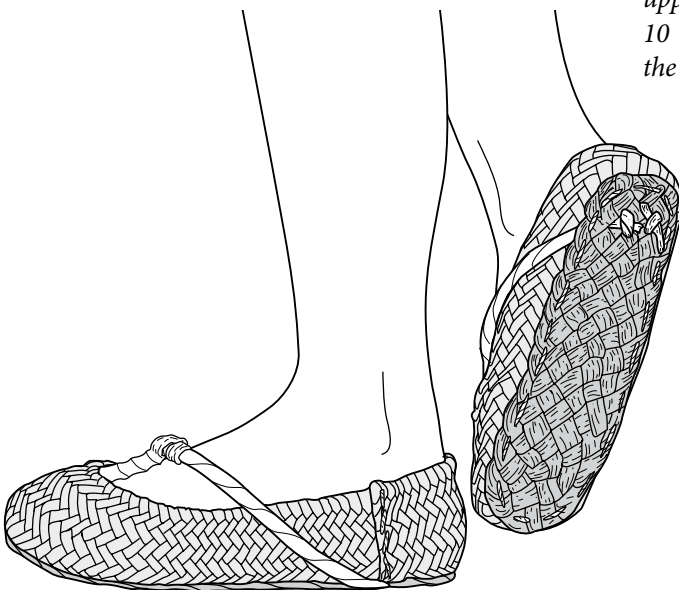
CAT. NO. 5 - CONTINUE



CM 11965. Details of the attachment of the back strap to the sole as well the attachment at the edge of the overlap of the upper's fabric. Scale bars are 10 mm. Coptic Museum, Cairo.



CM 11965. Left: Detail of the attachment of the upper to the sole, seen from the inside. Scale bar is 10 mm. Coptic Museum, Cairo; Right: Diagram of the construction.



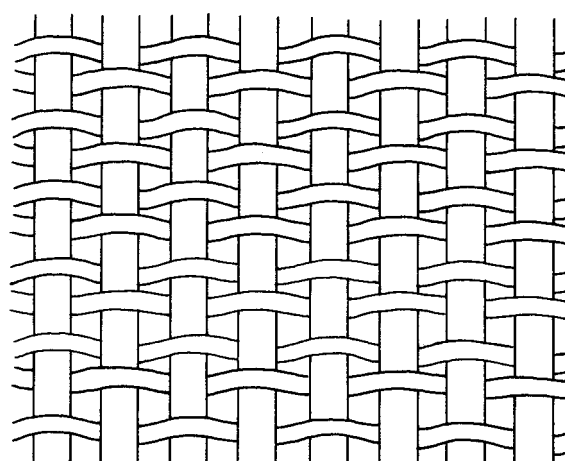
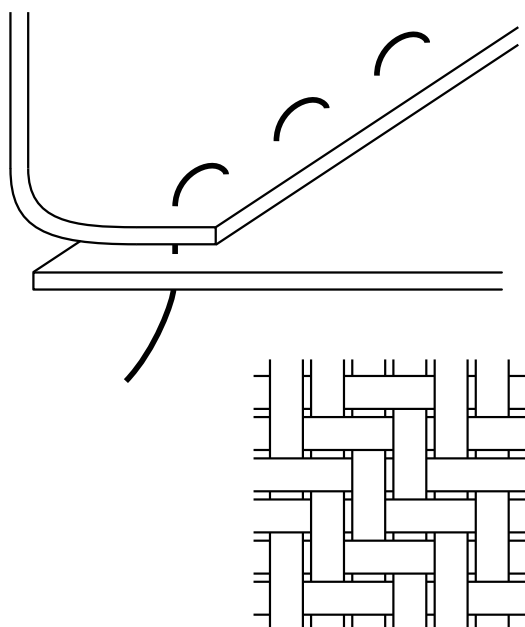
CM 11965. Diagram of the plaited fabric.

CM 11965. Artist's impression. By Mikko H. Kriek.

CAT. NO. 6



CM 4975. Overview (ventral, medial and dorsal views). Scale bar is 50 mm. Coptic Museum, Cairo.



CM 4975. Diagram of the woven treadsole.

CM 4975. Top: Diagram of the attachment of the upper to the sole; Bottom: Diagram of the plaited fabric.

See CM 11965 (Cat. No. 6) for the artist's impression.

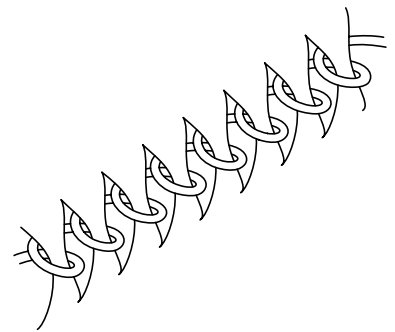
CAT. NO. 7



CM 2177. Overviews (dorsal, medial, ventral). Scale bar is 50 mm. Coptic Museum, Cairo.

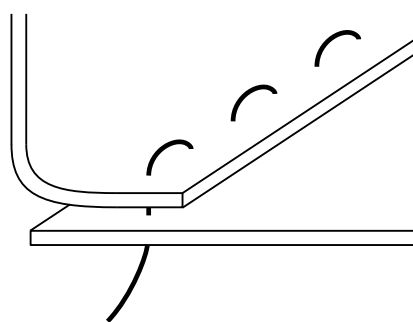


CM 2177. Detail of the edge. Scale bar is 10 mm. Coptic Museum, Cairo;

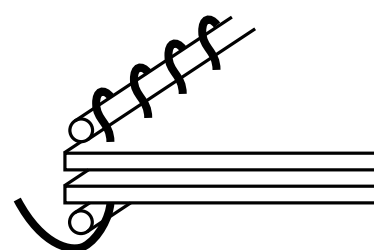
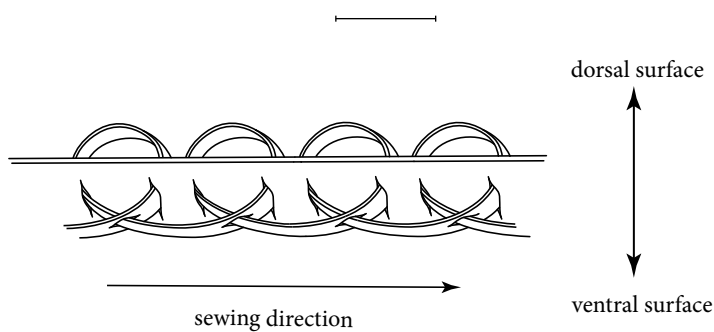


Right: Diagram of the edge stitching.

CAT. NO. 7 - CONTINUE

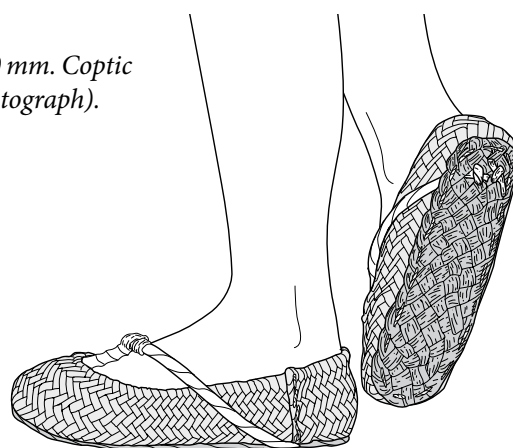


CM 2177. Diagram of the attachment of the upper to the sole.



CM 2177. Diagram of the edge construction of the sole.

CM 2177. Top: Detail of the closing of the upper. Scale bar is 10 mm. Coptic Museum, Cairo; Bottom: Diagram of the sewing (right in photograph).



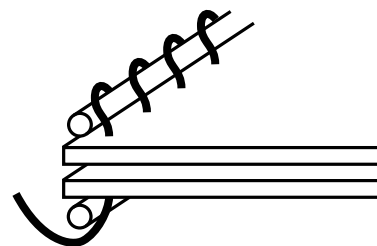
CM 2177. Artist's impression by Mikko H. Kriek.

CM 2177. Detail of the front strap. Scale bar is 10 mm. Coptic Museum, Cairo.

CAT. NO. 8



CM 3295. Overviews (medial, dorsal, lateral and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.



CM 3295. Detail of the edge (see diagram right). Scale bar is 10 mm. Coptic Museum, Cairo.

CAT. NO. 9

2724

| | | | |
|--------------|-----------------------------------|----------------------------------|--------------------|
| DATE 78.3.20 | SITE SOUTH RAMPART STREET | SANDAL | REG No. 78/456 par |
| TIME | GRID No. LEVEL 1B DATING R2-334-A | | |
| EXC.No. 12 | PHOTO Nos. 78A81/18 | MATERIALS LEATHER (ALSO COTTON) | |
| | | SIZE LENGTH 16 CMS WIDTH 6.5 CMS | |

CHILD'S SANDAL. RIGHT FOOT.

TWO LEATHER THICKNESSES, SEWN TOGETHER WITH LEATHER STITCHES ALL AROUND THE EDGE AND A SINGLE ROW AROUND THE MIDDLE, FROM 7 CMS TO 11 CMS FROM THE BACK, ONLY. THE STITCHES SHOW ON BOTH SURFACES.

RIGHT FRONT EDGE IS SCALLOPED. THE FINAL SCALLOP WENT AROUND ON TO THE FRONT EDGE BUT THE REMAINDER OF THE FRONT IS MISSING.

UPPER SURFACE DECORATED WITH IMPRESSED DOUBLE-RINGS AND IMPRESSED ~~AND~~ DESIGNS IN ALTERNATING V FORMATION. WORK IMPRESSIONS OF FORMER ALSO VISIBLE IN LINE AT FRONT END AND HAPHAZARD(?) AT BACK END. ~~AND~~ DESIGN IMPRESSED ALSO ALL AROUND THE EDGE, INSIDE THE STITCHED LINE.

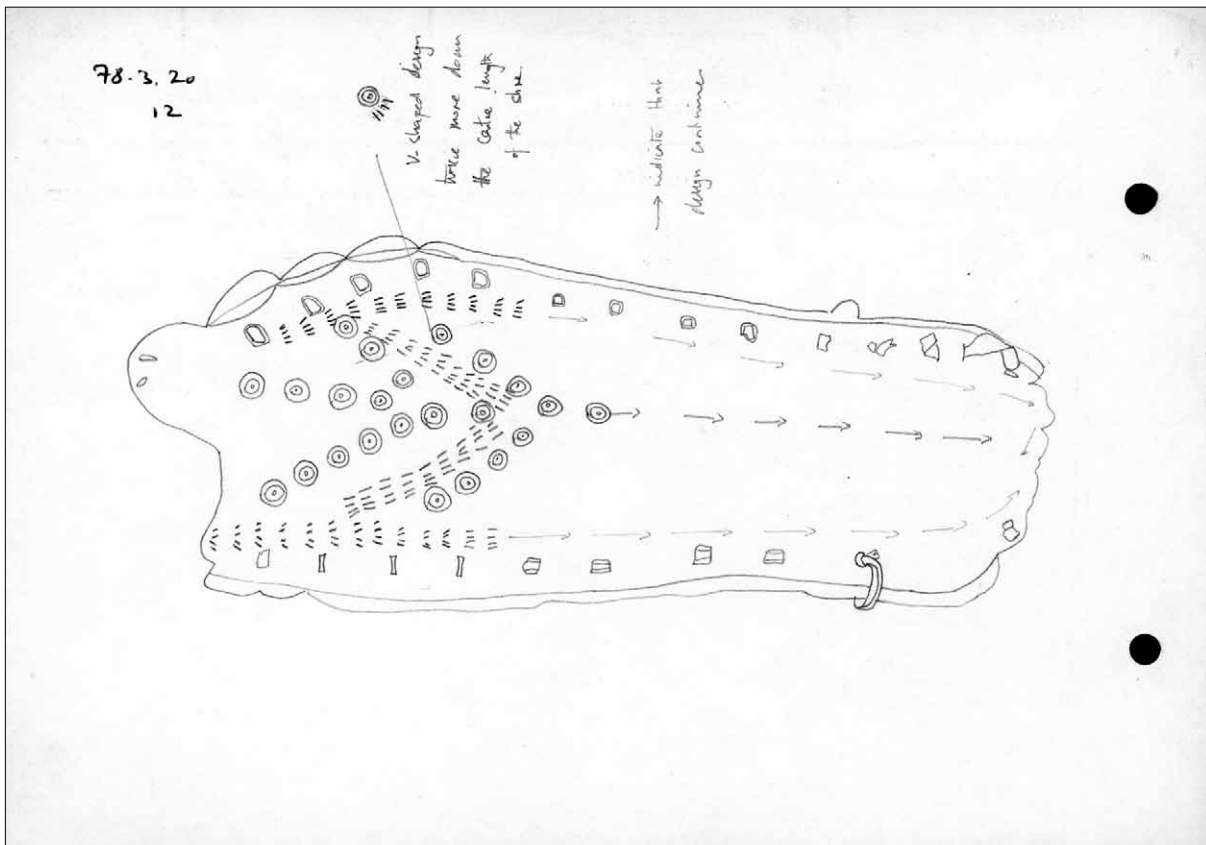
TWO PAIRS OF SMALL TRANSVERSE SLITS CLOSE TO EACH EDGE, C 2.5 AND 3.0 CMS FROM THE BACK, TO TAKE REAR TIES. FRAGMENT OF LEATHER TIE IN RIGHT ONE. LEFT ~~TIE~~ REPLACED BY A STRING OF 2 TWISTED STRANDS OF 2-PLY COTTON, KNOTTED.

3 CMS FROM FRONT A TRANSVERSE SLIT AND ANOTHER IN THE BREAK 1 1/2 CMS FROM FRONT. THESE FOR THE FRONT TIE, NOW MISSING. REAR TIES GO THROUGH BOTH THICKNESSES,

FRONT APPARENTLY THROUGH UPPER ONE ONLY.

See over for drawing.

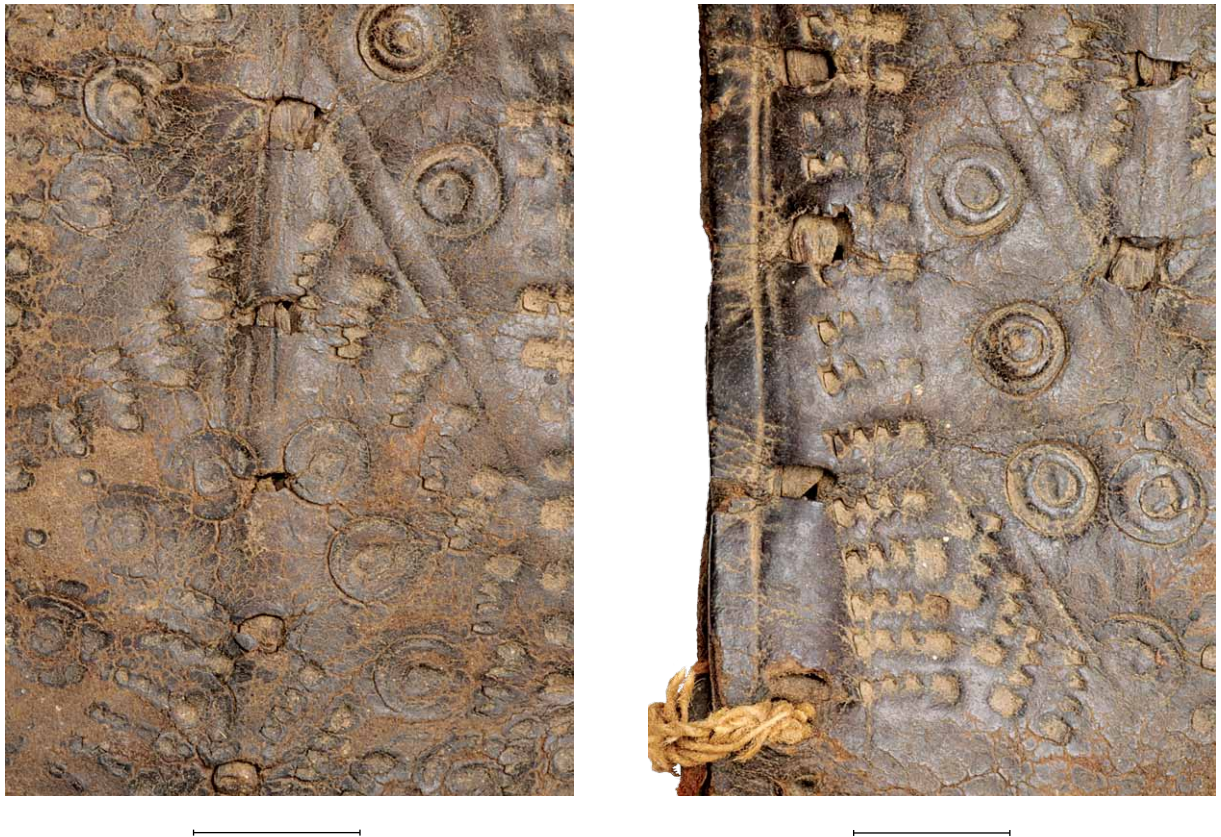
Cairo or Div. 9
Apparent by 9



CAT. NO. 9 - CONTINUE

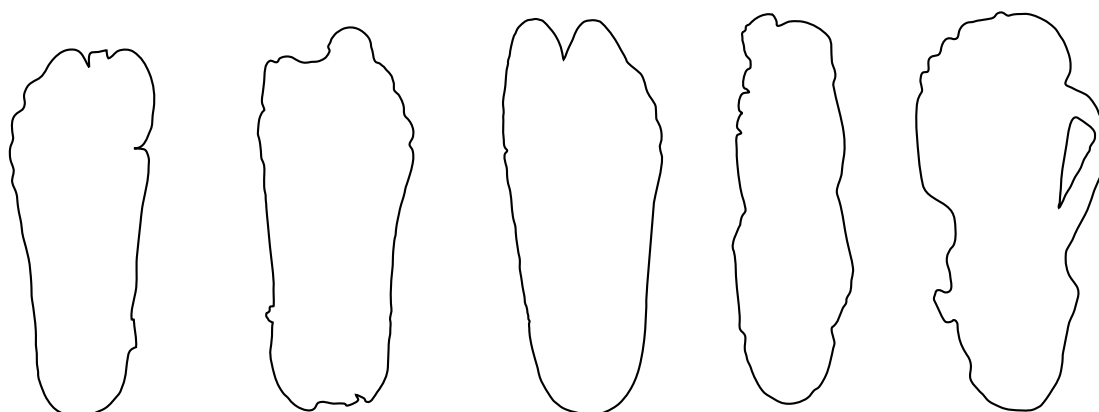


CM 11955. Overviews (ventral, medial, dorsal and lateral views). Scale bar is 50 mm. Coptic Museum, Cairo.



CM 11955. Details of the impressed decoration at the dorsal surface of the insole. Scale bars are 10 mm. Coptic Museum, Cairo.

CAT. NO. 9 - CONTINUE



Variation in shape of Toe-Shaped Sandals. From left to right: QI 84.2.22/35 (Cat. No. 11[c]) (Egypt Exploration Society); CM 11955 (Cat. No. 9) (Coptic Museum, Cairo); Cam-3006 (Cat. No. 10[c]) (Egypt Exploration Society); E12562 (After: Montembault, 2000: 112); 31/420-D6-1/D-1C/11 (After: Livingstone, 2011: 141).



Example of the diagonal straps. Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg (no number).

CAT. NO. 10[C]



QI 76.2.14/3 (cam-3006). Overviews (dorsal and ventral view). Scale bar is 50 mm. EES/British Museum, London.

CAT. NO. 11[C]

| | | | |
|--------------------------------------|--|--------------------------------|--------------------|
| DATE 84.2.22 | UNIT 785 HOUSE ROOM 11 LEVEL 3 | CHILD'S SANDAL | REG. NO. 84/677 |
| EXC. NO. 35 TEMPORARY FINAL | DATE OF LEVEL | DATE OF OBJECT HERETIC - EC | |
| PHOTO NOS. 84 F. 141/18A, 19A | SIZE LENGTH 14.1 CMS WIDTH 5.2 CMS | MATERIALS LEATHER | |

CHILD'S LEFT FOOT SANDAL.

ALMOST INTACT, BUT IN POOR CONDITION, APPARENTLY HAVING AT SOME TIME BEEN WET.

THREE NOT VERY THICK LAYERS, SEWN ALL AROUND THE EDGES, AND IN THE CENTRAL PART OF THE MIDDLE (LONGITUDINALLY) WITH LEATHER STITCHES. THESE SHOW SMALL ABOVE AND SLIGHTLY LARGER BELOW AND SOME ARE INTACT ON EACH SURFACE SHOWING 3 LAYERS IS ORIGINAL THICKNESS.

CUT-OUT BETWEEN BIG TOE AND REMAINDER, AND DECORATIVE BOUNDED CUT-OUTS ALONG THE LEFT FRONT EDGE. UNDERSIDE PLAIN, TOP DECORATED:

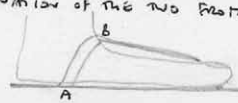
A PAIR OF INCISED LINES RUNS AROUND RIGHT FRONT AND DOWN RIGHT SIDE AND AROUND RIGHT SIDE OF HEEL. IT PROBABLY CONTINUES ALL THE WAY AROUND THE SANDAL, BUT IS OBSERVED. TWO OTHER ^{TRACES} ~~PAIRS~~ RUN UP THE CENTRAL AREA, APPROX FOLLOWING THE LINES OF THE NEAR EDGES. THE FIELD FURTHEST RIGHT IS FILLED WITH STAMPED DIVIDED TO CAIRO

W. [?] ~~DOUGES~~ (OF THE . . .) AND THEY ARE ALSO SEEN AT LEFT FRONT AND MAY HAVE OCCURRED ELSEWHERE.

SURVIVING TIES ARE:

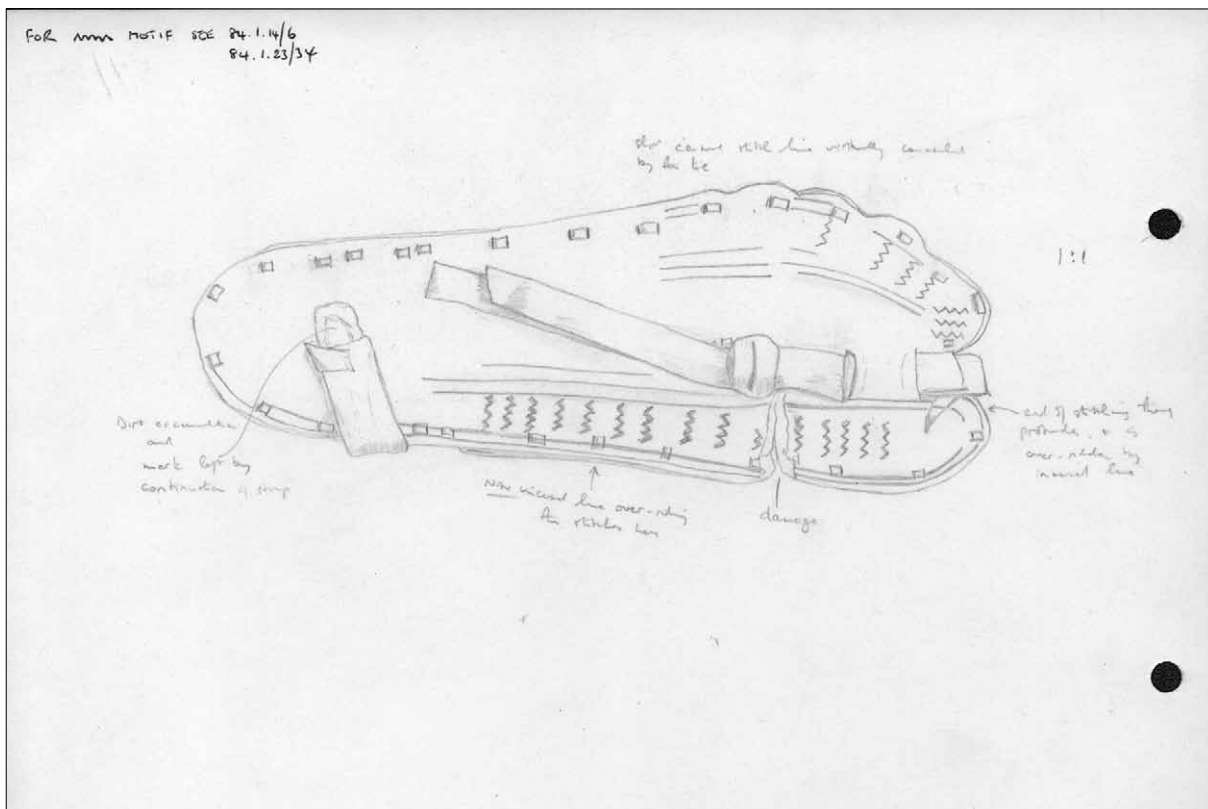
FRONT. TWO LEATHER STRIPS 20.8 CMS WIDE, FACE TO FACE, THROUGH TWO HOLES, AT BOTTOM OF BIG-TOE CUT AND 1.3 CMS TO REAR OF IT, AND CONTINUE TOWARDS REAR. WHAT WAS PROBABLY A SECOND TIE ALSO THERE, KNOTTED AROUND IT PART WAY ALONG.

REAR. A SIMILAR STRIP, 0.9 CMS WIDE, PASSES THROUGH BETWEEN THE SOLES, 2.5 CMS FROM REAR END. DAMAGED, BUT HAD TWO PIECES OF THE TIE AROUND ITS CENTRE, PERHAPS THE CONTINUATION OF THE TWO FROM THE FRONT, THUS:



THE DISTANCE AB IS ONLY 1.5 CMS HOWEVER, SO EITHER THE LOOP SLIPPED OR THE CHILD'S FOOT WAS TINY.

NOTE INCISED LINES CUT ACROSS STITCHES DOWN RIGHT SIDE, SO STITCHING DONE FIRST.

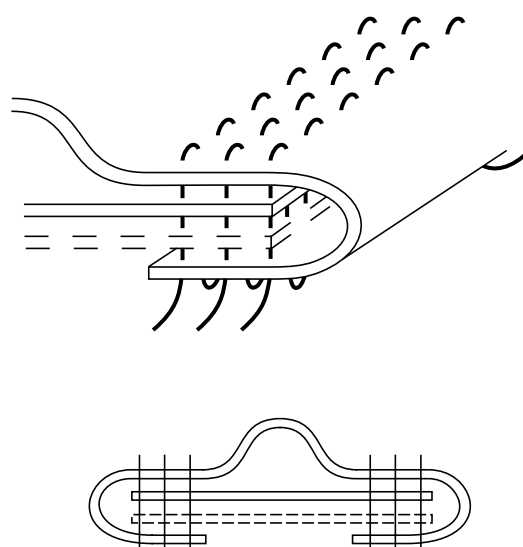


CAT. NO. 12[C]



EA 53915. Example of the diagonal straps. Scale bar is 50 mm. British Museum, London.

CAT. NO. 13



CM 2174. Diagram of the sole construction. The dashed line indicate uncertainty on the exact number of layers.

CM 2174. Overviews (dorsal and ventral view).
Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 14



CM 3297. Overviews (ventral and dorsal views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 15[C]



1889, 1068. Overviews (dorsal and ventral views of the left sandal and dorsal and ventral view of the right sandal). Scale bar is 50 mm. Ashmolean Museum, Oxford.

CAT. NO. 16[C]



EA 4395. Overviews (ventral and dorsal views). Scale bar is 50 mm. British Museum, London.

CAT. NO. 17[C]



WML 11192. Overviews (dorsal and ventral views). Scale bar is 50 mm. National Museums, Liverpool: World Museum.

CAT. NO. 18[C]



E 11830. Overviews (ventral and dorsal views). Scale bar is 50 mm. Oriental Institute Museum, University of Chicago.

CAT. NO. 19



CM 3302. Overviews (ventral and dorsal views). Scale bar is 50 mm. Coptic Museum, Cairo.

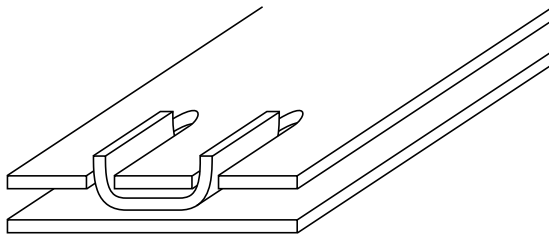


CM 3302. Detail of the impressed decoration and the sewing of the sole layers. Scale bar is 10 mm. Coptic Museum, Cairo.

CAT. NO. 20



CM 11393. Overviews (left sandal in dorsal and ventral views; right sandal in ventral and dorsal views). Scale bar is 50 mm. Coptic Museum, Cairo.

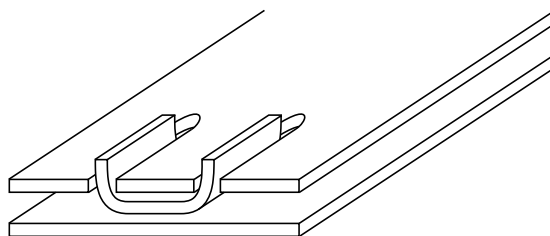


CM 11393. Diagram of the pre-strap/sole construction.

CAT. NO. 21



CM 3299. Overviews (dorsal and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.



CM 3299. Diagram of the pre-strap/sole construction.

CAT. NO. 23[C]

| | | |
|------------------------------|--|---|
| 2555 DATE 78.3.16 TIME | SITE <u>WEST PLAZA</u> GRID No <u>CENTRAL SECTION</u> LEVEL <u>9</u> <u>RT 78/157 FILL</u> DATING <u>CC-560-P</u> | SANDAL <u>78/</u> REG No. <u>456 part</u> |
| | MATERIALS <u>LEATHER</u> | |
| EXC. No. <u>71</u> | PHOTO Nos. <u>78A81/12</u> | SIZE LENGTH <u>23.2 CMS</u> WIDTH <u>9.3 CMS</u> |

LEFT SANDAL SOLE.
COMPLETE BUT NO TIES.

2 LEATHER THICKNESSES, SEWN WITH LEATHER ALL AROUND THE RIM, ONE LINE OF STITCHING DOWN THE MIDDLE FROM END TO END AND TWO MORE LINES RUNNING THIS FROM FRONT TO HALFWAY ONLY. TINY STITCHES APPEAR ABOVE AND BELOW, MOST OF THE STITCHING BEING BETWEEN THE THICKNESSES.

UPPER SURFACE DECORATED WITH INCISED LINES FOLLOW THE ~~EDGE~~ LINE OF THE EDGE, AT A DISTANCE OF C 0.3, 1.0 AND 2.0 CMS FROM IT. IN THE 2 SPACES BETWEEN, DOUBLE-RING IMPRESSIONS (DIA C 0.4 CMS), 57 IN OUTER AND 49 IN INNER. 2 ROWS OF 3 MORE ACROSS, 5 - 6 CMS FROM REAR AND 12 MORE (DIA 1.0 CMS) DOWN THE CENTRE.

IN UPPER THICKNESS ONLY, 2 HOLES AT 1 AND 2 1/2 CMS FROM FRONT, 3 - 3 1/2 CMS FROM RIGHT, TO TAKE A FRONT TIE.

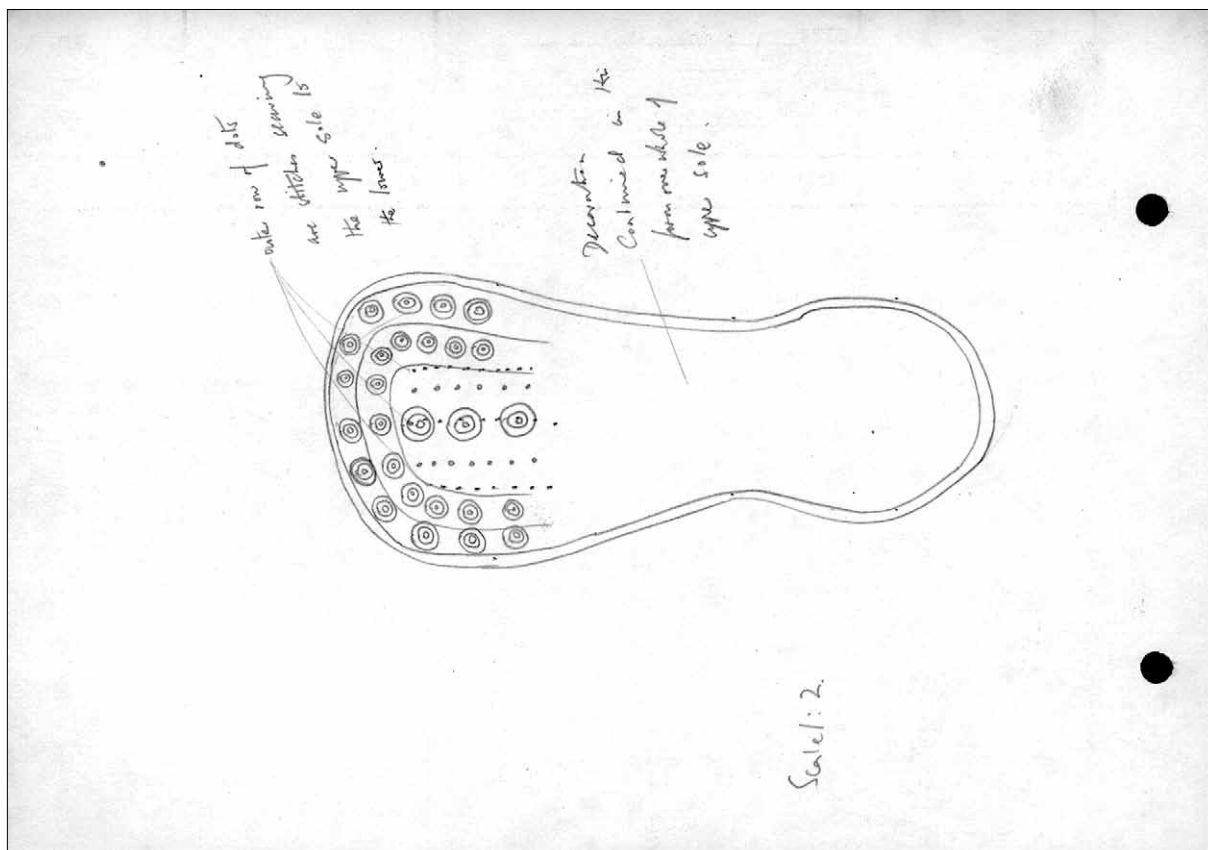
THROUGH BOTH THICKNESSES, SLITS 2 CMS LONG, 1 CM FROM EACH EDGE AND STARTING 5 CMS FROM

THE BACK, 2 IN NUMBER. TO TAKE REAR TIES.

HOLE C 5 X 3 CMS IN HEEL, LOWER THICKNESS ONLY, HAD BEEN PATCHED ON UNDERSIDE AND LEATHER SEWN, BUT SUBSEQUENTLY REMOVED, PRESUMABLY WHEN SANDAL WAS FINALLY DISCARDED.

cf 78.3.14/20 ^{Similar but not identical} FOR DECORATIONS

Apparently kept by Cairo or Division.

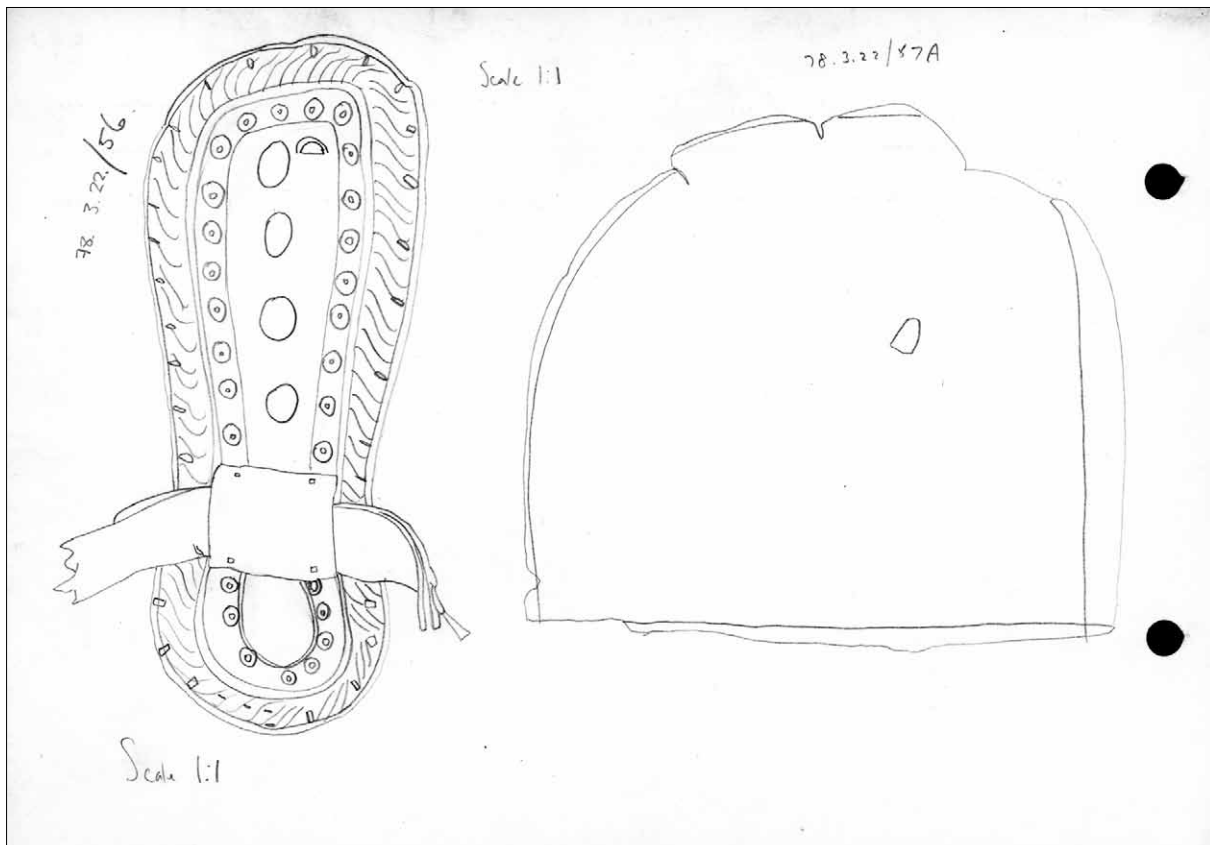


CAT. NO. 24[C]

| | | | |
|----------------------|---|---------------------------------------|----------|
| DATE 78.3.22 TIME | SITE SOUTH BASTION (C2) GRID No WEST PASSAGE LEVEL 1 DATING R2-336-A | SANDAL | REG No. |
| | | 78/73 | 455 part |
| EXC. No. 56 | PHOTO Nos. 78A81/19 | MATERIALS LEATHER | |
| | | SIZE LENGTH 12.1 CMS WIDTH 4.9 CMS | |

INFANT'S LEFT SANDAL.
SOLE OF 2 THICKNESSES OF LEATHER.
STITCHED TOGETHER WITH LEATHER ALL
AROUND THE RIM AND IN TWO LINES
DOWN THE MIDDLE.
0.7 AND 2.0 CMS FROM FRONT, IN LINE
LONGITUDINALLY, 2 SLITS TO TAKE FRONT
TIE. 1 1/2 - 2 CMS FROM RIGHT EDGE. THESE
ARE DISTORTED THROUGH PULL OF THE TIE,
SHOWING THE SANDAL WAS WORN, ALTHOUGH
THERE ARE NO HOLES IN THE SOLE. SLITS
ARE c 0.4 CMS LONG.
TWO LONG (1.5 CMS) SLITS 3 - 4.5 CMS
FROM BACK, CENTRAL PLACED, 2.3 CMS APART.
THROUGH THESE STILL RUNS A LEATHER TIE-
STRAP CONSISTING OF 2 THICKNESSES, 1.2 CMS
WIDE. ITS SURVIVING LENGTH IS 7.5 CMS.
ONE END PROJECTS 2.5 CMS AND IS COMPLETE TO
A ROUNDED END, CLOSE TO WHICH ARE 2 SLITS
SIDE BY SIDE AND KNOTTED THROUGH THEM A
SMALL FRAGMENT OF A CONTINUATION TIE
0.4 CMS WIDE. THE OTHER TIE-STRAP PROJECTS
2.3 CMS AND ITS END IS BROKEN. THE FACE OF
THE TIE STRAP THAT LAY ON TOP WHEN THE
SANDAL WAS TIED UP, IS DECORATED WITH
INCISED DESIGNS
SOLE IS DECORATED WITH INCISIONS AND
IMPRESSIONS ON UPPER SURFACE. 4 INCISIONS
FOLLOW THE LINE OF THE EDGE THE WHOLE
WAY ROUND, AT A DISTANCE OF c 0.1, 0.6,
0.8 AND 1.4 CMS. THE 2 INNER PANELS THUS
FORMED ARE DECORATED, OUTER INNER
SOLE COMPLETE. TIES PARTLY PRESERVED.

For drawing see 3.22/57



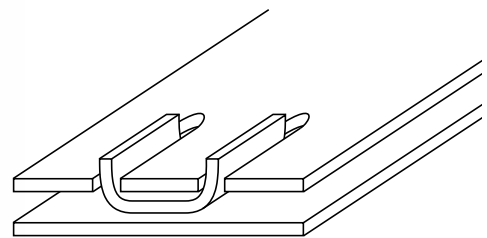
CAT. NO. 24[C] - CONTINUE -



QI 78.3.22/56 (cam-3637). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum London.



QI 78.3.22/56 (cam-3637). Details. Top: Incised and impressed decoration of dorsal surface of the insole; Left: Close-up of the dorsal surface of the insole; Bottom: Diagram of the pre-strap/sole construction; Bottom left: The sewing seen at the ventral surface of the treadsole. Scale bars are 10 mm. EES/British Museum, London.

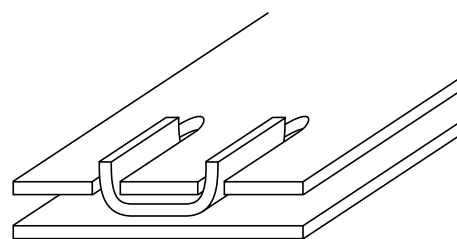


CAT. NO. 25[C]

2421

| | | | |
|--|---|---|---------|
| DATE 78.3.15 TIME | SITE WEST PLAZA GRID No CENTRAL SECTION LEVEL 9 DATING XC2-358-0 | FRAGMENTS OF SANDALS 78/ (A) 460 part (B) (C) | REG No. |
| EXC. No. 58 | PHOTO Nos. (A) 78A 82/34 (B, C) 78A 83/18 | MATERIALS LEATHER | |
| (A) REAR PART OF SANDAL. SINGLE THICKNESS. 2 SLITS 1 1/2 cms LONG, ABOUT 2 cms FROM BACK. (B) CENTER PART OF SANDAL. SINGLE THICKNESS. (C) PROBABLY THE HEEL OR FRONT OF A CHILD'S SANDAL. SINGLE THICKNESS | | SIZE (A) LENGTH 14 cms (PREVIOUS) WIDTH 7 1/2 cms (PREVIOUS) (B) LENGTH 13 cms (PREVIOUS) WIDTH 6 cms (PREVIOUS) (C) LENGTH 5 1/2 cms (PREVIOUS) WIDTH 5 cms (PREVIOUS) NOT DRAWN. | |

(A)(B)(C) 2 Faculty of Oriental Studies




QI 78.3.15/58 (cam-3671). Diagram of the pre-strap/sole construction.

QI 78.3.15/58 (cam-3671). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.

CAT. NO. 26[C]

| | | | |
|--------------|---------------------|----------------------|----------|
| DATE 74.2.28 | SITE. House X.2-2 | SANDAL | REG. No. |
| | GRID No. Room 3 | | 74/228 |
| | LEVEL. P.T. FILL | | |
| | DATING. XC - 242-P | MATERIALS LEATHER | 732 |
| EXC. No. 4 | PHOTO Nos. 15/22-23 | SIZE 17.2 x 7.2 cms. | |

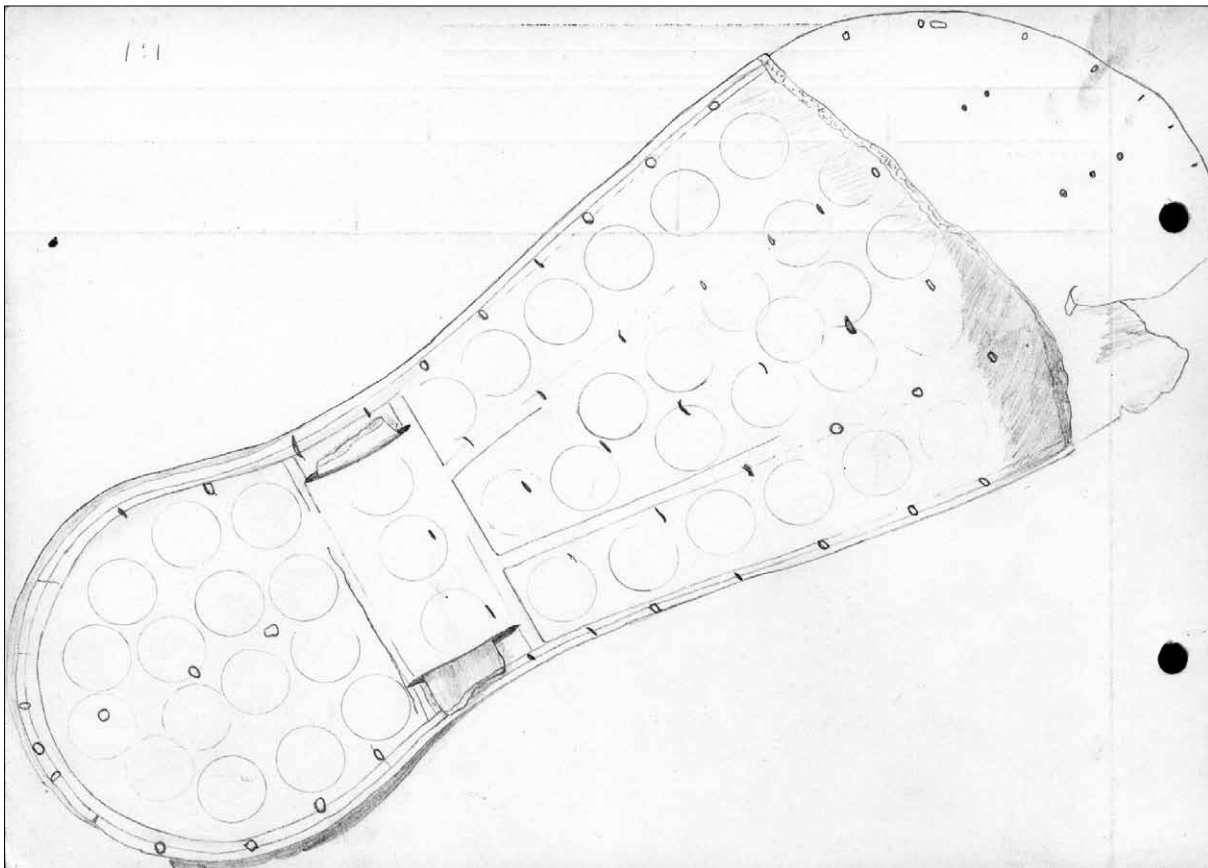




QI 74.2.28/4 (cam-3234). Overviews (dorsal and ventral views).
Scale bar is 50 mm. EES/British Museum, London.

CAT. NO. 27[C]

| | | | | |
|---|---------------------------|--|----------------------|--------------------|
| DATE 82.3.5 | FROM 1978 WORK | UNIT WEST PLAZA CENTRAL SECTION LEVEL 6. ABOVE WEST TEMPLE WALL 0-50 CPS | SANDAL | REG. NO. 82/599 |
| EXC. NO. 64 | DATE OF LEVEL EC-358-0 | DATE OF OBJECT CHRISTIAN | | |
| PHOTO NOS. 82F141/31A 82F142/2A-3A | | SIZE LENGTH 23.2 cms WIDTH 8.7 cms | MATERIALS LEATHER | |
| <p>SHAPED SANDAL, ORIGINALLY OF THREE LEATHER THICKNESSES. LOWEST ONE NOW LOST EXCEPT UNDER INSTEP. UPPERMOST ONE HAS LOST FRONT END. LOWEST SOLE IS FAIRLY THIN, OTHERS FAIRLY THICK.</p> <p>STITCHES ARE ALL LEATHER, PATING THROUGH ALL 3 THICKNESSES, SHOWING VERY NEAT AND SMALL ON TOP. THREE LONGITUDINAL LINES DOWN THE CENTRE AND ONE DOWN EACH EDGE.</p> <p>TOP THICKNESS (ONLY) HAS TWO LONGITUDINAL STRIPS 2 CMS LONG, 6.5 CMS FROM THE REAR. IN THIS, A SCRAP OF CROSS-STRAP SURVIVES.</p> <p>TOP SURFACE DECORATED OVERALL WITH STAMPED AND INCISED DESIGNS. THERE ARE A PAIR OF LINES INSIDE THE RIM, TWO LONGITUDINAL CONVERGING LINES IN THE CENTRAL AREA, CROSS-LINES FLANKING THE CROSS-STRAPS, AND STAMPED CIRCLES IN ALL FIELDS (NO CENTRAL 'CURS' IN CIRCLES).</p> <p>IN PLACES, THIS DECORATION IS MUCH WORN THROUGH WEAR. TINY PIECE DETACHED, TOP FRONT. 2 Facets of Ornate Straps.</p> <p style="text-align: right;">DRAWN OVERLEAF</p> | | | | |



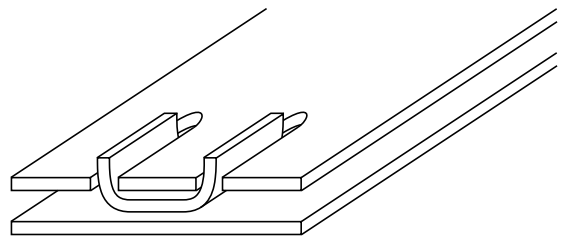
CAT. NO. 27[C] - CONTINUE -



QI 82.3.5/64 (cam-3114).
Overviews (dorsal and ventral
views). Scale bar is 50 mm.
EES/British Museum London.



QI 82.3.5/64 (cam-3114). Detail of the impressed and incised decoration of the dorsal surface of the insole. Scale bar is 10 mm. EES/British Museum, London.



QI 82.3.5/64 (cam-3114). Diagram of the pre-strap/
sole construction.

CAT. NO. 28[C]

| | | | | |
|-------------|--|---|--|-------------------------------|
| 711 | DATE 78.2.2 TIME | SITE... WEST PLAZA GRID No... B204 EC 1-21 LEVEL... 9 DATING... 151-232: D | FRAGMENTS OF UNIDENTIFIED OBJECTS BUT INCLUDING SANDAL FRAG. | B, C BURIED REG. No. 460 PART |
| EXC. No. 42 | PHOTO NOS. (A) 78A81/16 (B) 84F1/31 | MATERIALS LEATHER (also ?GOLD LEAF) | SIZE (A) LENGTH 11 CMS width (max) 5 " | |

THREE FRAGMENTS OF INTERESTING BUT UNIDENTIFIED OBJECTS.

(A) THREE PIECES OF LEATHER FACE TO FACE, ALL OF APPROX. SAME SIZE.

THE TWO TAPERING SIDES ARE ORIGINAL; THE TWO ENDS ARE TEARS.

THEY WERE ATTACHED BY 5 ROWS OF STITCHING, IN LEATHER, MUCH NOW GONE. ONE SIMILAR ROW CROSSING ONE END OF THE SURVIVING FRAGMENT AND ATTACHED ALSO, TO THE UNDER-SIDE, THE REMAINS OF A SMALL STRAP.

THE FRONT PIECE OF LEATHER HAD ALSO TWO DECORATIVE ROWS OF EITHER TINY STUDS OR MORE PARALLEL RING INCISIONS. ALSO DECORATIVE ARE 4 ROWS OF (C) IMPRESSIONS, RUNNING LONGITUDINALLY ALSO.

NO CLUE TO USE. SANDAL FRAGMENT, SURELY

(B) LEATHER FRAGMENT WITH 2 ORIGINAL EDGES AT ABOUT 60°, AND TWO TORN EDGES. ONE ORIGINAL IS SLIGHTLY TURNED OVER BUT NOT SEWN. BEHIND THE OTHER IS REMAINS OF A BACKING PIECE, AND THROUGH BOTH THICKENINGS PASS TWO ROUND HOLES, PROBABLY PUNCHED, DIA. 1.0-1.2 CMS.

SURFACE DYED PURPLISH; ON IT A BORDER OF 2 PARALLEL INCISED LINES WHICH FOLLOW THE ANGLE MADE AT THE EDGES 1½-2 CMS FROM THEM. WITHIN THIS, ~~AREA COLOURED~~ ~~ORANGE~~ ~~AND~~ ~~ONE~~ WHICH HAS REMAINS OF ?GOLD LEAF. ON BACK, TRACES OF (?PAPER) BACKING.

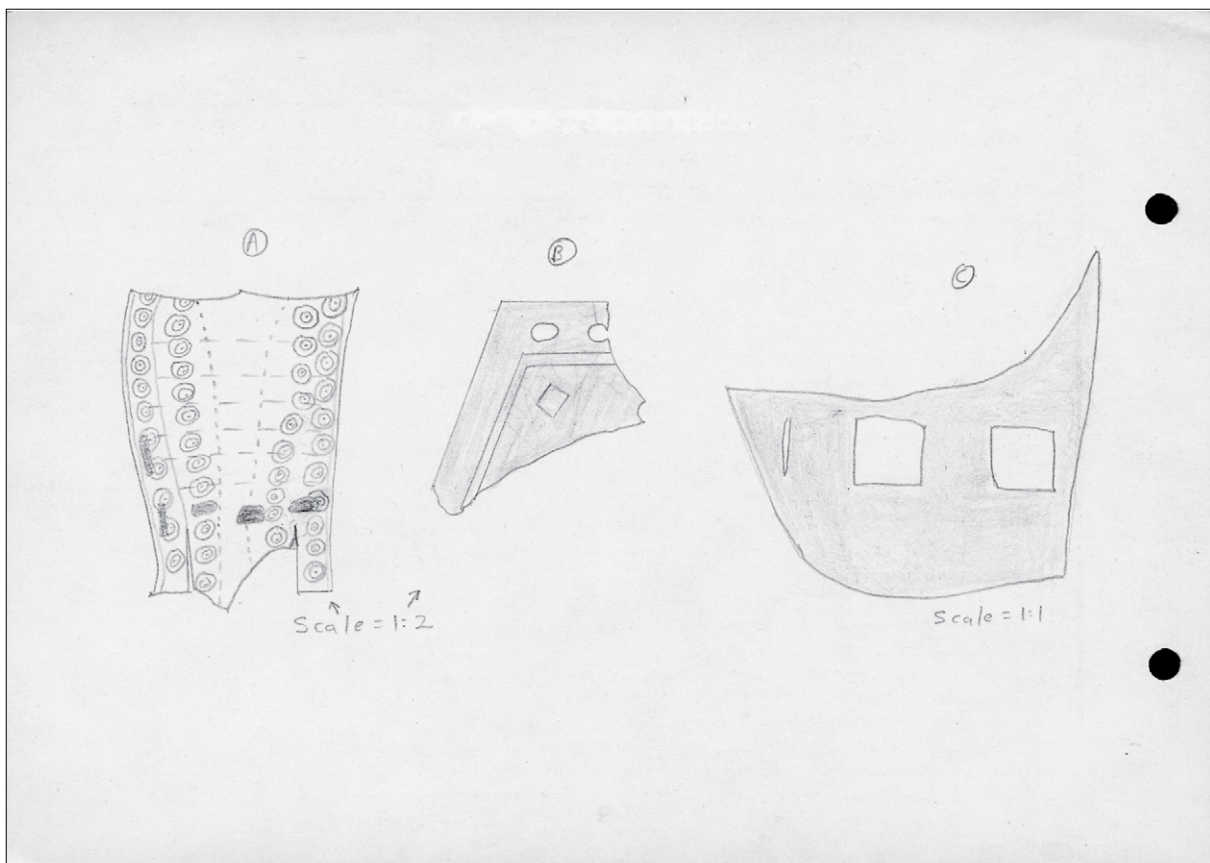
? BOOK COVER. (A) 2 Facets of Oriental Shells

(C) THIN FRAGMENT, ONE ROUNDED ORIGINAL EDGE, WITH ROW OF STITCH HOLES THAT DO NOT FOLLOW THE ROUNDED END. TWO CUT EDGES PROBABLY FROM A RE-USE. TWO CUT-OUT RECTANGLES, 1-1½ CMS SIDE, AND A SLIT, ALL IN LINE. PROBABLY FROM THE ORIGINAL USE? NO CLUE TO USE.

5 7 x 5½ CMS
C 6 x 5 "

(C) Examined & returned, 1982/1983
(B) returned 1984

DRAWN ON BACK



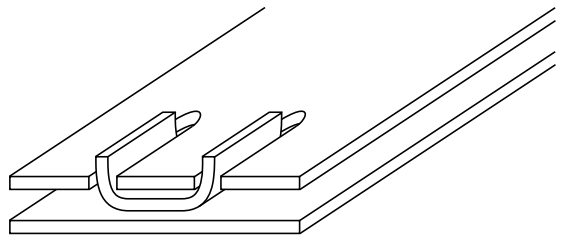
CAT. NO. 28[C] - CONTINUE -



QI 78.2.2/42A (cam-3148). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.



QI 78.2.2/42A (cam-3148). Detail of the impressed decoration of the dorsal surface of the insole. Scale bar is 10 mm. EES/British Museum, London.



QI 78.2.2/42A (cam-3148). Diagram of the pre-strap/sole construction.

CAT. NO. 29[C]

| | | | |
|---|--|----------------------|----------------|
| DATE 90.1.15 | UNIT 10098 | SANDAL | REG. NO. |
| EXC. NO. 48 | LEVEL | DATE OF LEVEL | DATE OF OBJECT |
| PHOTO NOS. 92 F 19 / 5, 6, 7 ; 92 FCS 4/67 | SIZE LENGTH (PRES) 21 CMS (PROBABLY NEARLY ORIGINAL L.) WIDTH 9 CMS | MATERIALS LEATHER | |

ALMOST COMPLETE SANDAL, LACKING PART OF REAR END. LEFT FOOT. WAS VERY CRUMLED WHEN FOUND.

TWO STOUT (EACH 0.75) BUT SOFT THICKNESSES OF LEATHER SOLE, SEW TOGETHER WITH A LEATHER STRAP. ALL STITCHES MARKED BELOW, PROVE (WITH THE SOFT UNDERSIDE OF THE LOWER THICKNESS) THERE WAS A 2ND ONE BELOW. SEWING ALL AROUND THE PERIMETER AND IN TWO LONGITUDINAL LINES IN THE CENTRAL AREA. STITCHES SHOW SMALL (MOSTLY 0.2) ON TOP; TOTAL LENGTH OF STITCH (ABOVE AND BELOW) USUALLY ABOUT 1.2 CMS.

TWO LONGITUDINAL SLITS TO TAKE STRAP FOR REAR END, STARTING ABOUT 6 CMS FROM REAR OF SANDAL (WELL TOWARDS MIDDLE) AND 2.0 LONG. THE UPPER THICKNESS HAS TEAR BETWEEN THEM, UNDER THE STRAP RIPPED IT, BUT SURVIVES SUNK BETWEEN THE THICKNESSES THOUGH DETACHED. THE SLITS CUT THE LOWER THICKNESS TOO, BUT ONLY 1.0 (RIGHT) AND 0.5 (LEFT) LONG, SO THIS IS PROBABLY ACCIDENTAL. THERE ARE TWO HOLES FOR THE FRONT

TIE, EACH 0.5 LONG, ABOUT 0.5 APART, TRANSVERSE, 2.5 AND 3.0 FROM FRONT END. SCRAP OF LEATHER TIE SURVIVES IN THEM. LEATHER TIE, PRESUMABLY THE SAME ONE RUNS FROM ABOUT THAT SPOT (BROKEN END) TO FORWARD EDGE, AND IS KNOTTED THROUGH 2 MORE TRANSVERSE SLITS. THESE REMAINS SECONDARY. ALL 4 FRONT SLITS ARE IN UPPER THICKNESS ONLY.

TOP SURFACE DECORATED. SINGLE INCISED LINE FOLLOWS PERIMETER 0.2, INSIDE IT. THEN A PAIR SUCH, VARIABLY 0.25 - 0.35 APART, OUTER ONE USUALLY 0.4 - 0.6 IN FROM THE SINGLE ONE (UNUSUALLY CARELESS TO VARY SO MUCH). THEN A FURTHER PAIR, USUALLY 0.25 APART, OUTER ONE 0.7 - 0.85 FURTHER IN.

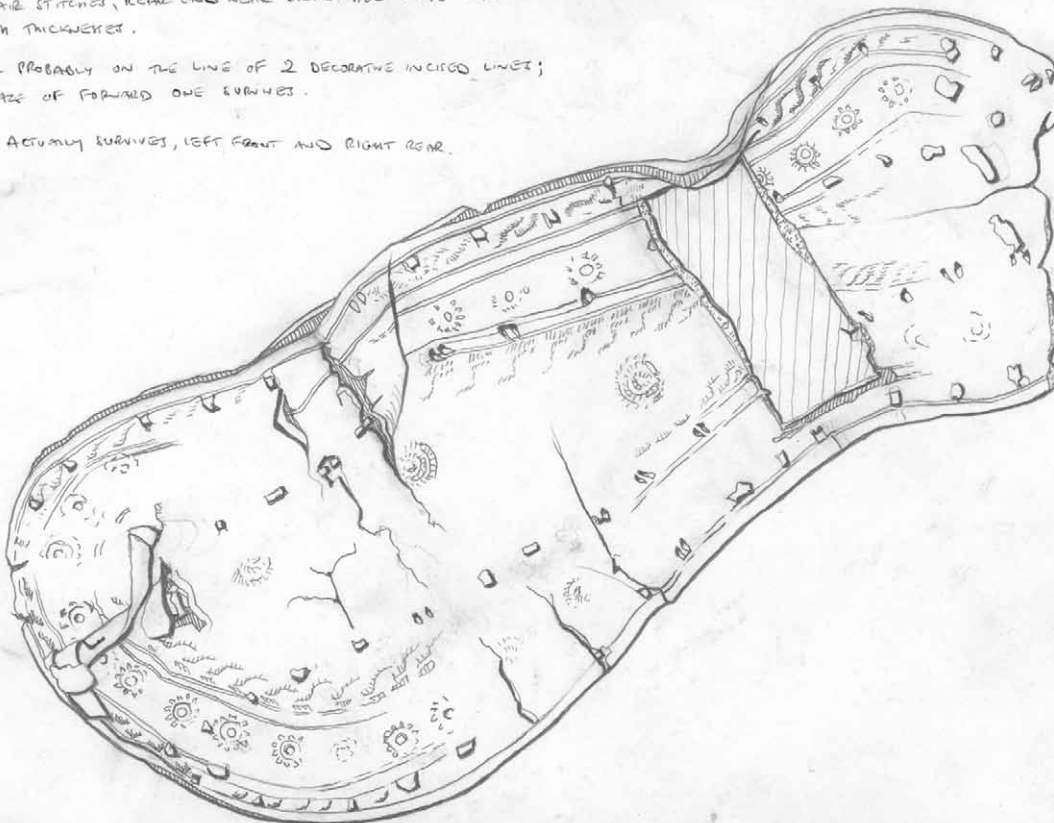
IN FIELD BETWEEN THE 2 PAIRS. (SUN) STAMPED IMPRESSIONS, OUTER CIRCLE DIA 0.4, OVERALL 0.6 DIA. CENTRES SPACED ABOUT APART, MOSTLY VERY WORN. FURTHER LONGITUDINAL ROW AT THE CENTRE, WITH A LARGER STAMP (O) ONLY, DIA 0.8, ONLY 2 SURVIVE THE USAR, CENTRES 0.2 APART. JUST WITHIN THE FIELD OF THE CENTRE, CLOSE TO THE INNERMOST LINE, ROW OF RUNNING DOG! STAMPS. STAMPED ROW WITH LARGER STAMP, IN THE OUTER FIELD BETWEEN SINGLE LINE AND OUTER PAIR. THE STITCHES DO NOT REPEAT THE DECORATION.

SINGLE STITCH HOLE, PURPOSE UNCLEAR, IN CENTRE (P)

JUST AHEAD OF STRAP LINE. ROW OF TRANSVERSE LEATHER REPAIR STITCHES, REAR END NEAR BREAT. ALL THESE THROUGH BOTH THICKNESSES.

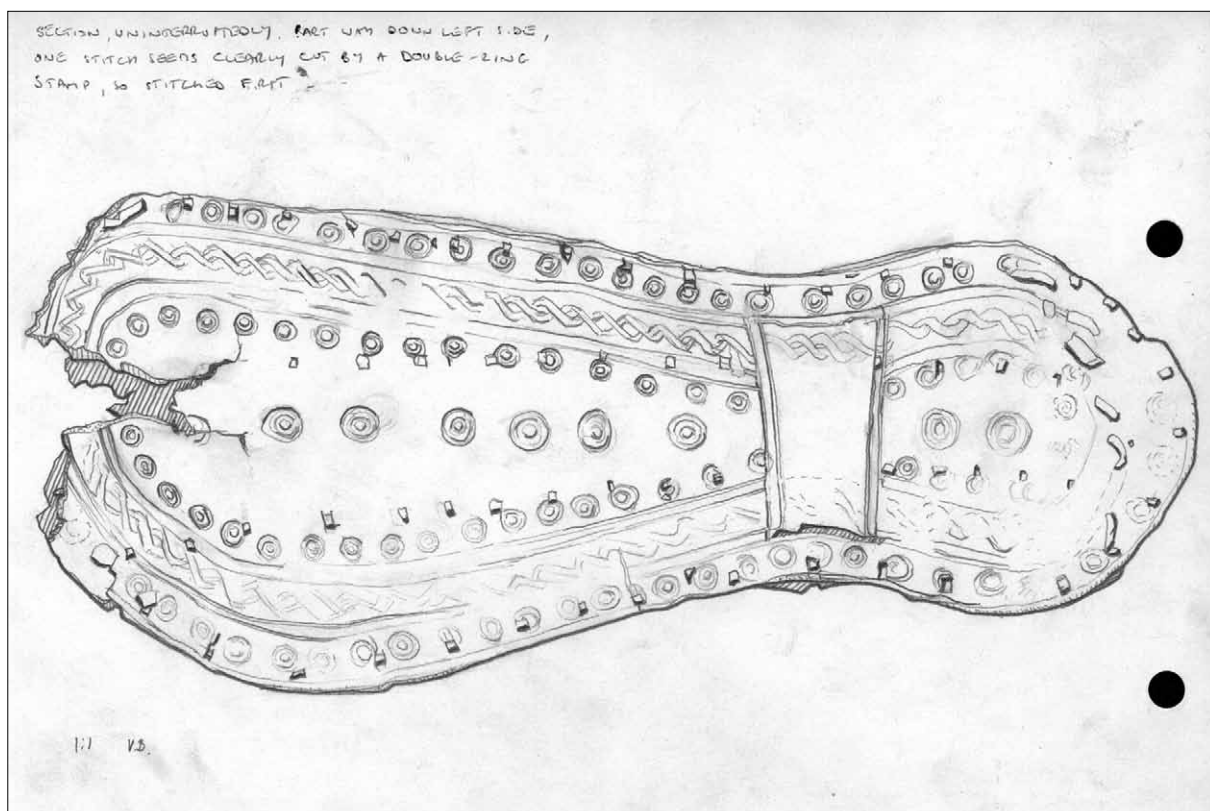
*OR PROBABLY ON THE LINE OF 2 DECORATIVE INCISED LINES; TRACE OF FORWARD ONE SURVIVES.

** ACTUALLY SURVIVES, LEFT FRONT AND RIGHT REAR.



CAT. NO. 30[C]

| | | | |
|--|--|--|----------|
| DATE 1992 | UNIT 10206 | SANDAL | REG. NO. |
| EXC. NO. 10206/AG | LEVEL | DATE OF OBJECT EC | |
| PHOTO NOS. 92 FCS 16 92 F123/5 (underside) ; 6 (upper side) | SIZE LENGTH 21.0 CMS WIDTH 8.4 " | MATERIALS LEATHER | |
| <p>[SF 2307] PART</p> <p>ALMOST COMPLETE SANDAL. LEFT FOOT. FRONT END PARTLY LOST AND OTHER NEAR TO UNDERSIDE.</p> <p>3 THICKNESSES OF STOUT LEATHER, EACH 0.2, TOGETHER 0.6-0.7 VARYING, SEWN TOGETHER WITH LEATHER, AROUND PERIMETER AND IN TWO LONGITUDINAL LINES NOT PARALLEL BUT CONVERGING TOWARDS HEEL, OMITTED BETWEEN CREST-LINES OF HEEL, DIVERGENCE AGAIN IN HEEL AREA. STRAPS WITH 0.2 - 0.25. STITCHES DONE SO AS TO SHOW MINIMALLY ABOVE AND BELOW, GENERALLY ABOUT 0.2 IN EACH CASE. TOTAL LENGTH OF A STITCH USUALLY 0.9 - 1.1 CMS.</p> <p>LONGER STITCHES SHOWING AT LEFT AND RIGHT FRONTS AND AROUND HEEL, FEEL REPAIRS. THERE ARE THE PLACES WHERE THE BOTTOM THICKNESS IS LOST (THERE IS ALSO A LONG LONGITUDINAL SPLIT IN THE CENTRAL AREA) SO PRESUMABLY THERE WERE REPAIRS TO TRY TO ADDRESS THE EARLY DEVELOPMENT OF THESE DEGRADATIONS.</p> | | <p>2 LONGITUDINAL SLEETS TO THREE STRAP, USUAL POSITION AT HEEL, 1.8 LONG (LEFT) 2.2 (RIGHT) (BUT RIGHT PARTLY PARTLY SPLIT), STARTING 2.5-5 FROM REAR END. NO FRONT TIE-HOLE SURVIVED BUT IT WAS PROBABLY 4-5 CMS FROM FRONT, REAR-HOLE BEGINS.</p> <p>DECORATION BY INCISION AND STAMP AS USUAL. SINGLE INCISED PERIMETER LINE 0.2 IN; FING 0.5-0.7; PAIR OF LINES 0.1-0.2 APART (RATHER VARIABLE); FING 0.7-0.8; ANOTHER PAIR 0.2 APART (MORE CONSISTENT). TWO PAIRS OF LINES AROUND HEEL, 0.15-0.25 APART, LEAVING FING 1.7-1.9 WIDE, FOR WHICH THE INNER PAIRS OF LONGITUDINAL LINES HAVE (THOUGH THE INNERMOST LEFT SEEMS TO GO ON IN PART) AT THE OUTER CROSS-LINES. SO THE CROSS-LINES PROBABLY WERE FIRST. THE STRAP-SLEETS FALL WITHIN THE OUTER PAIRS OF LONGITUDINAL LINES.</p> <p>OUTERMOST FING FING ALL AROUND WITH DOUBLE-RING MOTIF STAMPS, DIA 0.4 AND SPACED ABOUT 0.16 APART. SAME STAMP APPLIED ALL AROUND, JUST WITHIN INNERMOST FING, CLOSE TO INNERMOST PAIR OF INCISED LINES.</p> <p>SINGLE LINE OF TRIPLE-RING MOTIF STAMPS LONGITUDINALLY ALONG THE CENTRE. (DOUBLE AND TRIPLE - BOTH CAME FOR ALONG THE CENTRE, THEN RESUME). DIA OF TRIPLE-RING IS 0.7 (THOUGH DISTORTION MAKES IT OFTEN APPEAR LESS). IN FING BEGINS. THE PERIMETER PAIRS OF LINES, CONTINUOUS DOUBLE-LINE STAMPED MOTIF, THESE DO APPEAR IN THE UNITED (PT)</p> | |



CAT. NO. 31[C]

| | | | |
|--|--|------------------------------|----------|
| DATE 85.12.20 | UNIT 939 PLAZA | FRAGMENT OF SANDAL | REG. NO. |
| EXC. NO. 347 | LEVEL + | DATE OF OBJECT X-CP TO EC | |
| PHOTO NOS. 88F 118/4A-5A 88F 12/37-38 88F 13/13A-15A 88F 25/13 (detail) | SIZE LENGTH 13.5 cms WIDTH 7.9 cms | MATERIALS LEATHER | |

FOUND 23.1.1984

CUSTOM PART OF RIGHT FOOT SANDAL.

MOST OF RIGHT SIDE LOST

SINGLE THICKNESS FAIRLY THICK (CO. 2)

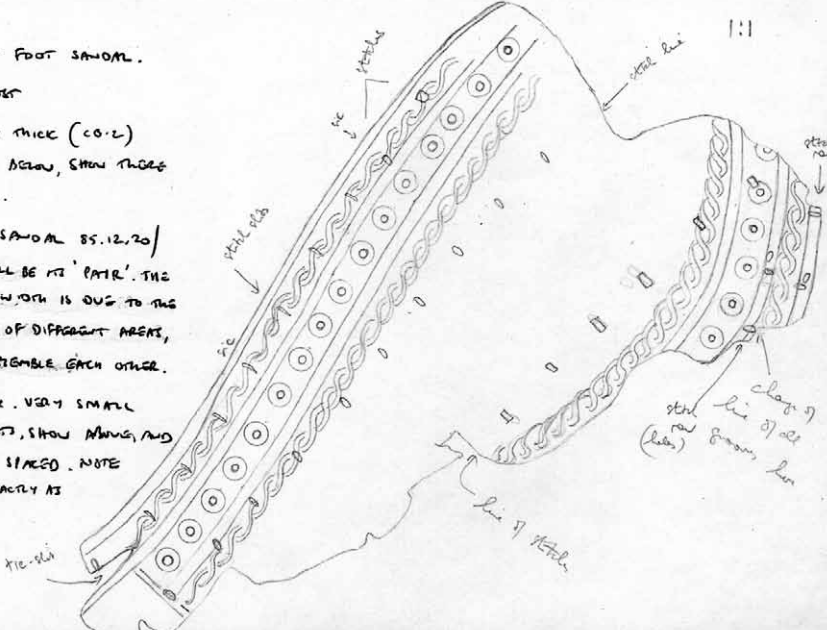
SOLE. STITCHES, ALL BRAKES BELOW, SHOW THERE WAS ANOTHER THICKNESS.

CLOSELY RESEMBLES LEFT SANDAL 85.12.20/318, AND COULD VERY WELL BE ITS 'PAIR'. THE APPARENT DISPARITY IN WIDTH IS DUE TO THE ACCIDENT OF PRESERVATION OF DIFFERENT AREAS, AND THEY VERY CLOSELY RESEMBLE EACH OTHER.

STITCHING LIKE /318, I.E. VERY SMALL STITCHES, ONLY ONLY SUR, SHOW MOUNT, AND THERE ARE REGULARLY SPACED. NOTE SPACING IS APPROX 1.1 CMS, EXACTLY AS /318.

P.T.O.

of 85.12.20/318, 345

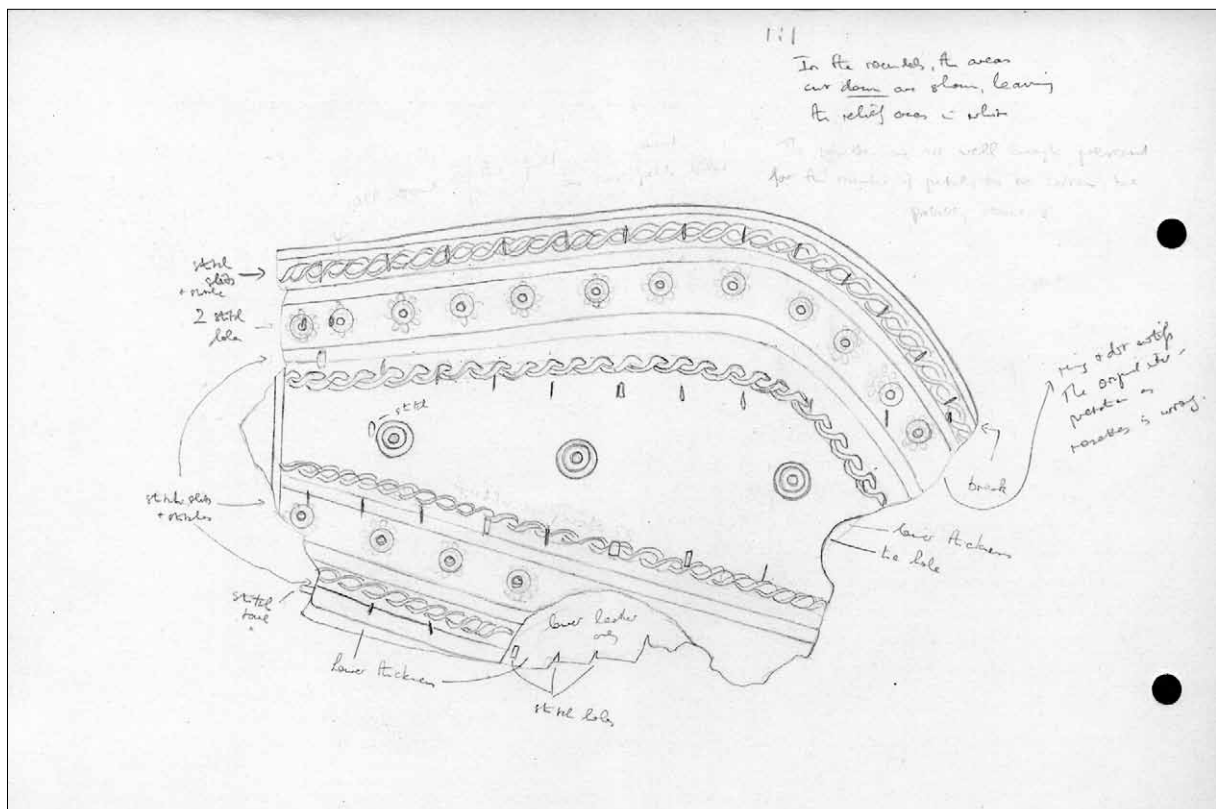


FOUR LINES OF STITCHES, AS IN /318, BUT NOTE EXTRAS AT FRONT RIGHT; UNCLEAR HOW THESE FITTED IN.

STAMPED MOTIFS ARE 'RUNNING DOG' IN TWO FIELDS, WITH RING AND DOT BETWEEN. THE 'RUNNING DOG' IS CAUSED BY TWO (NOT ONE) CUTS PER MOTIF. THE RING AND DOT IS CAUSED BY TWO CONCENTRIC BUT GROOVES, LEAVING THE CENTRAL DOT RAISED. THIS IS THE SAME PAIR OF MOTIFS AS /318, SAME SIZE, SAME SPACING. THE CENTRAL ROW OF 3 CON. CONCENTRIC CIRCLES OF /318 COULD NOT BE SEEN; IT WAS POSSIBLY PRESENT BUT WORN DOWN - THERE ARE POSSIBLE INDICATIONS BUT UNCERTAIN.

CAT. NO. 32[C]

| | | | |
|--|---|--|----------------------|
| DATE 85.12.20 | UNIT 1050 HOUSE Room 3 LEVEL STAIR FILL | FRAGMENT OF SANDAL | REG. NO. |
| EXC. NO. 318 | DATE OF LEVEL EC2 | DATE OF OBJECT | |
| PHOTO NOS. 86F80/4-5 84F118/15A-14A 88F25/14-15 (damaged) 88F10/6A-8A (summed), 88F12/34-36 | | SIZE Length 12.8 cm Max. Pres. Width 8.0 cm | MATERIALS LEATHER |
| <p>FOUND 15.2.1984</p> <p>DAMAGED FRONT HALF OF SANDAL - PROBABLY LEFT ONE.</p> <p>TWO THICKNESSES OF MEDIUM THICKNESS LEATHER JOINED BY FOUR ROWS OF LONGITUDINAL STITCHES (LEATHER) WHICH ARE TIGHT, USUALLY ONLY TIGHT, ABOVE AND NOT VERY LARGE BEAMS, MOST LENGTH BEING BETWEEN AND INSIDE THE LEATHER PIECES. (cf 117.)</p> <p>SMALL PARTS OF A 3RD THICKNESS SURVIVE BELOW, IN SAME STITCHES. ADDITIONAL STITCH FRONT ^{LEFT} (TAIL OF THREAD?), ONE LOWER COUNTER AND A PAIR OF HOLES UNDER LEFT.</p> <p>TOP SURFACE DECORATED WITH GROOVES FOLLOWING EDGE LINE AND ACROSS SANDAL "COUNTER", ALL IN PAIRS EXCEPT SINGLE ALONG EDGE.</p> <p>REPAIR ALL RATHER CAREFULLY CUT. STAMP OF 3 CONCENTRIC CIRCLES RUNS UP COUNTER LINE (DIA 0.65) (MUCH WORN) AND RING AND DOT* IN</p> | | <p>SECOND FIELD IN RUNNING DESIGN ^{SAME} STAMPED IN CENTRAL AREA, AROUND THE EDGE; STAMPED DESIGN ALSO IN EXTERIOR FIELD, NEAR EDGE</p> <p>FRONT TIE MORE VISIBLE IN BREAK, UPPER THICKNESS</p> <p>NOTE THE VERY REGULAR AND CAREFUL STITCHING. WHERE A SS MOTIF AND A STITCH COINCIDE, THE STAMP OCCURS ON THE STITCH, SO WAS DONE LATER. WHERE A CROSS-CUT AND SS MOTIF COINCIDE, IT IS NOT POSSIBLE TO TELL WHICH WAS FIRST.</p> <p>cf 85.12.20/347, 345, THE FORMER COULD WELL BE ITS 'PAIR'.</p> <p>* ACTUALLY RING AND DOT, FORMED BY TWO CONCENTRIC GROOVES. THE ILLUSION OF ROSETTES IS CAUSED BY THE WAY THE LEATHER CRACKS</p> <p>DRAWING OVERLAP</p> | |



CAT. NO. 33[C]

| | | | |
|---|--|-------------------------------|----------|
| DATE 85.12.20 | UNIT 939 PLAZA | FRAGMENT OF SANDAL | REG. NO. |
| EXC. NO. 345 | LEVEL + | DATE OF OBJECT (X-CP -) EC | |
| PHOTO NOS. 84F113/23A-24A (cat.) 88F19/16A, 88F29/4-6 | SIZE LENGTH 13.2 cms WIDTH 9.0 cms | MATERIALS LEATHER | |

FRONT END OF LEFT SANDAL. FOUND 25.1.1984

TWO THICKEST LARGELY COMPLETE, AND SMALL PART OF 3RD BELOW.

LEATHER HAS GONE 'GLASSY' IN BACK, WHICH IS MODERN.

THE 3 THICKEST SEEN ALL ABOUT EQUAL THICKNESS, TOTALING ABOUT 0.6 CMS. THE UNDERSIDE OF THE MIDDLE ONE LOOKS RED, AND THE WHOLE MAY HAVE BEEN.

FOUR LONGITUDINAL ROWS OF LEATHER STITCHES, OF WHICH THE TWO OUTSIDE ONES CONTINUE AROUND THE FRONT END. MADE SO AS TO PROTECT FOR AS SHORT A DISTANCE AS POSSIBLE BELOW AND, ESPECIALLY, ABOVE. FAIRLY EVENLY SPACED ABOVE.

COMPLICATED GRID OF SLITS FOR FRONT TIE, PROBABLY 6 IN A CIRCLE. IN THREE STRIPS OF LEATHER THON 0.5 CM WIDE BUT NOT CERTAIN IF ALL THREE WERE TIE OR SOME STITCHING TO HOLD IT.

TOP
STAMPED TRIPLE ROUNDELS ALL AROUND EDGE, MADE

SO THAT CENTRE IS IN RAILED RELIEF.

PATTERN OF PUNCTURE MARKS, EITHER STAMPED OR JUST PUSHED IN, WITHIN THESE.

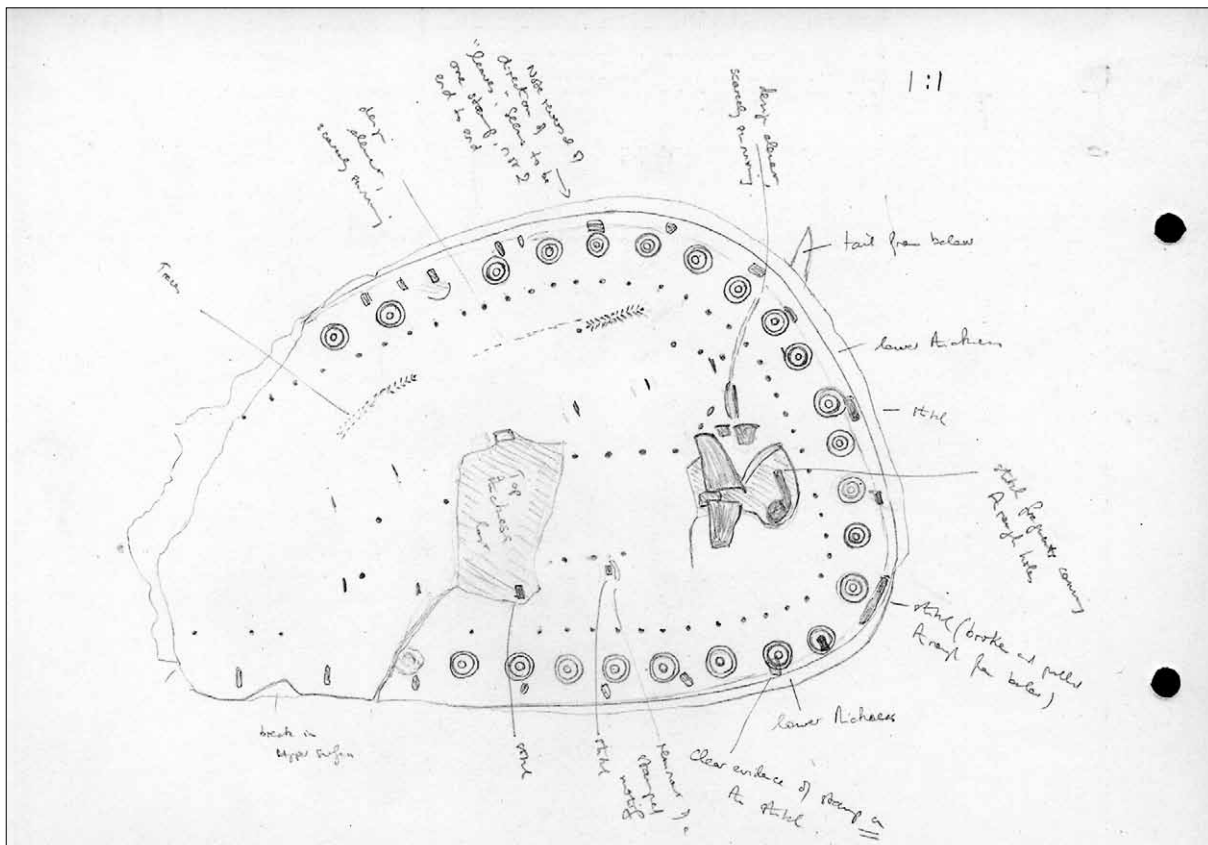
NO CUNT GROUNDS TO BE SEEN, SURVIVING TRACES OF STAMPED & MOTIFS, APPROXIMATELY BACK TO BACK. SURVIVING PART CRACKED AND IN DANGER OF BREAKING UP.

cf 85.12.20/318, 347

NOTE ROUNDELS ARE TRIPLE, INCLUDING /318 AND /347 WHICH ARE VIRTUALLY CONTAINING ONLY DOUBLE. ALSO, ALTHOUGH DIA VARIES WITH STRETCH OF LEATHER, THEY REALLY DO SEEM SMALLER THAN THE ROW UP THE CENTRE OF /318, SO THE STAMPS SEEM NOT THE SAME.

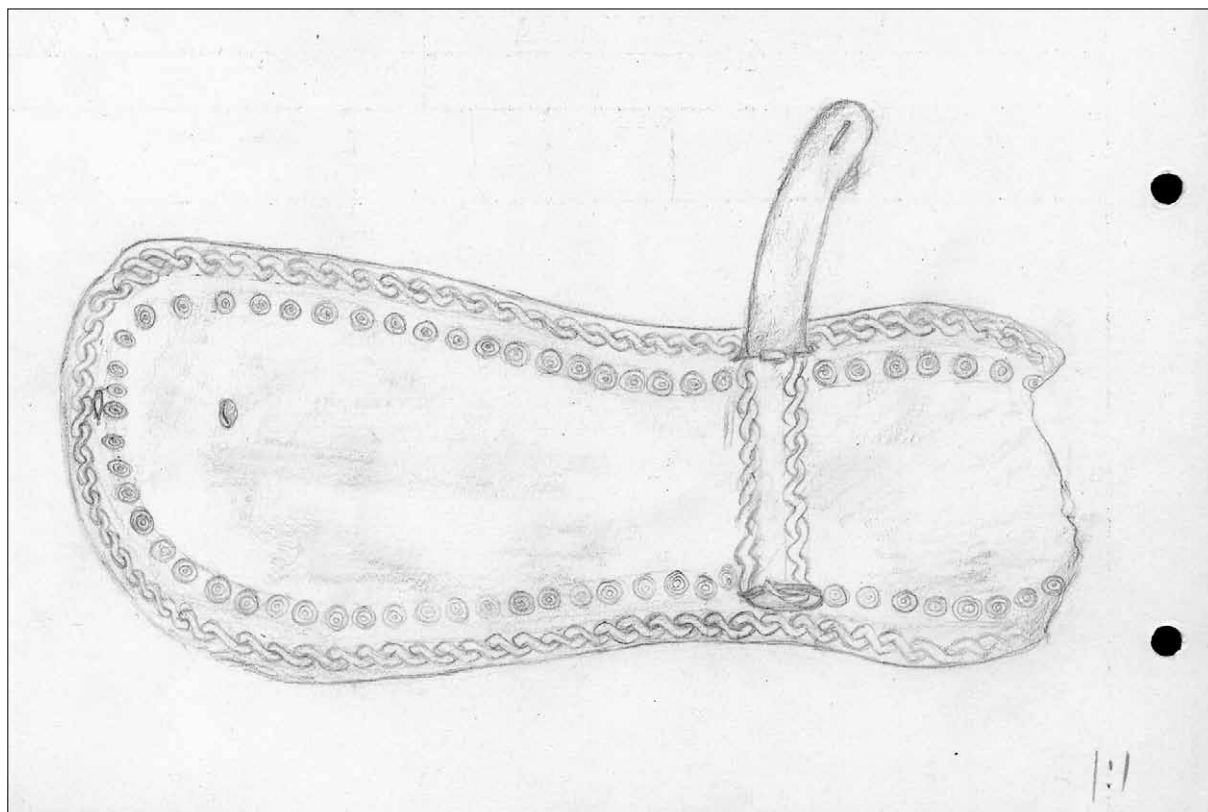
NOTE ONE OF THE FRONT RIGHT STITCHES IS CLEARLY AND INDUBITABLY CUT BY THE ROUNDEL STAMP, SO STITCHING BEFORE STAMPING.

DRAWING OVERLEAF




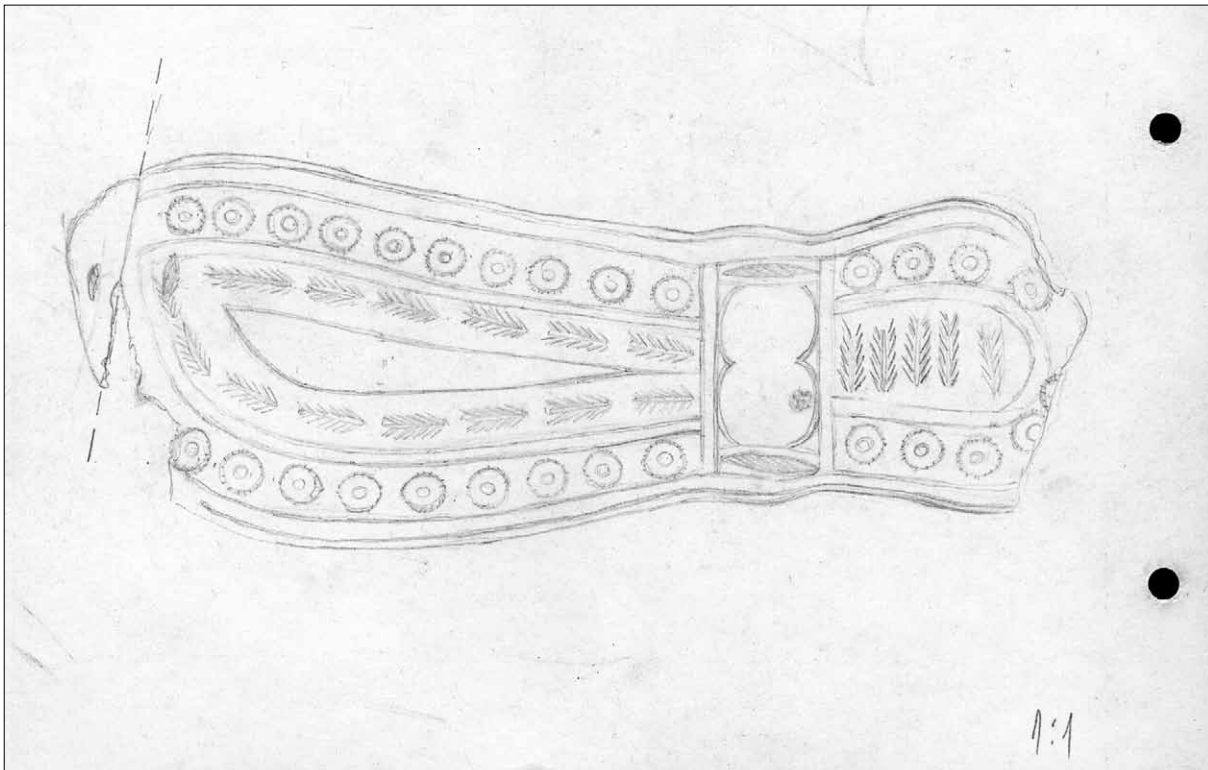
CAT. NO. 34[C]

| | | | |
|---|---|-----------------------------|--------------------|
| DATE 85.12.26 | UNIT HOUSE 138 | SANDAL | REG. NO. 86/846 |
| EXC. NO. 49 | LEVEL 1 | DATE OF OBJECT CHRISTIAN | |
| PHOTO NOS. 86 F77/22 86 F77/10 side 1 " " " " 2 | SIZE LENGTH (PRES) 18.0 " (ORIGINAL) (EST) 19.0 WIDTH (SOLE) 7.5 | MATERIALS LEATHER | |
| <p>LEFT SANDAL:</p> <p>SINGLE THICKNESS SOLE.</p> <p>TWO SMALL HOLES IN LEAD 2.1 CM APART, FOR (LOST) FRONT TIE.</p> <p>LONGITUDINAL SLIT 1.5 CM LONG, 4.0 CM APART, FOR REAR TIE. THIS SURVIVES IN PART — STRAP 1.1 CM WIDE. IN THE END OF THIS THIS SLIT LONGITUDINAL</p> <p>LEATHER THONG SCARF SURVIVES</p> <p>THONGS</p> <p>STRAP UNDECORATED. SANDAL HAS PERIMETER DECORATION, CONTINUOUS AND TRIPLE RING, AND THE FORMER RUNS ACROSS ALSO IN TWO LINES, OVER THE STRAP — WHICH INCIDENTALLY SHOWS BLOW AND WOULD WEAR EASILY.</p> <p>THE TRIPLE-RING MOTIF IS CLEARLY MADE DIVIDED TO CARE</p> <p>WITH A PUNCH, AND THERE ARE SEVERAL 'RE-ENTRIES' ALONG FRONT SIDE, I.E. PARTIAL DOUBLING OF THE IMPRESSION. THE RUNNING MOTIF ARMED PUNCHES ALSO, BUT CAREFULLY ALIGNED.</p> <p>UNDERLINE PLAIN. SOME UNDERLINE WEAR AND MOST WORN — END OF HEEL LOST — BUT LITTLE WEAR OF SOLE. FRONT CURVED VI BY PRESSURE OF TOE, ESPECIALLY BIG TOE. CERTAINLY LEFT FOOT. PERHAPS A WOMAN'S SANDAL (SIZE). OF 85.12.26/50 BUT THIS IS ALSO LEFT AND OFFERS SO NOT A PAIR. RED LEATHER</p> <p>DRAWING OVER.</p> | | | |




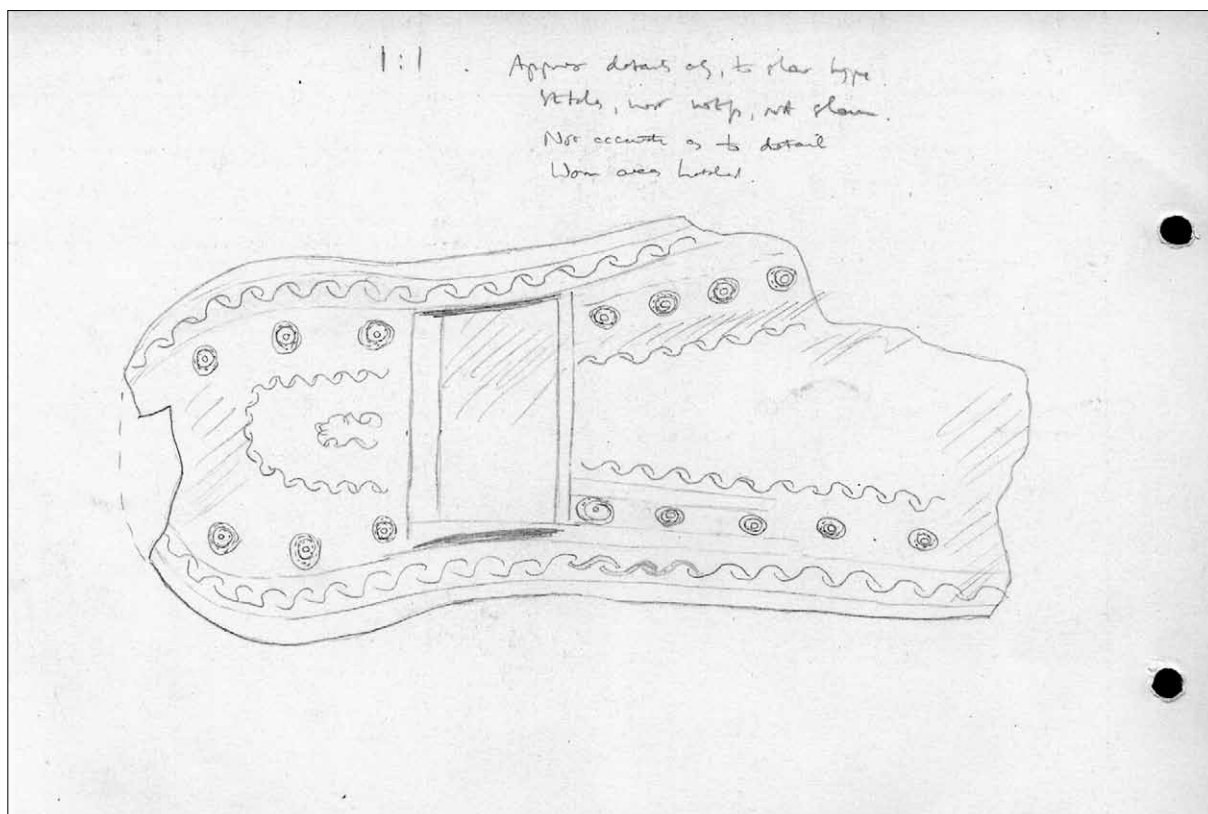
CAT. NO. 35[C]

| | | | |
|---|---|--|--------------------|
| DATE 85.12.26 | UNIT <u>HOUSE 138</u> LEVEL <u>1</u> | SANDAL | REG. NO. 86/847 |
| EXC. NO. 50 | DATE OF LEVEL | DATE OF OBJECT CHRISTIAN | |
| PHOTO NOS. 86 F86/20A, side 1, sun angle 1 " " 21A, " 2 " " 22A " " | SIZE cm LENGTH (PASS.) 18.0 (IF TOE UN- ROLLED). ORIGINAL LENGTH 18.5 cm. WIDTH 6.6 cm. | MATERIALS LEATHER | |
| <p>LEFT SANDAL.</p> <p>SINGLE THICKENED STOUT SOLE.</p> <p>TWO SMALL NILES IN LINE 1.9 cm APART FOR (LOST) FRONT TIE.</p> <p>TWO SLITS 1.6 cm LONG FOR REAR STRAP - DISTORTION SHOWS THIS PAIRED UNDER AT 85.12.26/49. STRAP LOST.</p> <p>UNDERSIDE PLAIN.</p> <p>FRONT END DAMAGED AND REAR END LOST.</p> <p>UPPER SIDE ELABORATELY DECORATED, ZONE DEMARKED FOR STRAP BY CROSS LINES (PARASO) AND SINGLE DEEPLY STAMPED 'ROSETTE' MOTIF CLEARLY REMAINS. ALMOST EFFACED BY WEAR ARE 2 OVERLAPPING CIRCLES FILLING THE ZONE PARALLEL WITH OTHER (IDENTICAL?) MOTIFS IN, AND TWO SHORT LONGITUDINAL FINE LINES ALONGSIDE SLITS.</p> <p>Divided to Cairo</p> | | <p>REMAINDER OF SOLE ELABORATELY DECORATED WITH INCISED LINES AND STAMPED MOTIFS.</p> <p>MOTIFS ARE DOUBLE CONCENTRIC CIRCLE, OUTER COGGED, (DIA 0.75 cm, TOO LARGE TO BE THE ONE USED OVER THE STRAP, IT APPEARS) AND HERRINGBONE / BRANCH WITH DOUBLED RIB (OR PERHAPS MORE PROPERLY, A GAP BETWEEN THE TWO LINES OF BRANCHES  LATTER IS APPLIED LONGITUDINALLY FORWARD OF THE STRAP BUT LATERALLY TO ITS REAR, ALL RUNNING SAME WAY, (SAFE TO LEFT).</p> <p>HEEL MUCH MORE WORN THAN SOLE.</p> <p>SMALL SIZE, PERHAPS WOMAN'S, cf 85.12.26/49, BUT THIS IS ALSO LEFT, THICKER LEATHER AND DIFFERENT DESIGN, & NOT A PAIR.</p> <p>BLACK LEATHER.</p> <p>DRAWING OVER.</p> | |



CAT. NO. 36[C]

| | | | |
|--|--|--|----------------------|
| DATE 89.12.23 | UNIT ROOM 237 13.003 LEVEL UNSTRATIFIED | FRAGMENT OF SANDAL | REG. NO. 90/324 |
| EXC. NO. 16 | DATE OF LEVEL | DATE OF OBJECT EC | |
| PHOTO NOS. 90F21/7, 9 | | SIZE LENGTH 16.0 WIDTH 6.8 (AS PRES) | MATERIALS LEATHER |
| <p>SANDAL FRAGMENT, PROBABLY LEFT SANDAL REAR END (DAMAGED) AND CENTRE, FRONT LOST.</p> <p>2 THICKENETS OF FAIRLY THICK (0.15) TANNED LEATHER; SEW TOGETHER WITH LEATHER, ALL AROUND THE EDGE AND IN TWO LONGITUDINAL LINES, APPROX 5 1/2 STITCHES PER 5 CM. ALL STITCHES ARE BROKEN ON UNDERSIDE, SO THERE WAS AT LEAST ONE OTHER THICKENET BELOW.</p> <p>TWO PARALLEL LONGITUDINAL SLITS TO TAKE CROSS-STRAP, THESE ARE 2.6 AND 2.7 LONG RESPECTIVELY, THESE START 5.0 FROM REAR.</p> <p>DECORATION ON UPPER SURFACE, TYPICAL OF EC SANDALS OF THIS TYPE, CONSISTING OF INCISED LINES AND STAMPED MOTIFS.</p> <p>THE INCISED LINES RUN AROUND THE EDGE (3, INNER PAIR CLOSE TOGETHER) AND DOWN THE FRONT AREA (2 PAIRS), AT 1 CM AT APOX TO DEFINE THE CROSS-STRAP AREA (2 PAIRS).</p> <p>STAMPED MOTIFS ARE OF 2 TYPES, A CONTINUOUS RUNNING DOG-TYPE  AND A RAYED CIRCLE WITH RAISED DOT IN MIDDLE.</p> <p>FRONT BREAK SHOULD BE CLOSE TO TIE HOLE, BUT NOT VISIBLE.</p> <p>SKETCH OVER</p> <p>DRAWING ON SEPARATE SHEET,</p> | | | |




CAT. NO. 37[C]

| | | | |
|---------------------------|--|----------------------|----------|
| DATE 90.1.2 | UNIT 10.053 | SANDAL | REG. NO. |
| EXC. NO. 32 | DATE OF LEVEL | DATE OF OBJECT | X-GP |
| PHOTO NOS. 90f55/12,14 | SIZE LENGTH 22.9 cms WIDTH 8.8 cms | MATERIALS LEATHER | |

LEFT SANDAL, COMPLETE EXCEPT PART LOWER SOLE AND PART TIES. SIMILAR TO 90.1.2/33 BUT NOT A PAIR (SEE 33 CARD).

TWO THICKNESSES OF SOLE, BOTH MEDIUM THICKNESS (EACH 0.15) TANNED LEATHER

TOGETHER SEWN AROUND THE EDGE AND DOWN THE MIDDLE WITH SMALL NEAT LEATHER STITCHES, AROUND SO THAT AS LITTLE AS POSSIBLE IS DISAPPEARED, WITH


 NOT TO SOLE

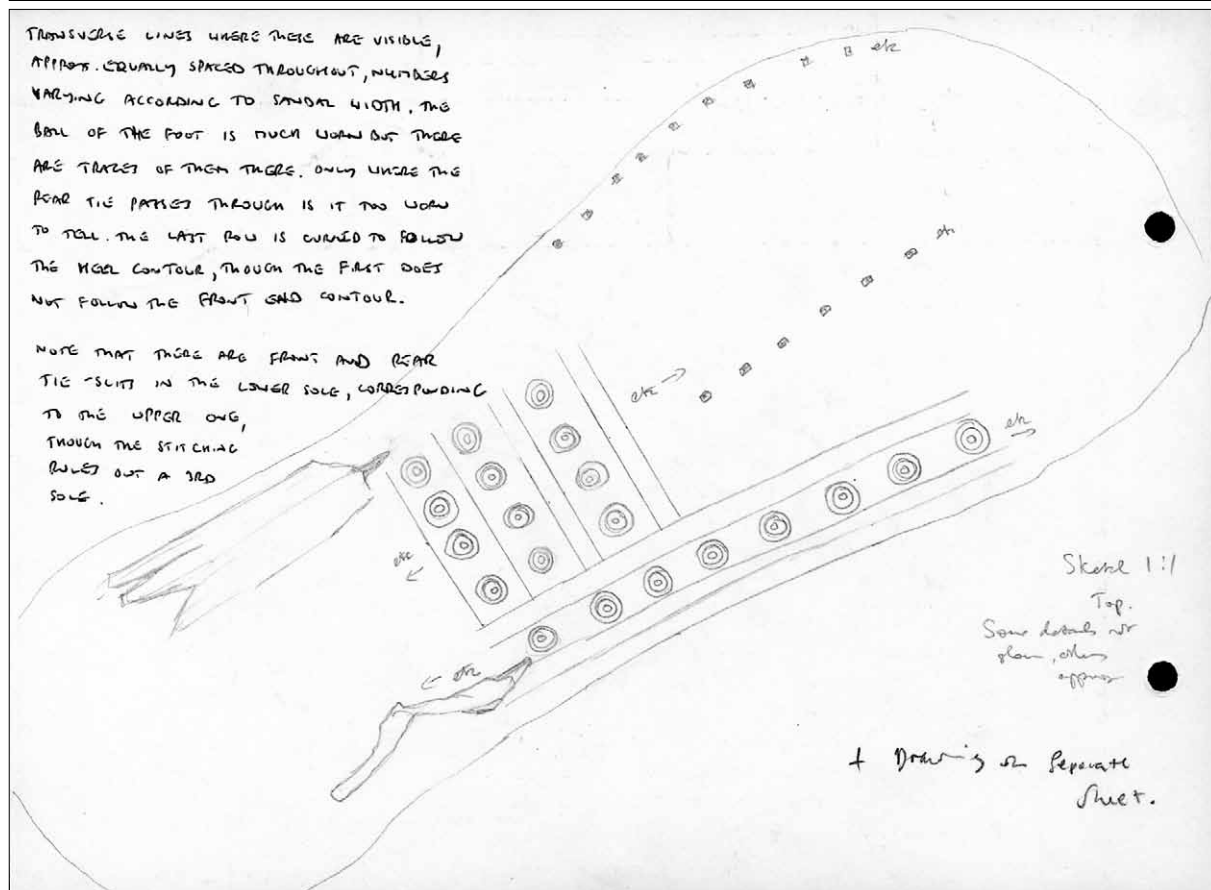
A SINGLE, NOT DOUBLE, STRAND CO.2 LINES. STITCHES ARE 6.2-7 FOR 5 CTS. MOST STITCHES ARE INTACT, SO NEAR A 3RD THICKNESS.

2 TRANSVERSE SLEETS FOR FRONT TIE, 0.7 (FRONT) AND 0.9 LONG, 2.1 APART. 2 LONGITUDINAL SLEETS NEAR EDGE, TO TAKE REAR TIES, 1.7 (RIGHT) AND 1.9 (LEFT) LONG, STARTING 6.2 FROM REAR EDGE FURTHEST POINT. PART OF TIE SURVIVES, LEATHER STRAND PASSING BETWEEN THE SOLES. RIGHT SIDE WIDTH IS DAMAGED, LEFT SIDE IS 1.2-1.3. AT 4.3 FROM

POINT OF EMERGENCE, IT IS DIVIDED BY LONGITUDINAL CUTS, 2 SURVIVING (1 OF THEM IN MIDDLE) TO 1.0 LENGTH, PROBABLY ORIGINALLY 3. UNLESS ACCIDENTAL, THESE MUST HAVE JOINED THE TIE FROM THE OTHER SIDE OVER THE TOP OF THE FOOT (OR TAKEN A STRAP ??)

TOP OF UPPER SOLE, ONLY, DECORATED. PAIR OF INCISED LINES AROUND EDGE; FURTHER PAIR, ASSUME ONE OF TWO (OTHER WORN AWAY) LONGITUDINALLY FURTHER TOWARDS CENTRE, UNDER INTER. 2 PAIRS AND 2 SINGLES TRANSVERSE AROUND INTER. THE INNER LONGITUDINAL PAIR IS VISIBLE AGAIN AROUND FRONT AND AROUND REAR. FURTHER TRANSVERSE PAIR VISIBLE NEAR FRONT END. THE SURFACE IS MUCH WORN AND MORE PERHAPS LOST.

THE OTHER ELEMENT IS A STAMPED TRIPLE CIRCLE  DIA. 0.5 CMS. THESE RUN ALL AROUND THE EDGE BETWEEN THE PAIRED LINES, AND ARE CUT BY THE REAR TIE SLEETS, WHICH ARE THEREFORE LATER. RUNS RUN PERPET, BETWEEN THE (PAIRS OF)



CAT. NO. 38[C]

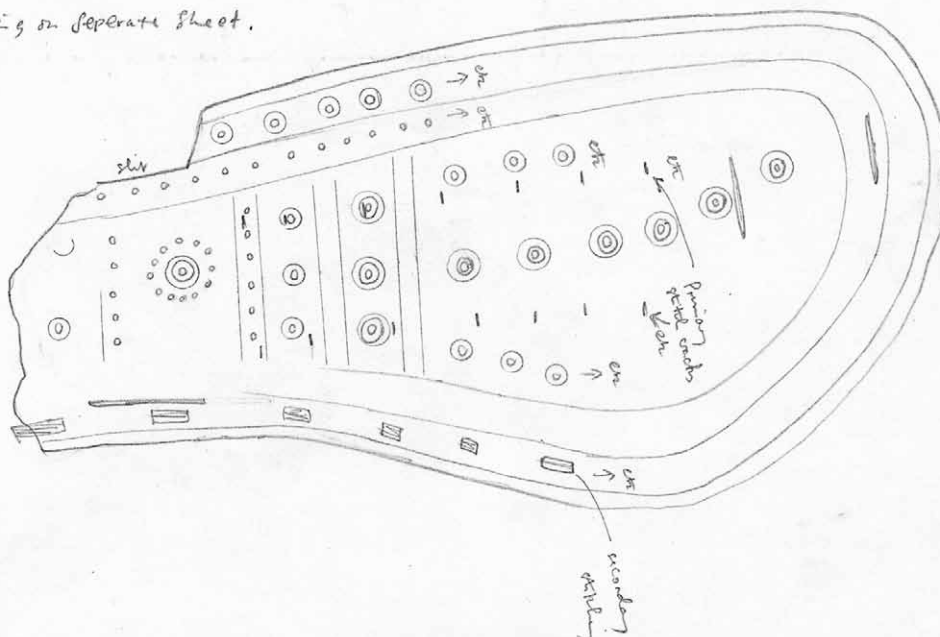
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|---|----------------|--|----------------------|
| DATE 90.1.2 | UNIT 10.053 | FRAGMENT OF SANDAL | REG. NO. 90/359✓ |
| EXC. NO. 33 | DATE OF LEVEL | DATE OF OBJECT X-GP | |
| PHOTO NOS. 9 of 44/15-17,19 | | SIZE LENGTH (PRESERVED) 16.5 cms WIDTH 8.5 cms | MATERIALS LEATHER |
| <p>FRONT END OF RIGHT SANDAL.</p> <p>SIMILAR TO 90.1.2/32 BUT NOT A PAIR</p> <p>BECAUSE: — SLITS FOR REAR TIE FURTHER FORWARD</p> <p>— DIFFERENT STAMPS USED</p> <p>— DIFFERENT COMBINATION OF MOTIFS</p> <p>— DIFFERENT STITCHING</p> <p>TWO THICKNESSES OF SOLE, UPPER ONE MUCH THICKER (0.3) THAN LOWER (0.1). TANNED LEATHER. LOWER ONE SURVIVES ONLY AS STRIP AT LEFT EDGE AND SCRA AT RIGHT REAR.</p> <p>ORIGINALLY SEWN TOGETHER AROUND THE EDGE AND IN TWO LINES DOWN THE MIDDLE IN HEAT LEATHER STITCHES, TUNNEL STITCHED SO AS NOT TO APPEAR ON TOP, THOUGH SMALL TRANSVERSE CRACKS SHOW THEIR LOCATION. THESE STITCHES SURVIVE IN THE TWO MIDDLE LINES ONLY, APPROX 5 PER 5 CMS. AROUND THE EDGE THEY HAVE BEEN REPLACED BY TIGHT STITCHING WHICH NEVERTHELESS SHOWS ABOVE AND BELOW, ABOUT 2½ PER 5 CMS, DESIGNED TO SHOW LOTS ABOVE</p> <p>THAN BELOW. THESE STITCHES UTILISE SOME (NOT ALL) OF THE ORIGINAL STITCH HOLES, AND OBSERVE SOME OF THE STAMPED MOTIFS.</p> <p>TWO TRANSVERSE SLITS FOR FRONT TIE, 1.1 (FRONT) AND 1.4 (BACK) LONG, 2.5 APART. TWO LONGITUDINAL SLITS (ONE IN BREAK) FOR REAR TIES, SURVIVOR (RIGHT) 2.3 LONG. NO TIES SURVIVE.</p> <p>3 EQUALLY-SPACED NOTCHED LINES FOLLOW THE LINE OF THE EDGE. THE BALL OF THE FOOT IS WORN, BUT UNDER THE INSTEP SURVIVE TRANSVERSE LINES JOINING THE INNER ONES, 4 PAIRS DISCERNIBLE.</p> <p>AROUND THE EDGE, BETWEEN THE TWO OUTER LINES, A ROW OF STAMPED DOUBLE CIRCLES (DIA 0.4) BETWEEN THE TWO INNER LINES, A ROW OF STAMPED SINGLE CIRCLES (DIA 0.15). BETWEEN THE TIE SLITS (REAR) A ROW OF SINGLE CIRCLES BETWEEN A PAIR OF TRANSVERSE LINES; BEHIND IT A PAIR OF DOUBLE CIRCLES SURVIVES AT THE BREAK. FORWARD OF IT A LARGER (DIA 0.7) TRIPLE CIRCLE IS SURROUNDED BY A RING OF 11 SINGLES. BETWEEN THE NEXT PAIR OF LINES, A ROW OF SINGLES. NEXT A ROW OF DOUBLES, THEN A ROW OF TRIPLES. FORWARD OF</p> | | | |

THIS A CURVING LONGITUDINAL LINE OF TRIPLES, MUCH WORN, AND ALL AROUND THE EDGE OF THE CORNER FIELD A LINE OF DOUBLES.

Some details not plain, other approx.

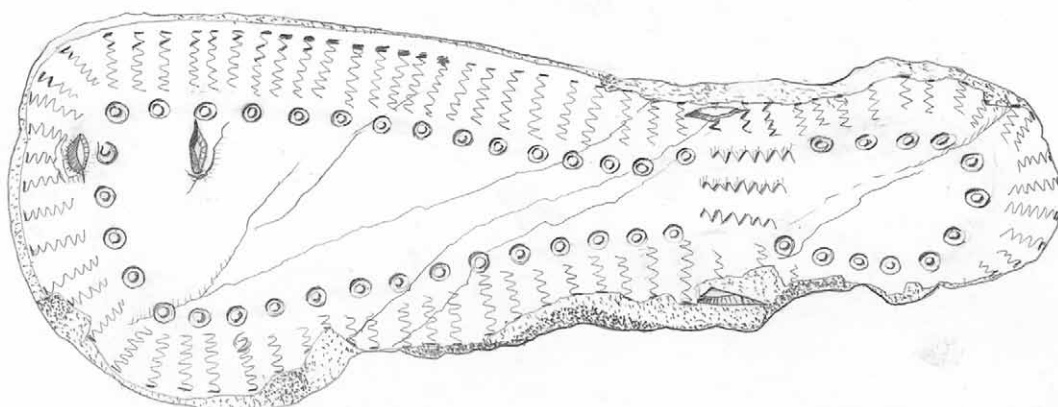
Scale 1:1

+ Drawing on separate sheet.



CAT. NO. 39[C]

| | | | |
|--|--|------------------------|----------|
| DATE 90.1.15 | UNIT 14025 TOP FILL IN ROOM 24 | SANDAL | REG. NO. |
| EXC. NO. 43 | LEVEL | DATE OF OBJECT "EC" | |
| PHOTO NOS. 92 F54/8-9 92 F54/12,4 92 F53/15 above | SIZE LENGTH (IF FLAT) 19.0 CMS MAX WIDTH (-) 7.1 CMS | MATERIALS LEATHER | |
| <p>SANDAL SOLE, COMPLETE EXCEPT FOR RATHER STRANGE DAMAGE DOWN PART OF THE LEFT SIDE (INTENTIONAL NARROWING??). LEFT FOOT. THICK (0.5!) LEATHER SOLE, SINGLE THICKNESS.</p> <p>NO TIES SURVIVE, BUT 2 TRANSVERSE TIE-HOLES FOR FRONT TIE, RESP 1.5 AND 3.3 FROM FRONT END, 0.6 LONG AND ORIGINALLY JUST SLITS, PULLED BY THE TIES. 2 LONGITUDINAL SLITS FOR REAR TIES, IN USUAL POSITION WELL FORWARDED OF REAR, STARTING 5.8 FROM IT, EACH 1.0 LONG; PRESUME FOR NARROW CROSS-STRAP.</p> <p>UNDERSIDE UNDECORATED.</p> <p>TOESIDE DECORATED WITH MULTIPLE USE OF 2 STAMPS. AROUND THE EDGE (AT RIGHT ANGLES TO IT) ZIGZAG WITH 5 1/2 TRANSVERSE WAGGLES, 1.3 LONG WHERE COMPLETE, WITH 3 HOLES ACROSS THE "VAIST", PARALLEL, NOT IN LINE WITH THE SLITS BUT STARTING 5.0 FROM REAR.</p> <p>© SECOND STAMP IS DOUBLE RING, DIA 0.4, IN SHAPE OF SANDAL EDGE WITHIN THE AREA DEFINED BY THE ZIGZAG, BREAKING WHERE THE 2</p> <p>TRANSVERSE ZIGZAGS OCCUR SO PROBABLY THE ZIGZAGS DONE FIRST, AT POINT BE EXPECTED. THE FRONT TIE-HOLE RESPECT THE STAMPED MOTIFS, THE REAR SLITS DO NOT.</p> <p>SLIGHTLY BOWED.</p> <p>AT SANDALS OF THIS TYPE GO, RATHER A CRUDE DECORATION.</p> | | | |



CAT. NO. 40[C]

| | | | |
|-----------------------------|---|------------------------|----------------------|
| DATE 90.1.2 | UNIT 10.053 | FRAGMENT OF SANDAL | REG. NO. 90/358 ✓ |
| EXC. NO. 35 | DATE OF LEVEL | DATE OF OBJECT X-GP | |
| PHOTO NOS. 90f 45/1, 3-4 | SIZE LENGTH (PRES) 18.0 cms WIDTH 8.5 cms | MATERIALS LEATHER | |

LEFT SANDAL, COMPARED TO FRONT GALS OF REAR TIE SUTS ONLY.


THREE THICKNESSES, UPPER AND MIDDLE QUITE STOUT (0.15-0.2; 0.3 RESP) TANNED LEATHER; LOWER THINNER, SOFTER, BUT PERHAPS DUE TO WEAR.


TWO TRANSVERSE SUTS FOR FRONT TIE, EACH 1.0 LONG, 1.9 AND 3.2 FROM FRONT. THEY DO NOT APPEAR IN BOTTOM THICKNESS, ONLY TOP AND MIDDLE. NO TIE SURVIVES. AT REAR, FRONT OF LONGITUDINAL TIE SUTS FOR REAR TIE TIET APPEARS, CLEAR IN CENTRAL SOLE ONLY, POSSIBLE TRACES IN UPPER AND LOWER ONES. NO TIES.

STITCHING TO HOLD THE 3 SUTS, AROUND EDGE AND DOWN MIDDLE. TINY, IN SET LEATHER STITCHES APPEARING VERY SMALL ON UNDERSIDE, SHOWING AT SUTS, OR IN A FEW CASES AS TINY STITCHES, ON TOP (cf 90.1.2/32).

STITCHES, TOP AND MIDDLE, 5.2-6.0 RES 5 CMS.

TOP DECORATED WITH STAMPA IMPRESSIONS. THE USUAL INCISED LINES ARE ABSENT, EXCEPT FOR ONE, RATHER UNDER THAN USUAL AND RATHER A CROSSING THAN A LINE, AROUND THE EDGE.

PERFORATION IS DONE WITH 2 STAMPS, A  AND A RATED STAR WITH CENTRAL RING. FORMER APPEARS TO HAVE 6 POINTS AT TOP, LENGTH 1.1 CMS; LATTER HAS 8 RAYS, DIA 0.5.

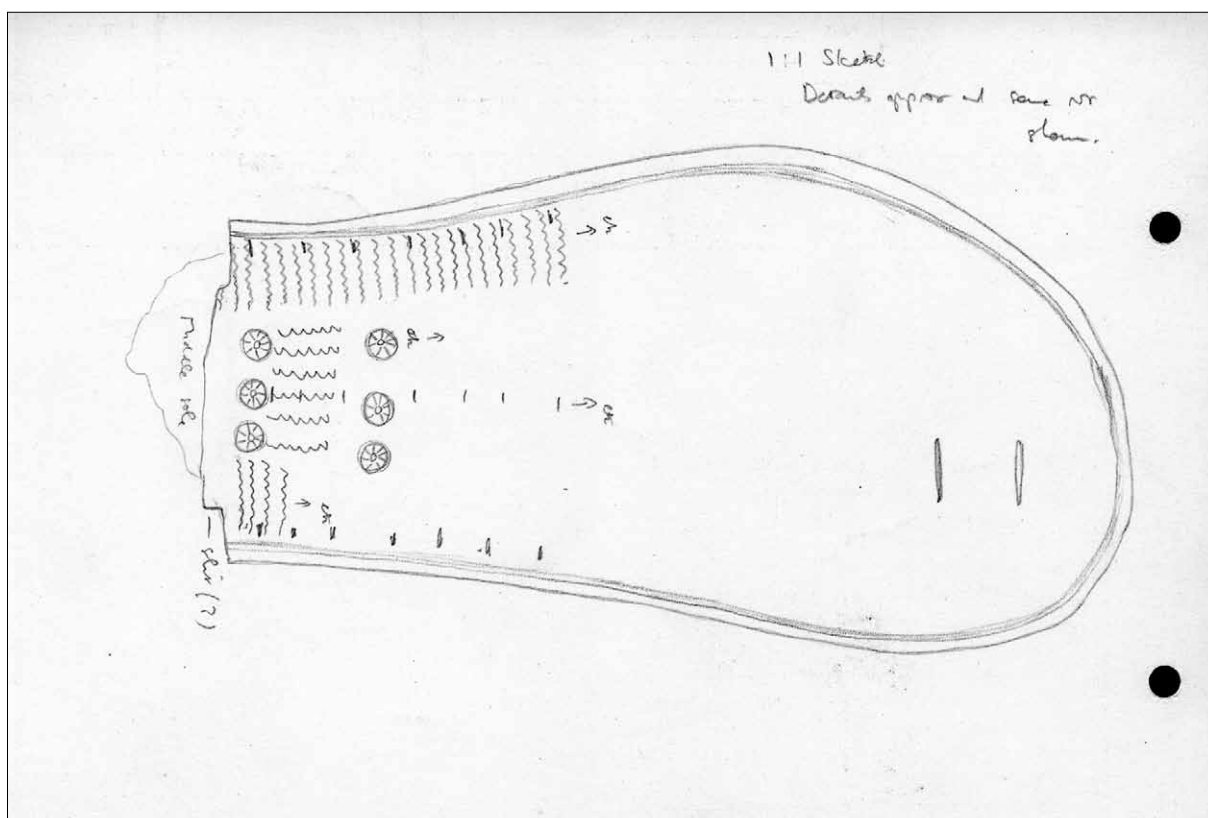
THE  MOTIF RUNS ALL AROUND, AND THEN IN SINGLYE RAYS ACROSS THE CENTRAL AREA, FIVE BANDS SURVIVING; BETWEEN THESE, BANDS OF STARS, AGAIN FIVE SURVIVING, 3-5 MOTIFS ACCORDING TO SOLE WIDTH.

THE SOLE IS FAIRLY WORN AND SOME OF THIS IS INDISTINCT BUT LITTLE DOUBT IT IS SO.

STITCH SUTS SOMETIMES CUT ACROSS MOTIFS, BUT CANNOT TELL WHICH MADE FIRST.

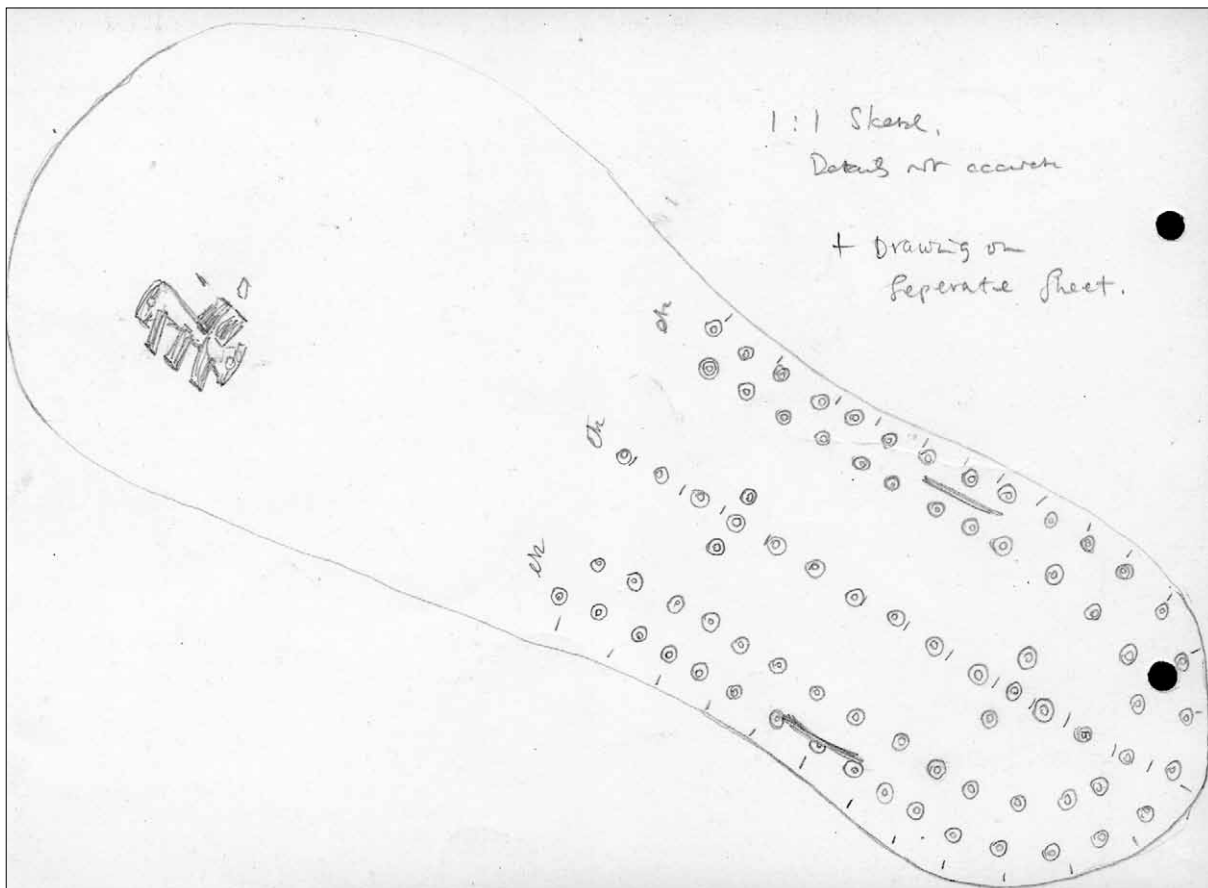
*TOP SOLE DAMAGED, TORN OUT BETWEEN SUTS. SKETCH OURESELF.

Drawings on Separate Sheet.



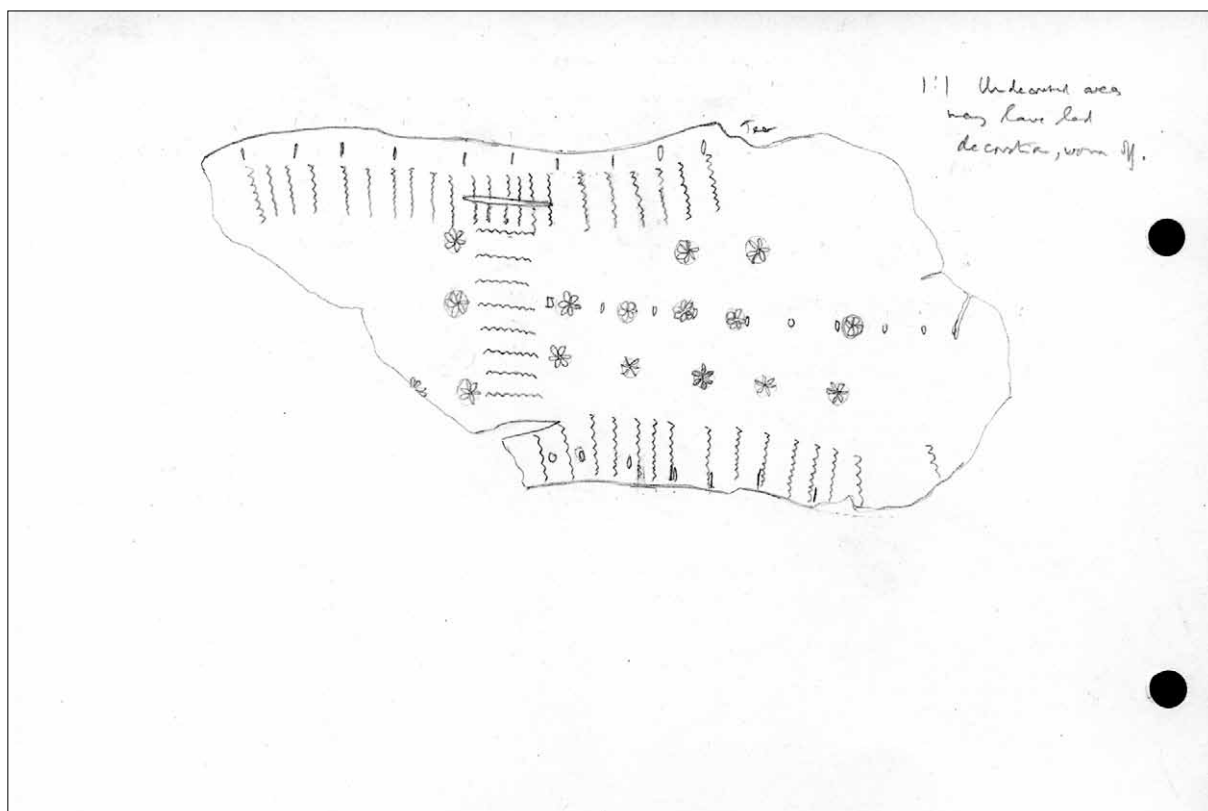
CAT. NO. 41[C]

| | | | |
|---|--|----------------------|--------------------|
| DATE 90.1.2 | UNIT 10.053 | SANDAL | REG. NO. 90/363 |
| EXC. NO. 41 | DATE OF LEVEL | DATE OF OBJECT | |
| PHOTO NOS. 90F35/15-16 | SIZE LENGTH 23.4 cms WIDTH 9.0 cms | MATERIALS LEATHER | |
| <p>THREE LEATHER THICKNESSES OF SOLE, ALL FAIRLY THICK (FROM TOP CO.15, CO.1, CO.2), TANNED. SINGLE ROW OF STITCHING ALL AROUND, AND DOWN THE MIDDLE. HEAT, MANAGED SO AS TO BE TIGHT ABOVE (USUALLY A SLIT, STITCH VIRTUALLY TUNNELLED; OCCASIONALLY STITCH SHOWN) AND DITTO BELOW. THERE WAS PROBABLY A SINGLE LINE OF STITCHING JOINING ALL 3 THICKNESSES. STITCHES APPROX 5-5½ PER 5 cms.</p> <p>TWO TRANSVERSE SLITS FOR FRONT TIE, EACH CO.8 LONG, 2.5 AND 4.4 FROM FRONT. A SPLIT OCCURRED BETWEEN THEM, AND THIS WAS REPAIRED WITH A LEATHER STRAND 0.3 WIDE, NOW ITSELF BROKEN.</p> <p>THE TWO REAR TIE SLITS ARE LONGITUDINAL, 1.5 (RIGHT) AND 1.7 (LEFT) LONG, 4.3 APART, 5.5 FROM REAR.</p> <p>NONE OF THE 4 SLITS WENT THROUGH TO THE BOTTOM SOLE. NO TIES SURVIVE.</p> <p>THERE ARE NO INCISED LINES. DECORATION IS BY A SINGLE STAMP, A DOUBLE CIRCLE (DIA 0.3). A DOUBLE LINE OF THESE FOLLOWS THE CONTOUR OF THE EDGE, AND A SINGLE LINE RUNS DOWN THE MIDDLE. THERE IS NO OVERLAPPING AT THE INTERSECTIONS; AT REAR, THE 'LAST IN THE LINE' IS IN ITS PROPER PLACE IN THE INNER RING; IN THE FRONT, THE LINE DOES NOT QUITE REACH THE INNER RING. THESE LINES OF NOTIFS ARE NOT INTERRUPTED FOR THE AREA OF THE 'CROSS STRAP'—(IN ANY CASE, THIS PASSED UNDERNEATH). AT 4 POINTS, ONLY APPROX EQUALLY SPACED, THERE IS A FRAMEWORK NOTIF (THE SAME) ON EACH SIDE; THESE ARE FAIRLY ACCURATELY, BUT NOT VERY ACCURATELY, ALIGNED WITH ONE IN THE CENTER LINE TO MAKE A ROW OF 3.</p> <p>NO TIES SURVIVE.</p> <p>MODERATE WEAR.</p> <p>DRAWING OVERLEAF.</p> <p>THE PERIPHERAL STITCHES ARE GENERALLY "OUTSIDE" THE LINES OF NOTIFS, BUT OCCASIONALLY CLASH AS THEY SOMETIMES GO DOWN THE MIDDLE. ONLY ONE CASE SUGGESTS WHICH WAY FIRST, NEAR REAR ON CENTER LINE, WHERE A STITCH DOES SHOW AND CUT A NOTIF. IT SEEMS NOT TO AFFECT THE STAMP, SO WAS PROBABLY ADDED AFTER STAMPING.</p> | | | |





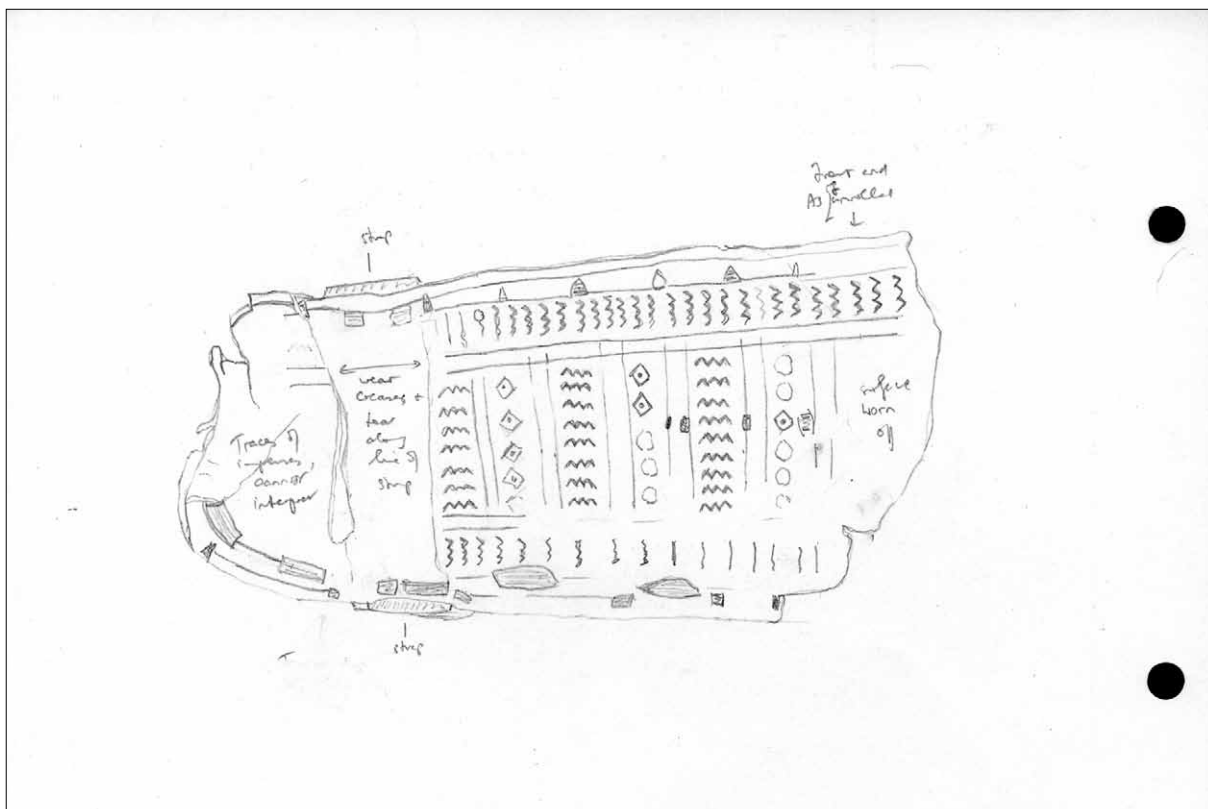
CAT. NO. 42[C]

| | | | |
|--|---|--|----------------------|
| DATE 95.1.2 | UNIT X-30 DISTURBED FILL LEVEL | FRAGMENT OF SANDAL | REG. NO. |
| EXC. NO. 81 | DATE OF LEVEL | DATE OF OBJECT X-GP-CC | |
| PHOTO NOS. 95F4/14-15 95FCS1/31-32 (top left) TOO DARK | | SIZE LENGTH (PES) 14.5 CMS MAX-PRES. WIDTH 6.7 CMS, ORIG EST 27 CMS. | MATERIALS LEATHER |
| <p>NO DATE WITH OBJECT BUT BURIED 1976, PROBABLY 1976 WORK.</p> <p>CENTRAL PART OF SANDAL, FRONT ^{FRONT} END DAMAGED, REAL ^{REAL} END (APPARENTLY MODERN DAMAGE) LOST.</p> <p>APPEARS TO HAVE BEEN SMALL, PROBABLY NO MORE THAN 16-16L CMS LONG.</p> <p>ONE FAIRLY STOUT THICKNESS, WITH SURVIVING SCRAPS OF A SECOND BEING SEWN TO IT WITH LEATHER STITCHES: ONE ROW ALONG EACH SIDE AND ONE LONGITUDINALLY UP THE CENTRE - ASSUME THE EDGE ONE WASN'T ALL POUND. PROBABLY NO OTHER THICKNESS, SINCE STITCHES THROUGH BOTH ARE MOSTLY INTACT.</p> <p>TOP SURFACE MUCH WORN FROM USE, BUT STAMPED DECORATION SURVIVES, ONE STAMP ~~~~~ (APPARENTLY 7 'CRESTS') APPLIED ALL AROUND, PERPENDICULAR TO EDGE. AUXILIARY, ROSETTE (PROBABLY 6 'PETALS') (DIA 0.5) IN 3 LONGITUDINAL LINES ALONG THE CENTRE. TWO LONGITUDINAL LINES (1.6 LONG) 0.9 IN FROM</p> | | <p>EDGES, TOOK CROSS STITCH. CENTRAL AREA BETWEEN THEM DECORATED WITH 8 STRIKES OF THE ~~~~~ STAMP IN LINE WITH THEM. THIS CENTRAL AREA MUST HAVE BEEN VISIBLE, IN STITCH PATTERN UNDERNATH IT; IT INTERRUPTS THE ROWS OF ROSETTES.</p> <p>DETAILED OVERLEAF</p> | |



CAT. NO. 43[C]

| | | | |
|--|---|---|----------------------|
| DATE 95.1.2 | UNIT X-24 Room 2 LEVEL: Below Floor 2 (=X-1) | SANDAL | REG. NO. |
| EXC. NO. 129 | DATE OF LEVEL | DATE OF OBJECT | |
| PHOTO NOS. 95F33/4-6 95FCS1/31-32 (bottom left) TOO DARK | | SIZE Foot length 13 cms max foot width 6.8 cms | MATERIALS LEATHER |
| <p>76.2, 2</p> <p>HOUS OF A SMALL SANDAL; RATHER DISTORTED, SOME REAR END DAMAGE, FRONT LOSS, ORIG. LENGTH PROB. NO MORE THAN 17-18 CMS, WIDTH 7-7.5.</p> <p>FRONT STOUT THICKNESS (C.O. 15), BELOW WHICH IS ANOTHER RATHER THINNER, AND SHARP OF A THINNESS 3RD UNDERSTATH STRAP AREA, RIGHT SIDE, HAD BY WHAT SEEM ORIGINAL STITCHES.</p> <p>VERY THICK 0.2 CROSS-STRAP ^{15 HOLE} BETWEEN UPPER AND MIDDLE THICKNESSES, HAD BY SAME STITCHES WHEN HOLD SHES TOGETHER. LEATHER OF STRAP LOOKS ONLY PARTLY CURED. ORIGINAL STITCH LINE SMALL, NEAT (WITH THING 0.2 WIDE) STITCHES SHOWING ON TOP; REPAIR LINE (THING 0.4) DOWN RIGHT SIDE, AND OVER STRAP ON LEFT SIDE. SHORT LINE OF LONGITUDINAL STITCHES AT (SURVIVING) FRONT ONLY, LOOK ORIGINAL.</p> <p>INCISED LINES BECOME SURFACE PAIR NEAR PERIMETER ALL AROUND, ANOTHER PAIR FURTHER IN, 0.5-1.0 CM</p> | | <p>FIELD IN WHICH ARE CLOSELY SPACED STIMP IMPRESSIONS, WITH 3 CRESTS, ONLY 0.5 LONG. THE CRESTAL FIELD IS BROKEN UP BY PAIRS OF INCISED LINES ACROSS, AND IN THESE FIELDS LINES OF THE SAME THICKNESS ALTERNATE WITH WHAT SEEM  RATHER THAN  IMPRESSIONS, (0.5 AROUND).</p> <p>THE HEEL END IS BARELY WORN, BUT THE PERIMETER IMPRESSIONS CONTINUE, WHILE THE CENTER AREA IS TOO WORN TO INTERPRET.</p> <p>DRAWING OVERLEAF.</p> | |



CAT. NO. 44[C]

| | | | |
|------------------------------|--|---|----------|
| DATE 95.1.2 | UNIT X-24 ROOM 2 LEVEL Below Floor 2 (= X-1) | FRAGMENT of SANDAL (RE-USED AS POOL SOCKET LINER) | REG. NO. |
| EXC. NO. 128 | DATE OF LEVEL | DATE OF OBJECT X-GP (-EC) | |
| PHOTO NOS. 95F22/11-12,14 | SIZE LENGTH (UNROLLED) 9.5 cms WIDTH 6.0 cms THICKNESS 0.15 cms | MATERIALS LEATHER | |

76.2.2

ROUNDED REAR END OF SMALL SANDAL.
(NOT PART OF ANY OTHER FROM THIS CONTEXT).
BUT COULD BE DUE TO 95.1.2/129
LEADING EDGE A TEAR, PERHAPS RESULT.

SOMEWHAT DISTORTED, FROM RE-USE AS POOL
SOCKET LINER, RIGHT WAY UP, IMPRESS
(DIR 2 cms) NEAR RIGHT EDGE.

SINGLE THICKNESS MEDIUM-SOFT SOFT
LEATHER. STITCHES ALL AROUND PERIMETER,
SINGLE LINE, LEATHER THIN (0.2-0.3
WIDE), ALL BROKEN BELOW, FROM SECOND
THICKNESS.

FOLLOWING PERIMETER, IMPRESSIONS OF
STAMP (0.7 LONG) WITH 4 CRETS

~~~~~ IMPRESSIONS MOSTLY BROWN WOOD.

SINGLE INCISED LINE FOLLOWS PERIMETER,  
0.3 FROM IT. TWO LONGITUDINAL PAIRED  
INCISED LINES SURVIVE NEAR BREAK, WITH  
AN UNCLEAR MOTIF BETWEEN THE PAIRS, \* LATER, PROBABLY

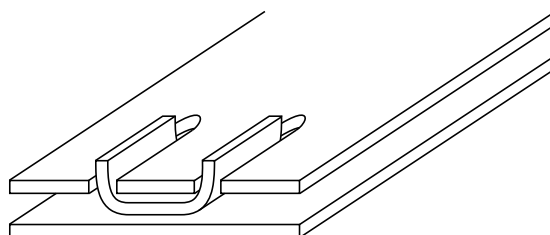
PROBABLE STRAP LINE 1.5 WIDE

AS 129

CAT. NO. 45[C]



SAIUH 354 FJ225. Overviews (dorsal and ventral views). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.

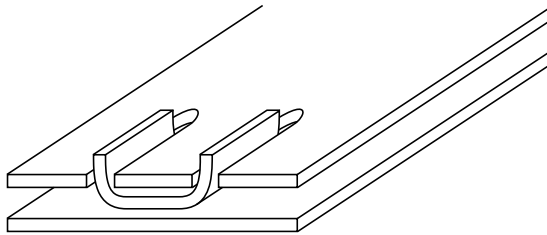


SAIUH 354 FJ225. Diagram of the pre-strap/sole construction.

CAT. NO. 46[C]



SAIUH 355 FJ ? [1]. Overviews (dorsal and ventral views). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.



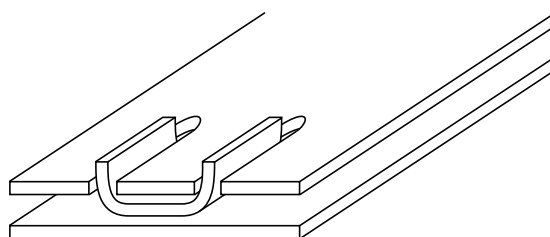
SAIUH 355 FJ ? [1]. Diagram of the pre-strap/sole construction.



CAT. NO. 47[C]



SAIUH 355 FJ? [2]. Overviews (dorsal and ventral views). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.

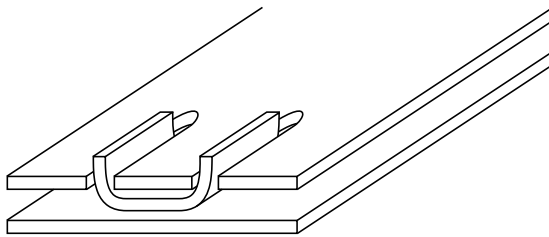


SAIUH 355 FJ? [2]. Diagram of the pre-strap/sole construction.

CAT. NO. 48[C]



SAIUH 358 FJ[1]. Overviews (dorsal and ventral views). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.

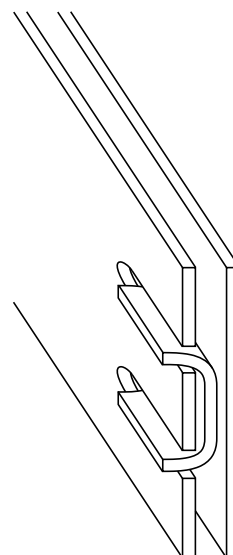


SAIUH 358 FJ[1]. Diagram of the pre-strap/sole construction.

CAT. NO. 49[C]



SAIUH1165 FJ1228. Overviews (dorsal and ventral views of left and ventral and dorsal views of right sandal). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.



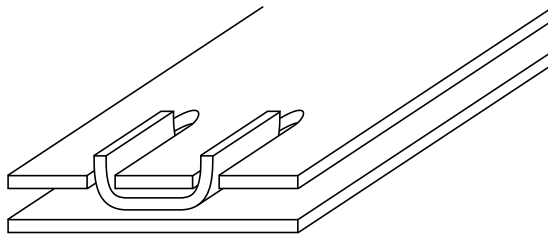
SAIUH1165 FJ1228. Diagram of the pre-strap/sole construction.



CAT. NO. 50[C]



SAIUH1168 FJ 374. Overviews (dorsal and ventral views). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.



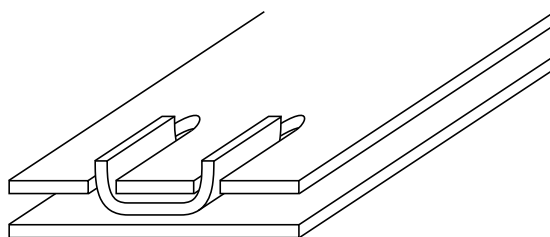
SAIUH1168 FJ 374. Diagram of the pre-strap/sole construction.



CAT. NO. 51[C]



SAIUH1175 FJ 732. Overviews (ventral and dorsal views). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.

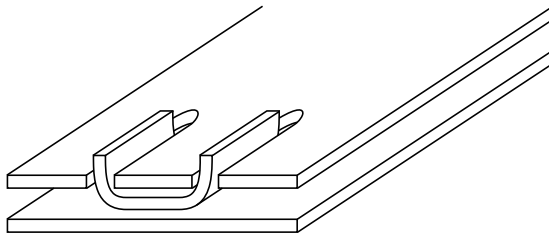


SAIUH1175 FJ 732. Diagram of the pre-strap/sole construction.

CAT. NO. 52[C]



SAIUH1177 FJ 884. Overviews (dorsal and ventral views). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.



SAIUH1177 FJ 884. Construction of the pre-strap through the sole layers.


## CAT. NO. 53[C]

|                            |                                               |                      |                    |
|----------------------------|-----------------------------------------------|----------------------|--------------------|
| DATE<br>84.1.9             | UNIT<br>HOUSE 196<br>ROOM 2<br>LEVEL +        | SANDAL               | REG. NO.<br>84/678 |
| EXC. NO.<br>71             | DATE OF LEVEL<br>EC2-196-4                    | DATE OF OBJECT       |                    |
| PHOTO NOS.<br>84 1527/9-10 | SIZE<br>LENGTH 25.4 CMS<br>MAX WIDTH 10.5 CMS | MATERIALS<br>LEATHER |                    |


LEFT SANDAL, COMPLETE EXCEPT MINOR DAMAGE AND TIES.

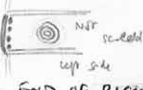
3 THICKNESSES OF SOFT LEATHER, TOP OF TOP ONE RED. BIG TOE DEMARCATED BY CUT IN FRONT END.

THREE LONGITUDINAL ROWS OF LEATHER STITCHES PLUS DITTO ALL AROUND PERIMETER. THESE SHOW VERY SMALL ABOVE AND BELOW.

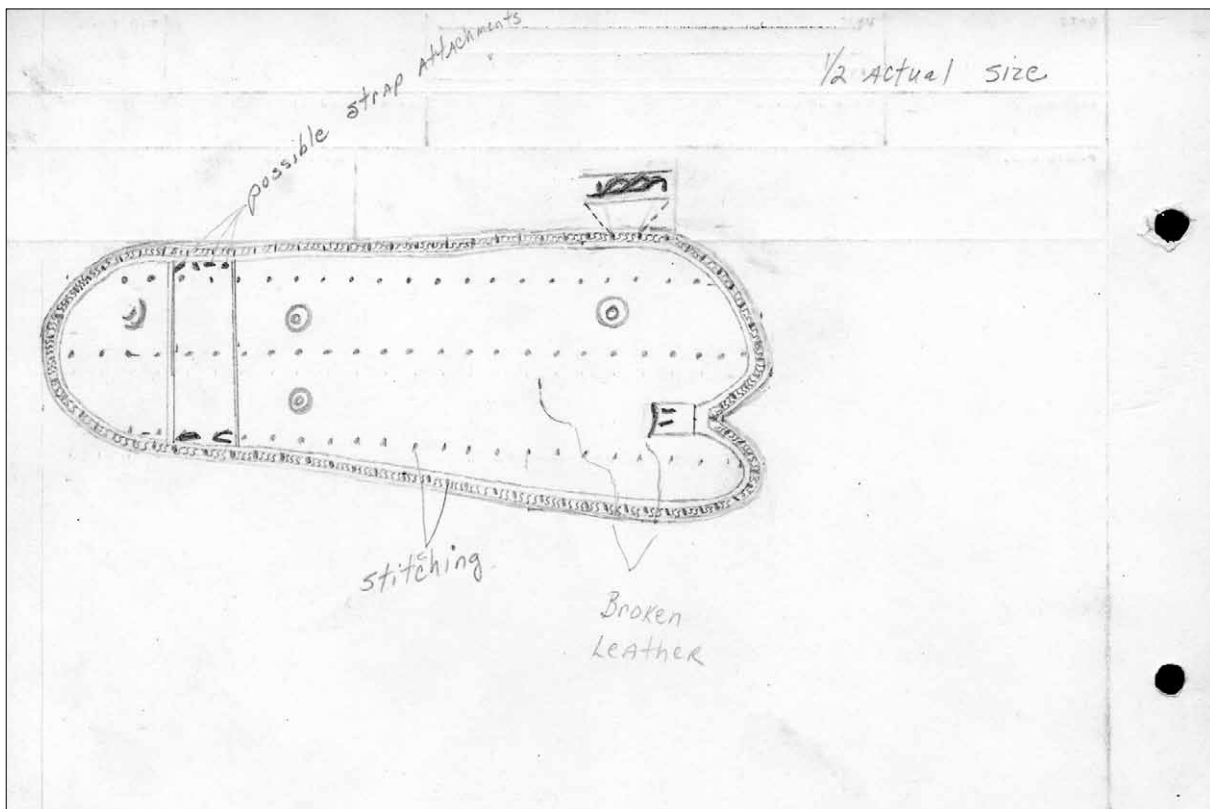
'TOOLING' IS RATHER ROUGH CUT LINES IN UPPER SURFACE, ALL AROUND, RESPECTIVELY 0.5 CMS (OUTER PAIR) AND 0.3 CMS (INNER PAIR) APART. THE PERIMETER STITCHES ALL LIE WITHIN THE OUTER PAIR. THE LINES FOLLOW THE TOE CONTOUR. TWO PAIRS OF TRANSVERSE CUT LINES 4.8 AND 7.0 CMS FROM REAR DEMARCAT REAR TIE PASSAGE BENEATH. IN THIS FIELD TWO PAIRS OF STAMPED TRIPLE CIRCLES . <sup>THREE</sup> OTHER PAIRS VISIBLE, 0.9 CMS BEHIND REAR TRANSVERSE LINE AND *Divided to Cairo*

RESP. 2.2 AND 13.5 CMS FORWARD OF THE FRONT TRANSVERSE LINE. THESE ARE ALL WORN, AND ANOTHER PAIR AT 6.5 CMS FORWARD, LARGELY OBLITERATED, IS POSSIBLE.

TWO ~~TRANSVERSE~~ <sup>SLIT</sup> AT BASE OF TOE - NICK TO TAKE FRONT TIE. 2 STITCH - MARKS, RIGHT THROUGH,  SHOW IT WAS SEWN TO SOLE

AT REAR, DEMARCATED ZONE HAS LONGITUDINAL <sup>SLIT</sup> ~~SLIT~~ AT EACH END, LENGTH (2.0 CMS) CORRESPONDING TO ZONE WIDTH. AGAIN, STITCH HOLES (2 PAIRS) SHOW REAR TIES WERE STITCHED IN. 

ONE STITCH AT FRONT AND ONE AT REAR END OF RIGHT SLIT ARE 'STOPPERS' TO PREVENT FURTHER SPLITTING. REAR TIE PROBABLY PATTED BETWEEN TOP AND MIDDLE THICKNESSES - SLIGHT NICKS IN LATTER SUGGEST CUTS MADE AFTER THICKNESSES WERE SEWN.

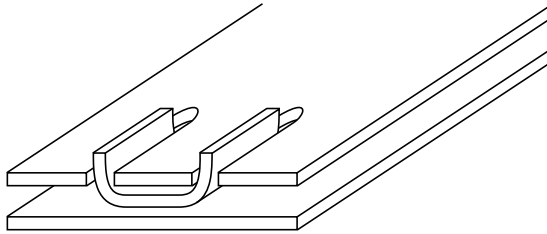




CAT. NO. 54[C]



SAIUH31912 Inv. Nr. 3. Overviews (dorsal and ventral views). Scale bar is 50 mm. Sammlung des Ägyptologischen Instituts der Universität, Heidelberg.



SAIUH31912 Inv. Nr. 3. Diagram of the pre-strap/sole construction.



CAT. NO. 55



*CM 3300. Overviews (ventral and dorsal view). Scale bar is 50 mm. Coptic Museum, Cairo.*

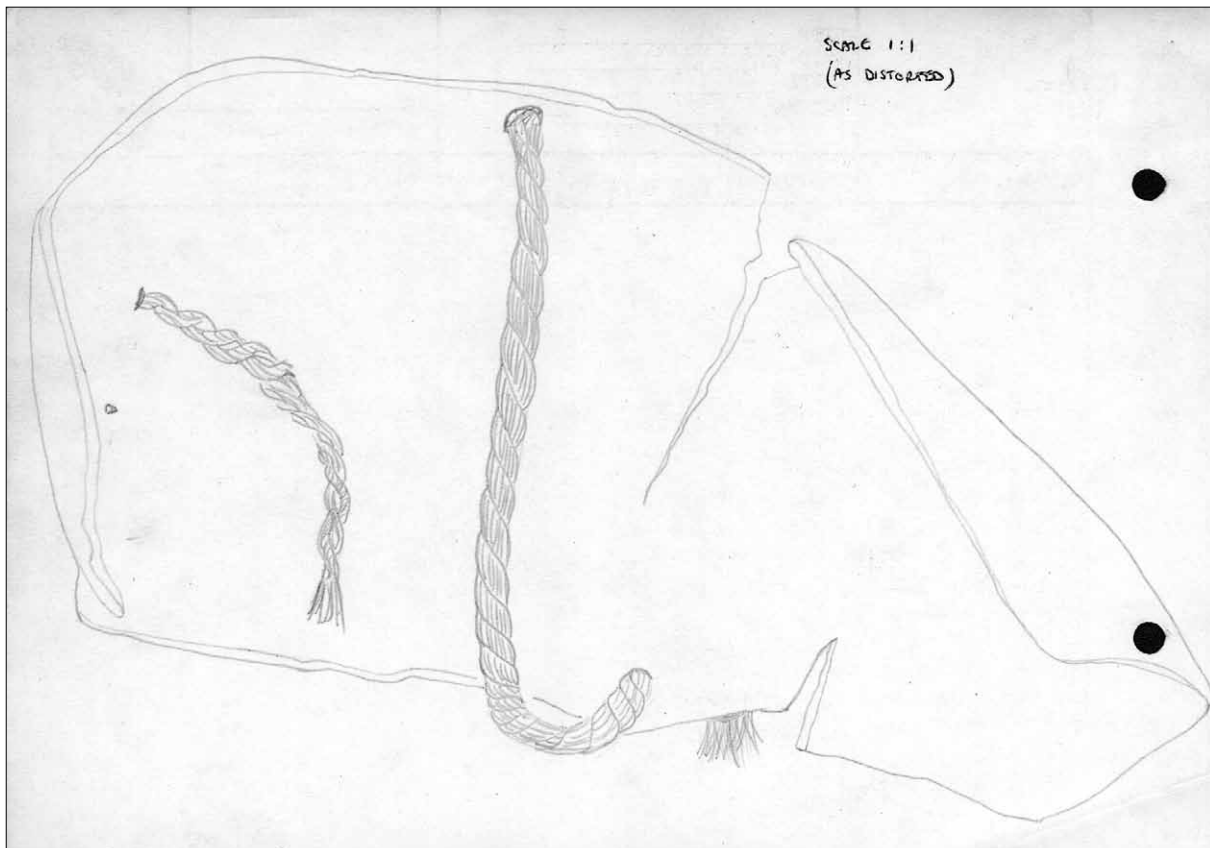
CAT. NO. 56



CM 3306. Overviews (outer and inner views). Scale bar is 50 mm. Coptic Museum, Cairo.

## CAT. NO. 57

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   |                                        |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------|---------------------|
| DATE 80.3.13<br><del>TIME</del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SITE <u>B1-7</u><br>GRID No <u>ROOM 1</u><br>LEVEL <u>Basal Floor 3</u><br>DATING <u>B1-166-H</u> | * SANDAL                               | 80/ REG No.<br>1014 |
| EXC. No. 84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PHOTO Nos. 80F118/22                                                                              | MATERIALS LEATHER (ALSO PAIR FRSK)     |                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   | SIZE LENGTH 25.0 CMS<br>WIDTH 10.6 CMS |                     |
| <p>ALMOST COMPLETE, CRUDE SANDAL,<br/>PROBABLY RIGHT FOOT.</p> <p>SINGLE STOUT THICKNESS SOLE, NOW<br/>SOMWHAT TWISTED AND CRACKED.</p> <p>ABOUT 3.5 CMS FROM FRONT, TWO<br/>SMALL HOLES (DIA 0.2 CMS) NOT<br/>QUITE IN LINE, 2.2 CMS APART.</p> <p>IN THE RIGHT ONE, KNOTTED BELOW AND<br/>PROJECTING 1.0 CMS ABOVE TO A<br/>BREAK, STRING OF PAIR FIBRE, 2 PLYED<br/>BUNDLES OF FIBRES (DIA 0.5 CMS - SEVERED IN HOLE!)</p> <p>12 CMS FROM <sup>FRONT</sup> <del>RIGHT</del>, BY RIGHT EDGE; AND<br/>16 CMS FROM FRONT, BY LEFT EDGE, HOLE<br/>DIA 0.5 CMS EACH. JOINING THEM, SIMILAR<br/>PIECE OF STRING KNOTTED BENEATH EACH,<br/>JUST SLACK ENOUGH TO ALLOW FOOT TO<br/>PASS BENEATH.</p> <p>Kept by Cairo at Division</p> |                                                                                                   |                                        |                     |



CAT. NO. 57 - CONTINUE -



CM 11950/1. Overviews (dorsal and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.



CAT. NO. 58



CM 13309. Overviews (dorsal[?] and ventral[?] views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 59

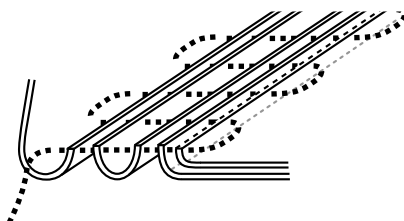


CM 11950/2. Overviews (ventral and dorsal views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 60



CM 2171. Overviews (lateral, dorsal, medial and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.



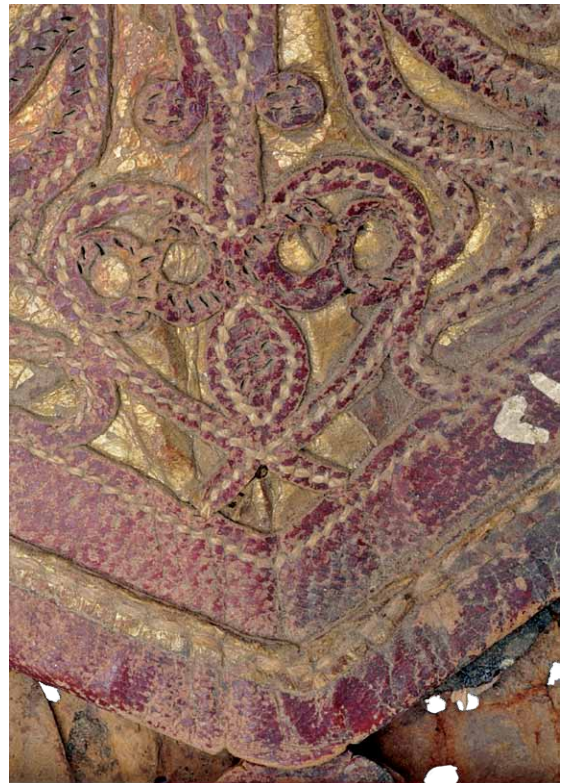
CM 2171. Diagram of the sole construction (uncertainty is shown by the dashing of the lines). Coptic Museum, Cairo.



CAT. NO. 61



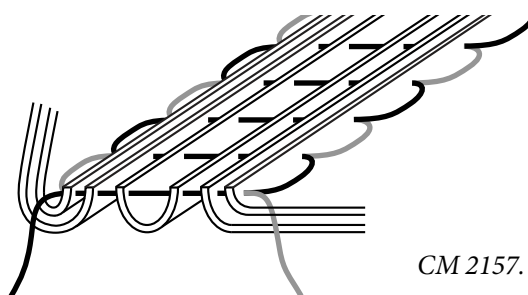
CM 2157. Overviews (dorsal and ventral views). Coptic Museum, Cairo.



CM 2157. Top: Detail of the circular extension of the upper; Right: Detail of the decorated upper. Scale bars are 10 mm. Coptic Museum, Cairo.

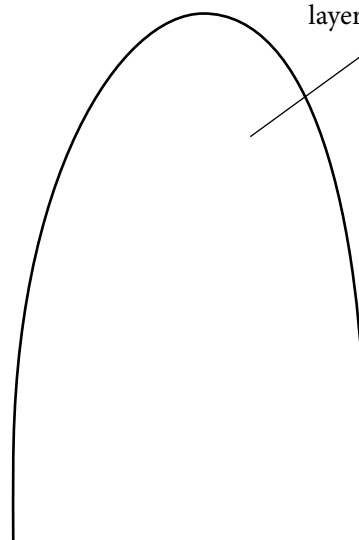


CAT. NO. 61 - CONTINUE

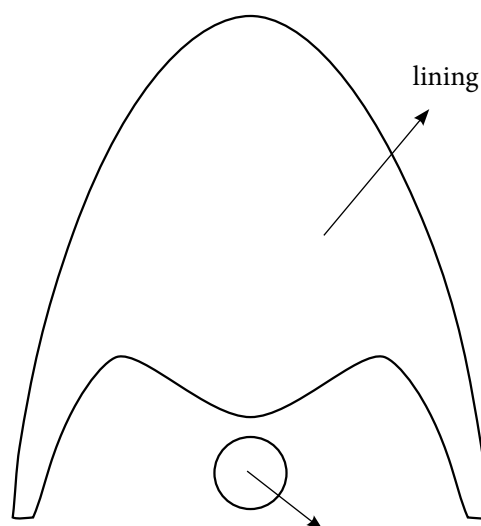
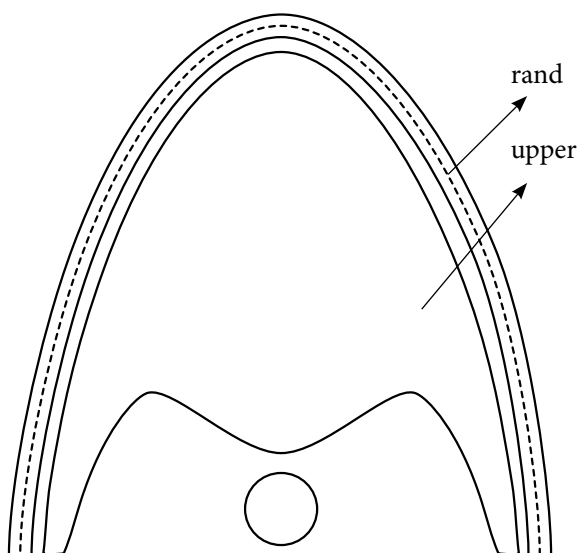


CM 2157. Sole/upper construction

Sole (there are two sole layers in total).



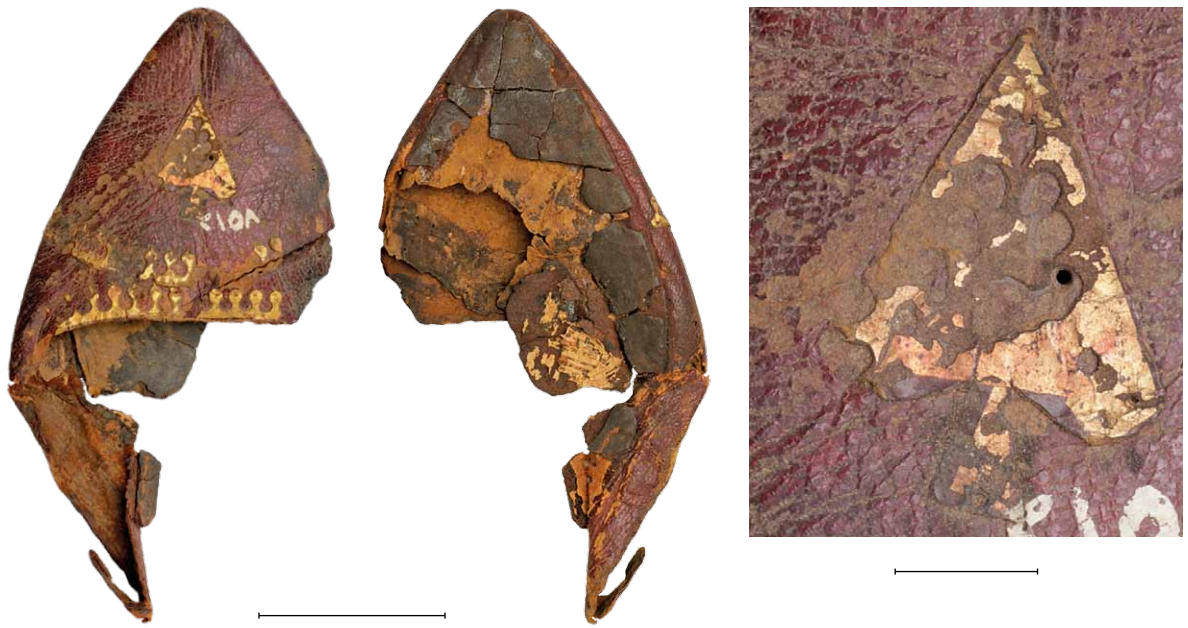
CM 2157. Detail of the sole/upper construction. Scale bar is 10 mm. Coptic Museum, Cairo.



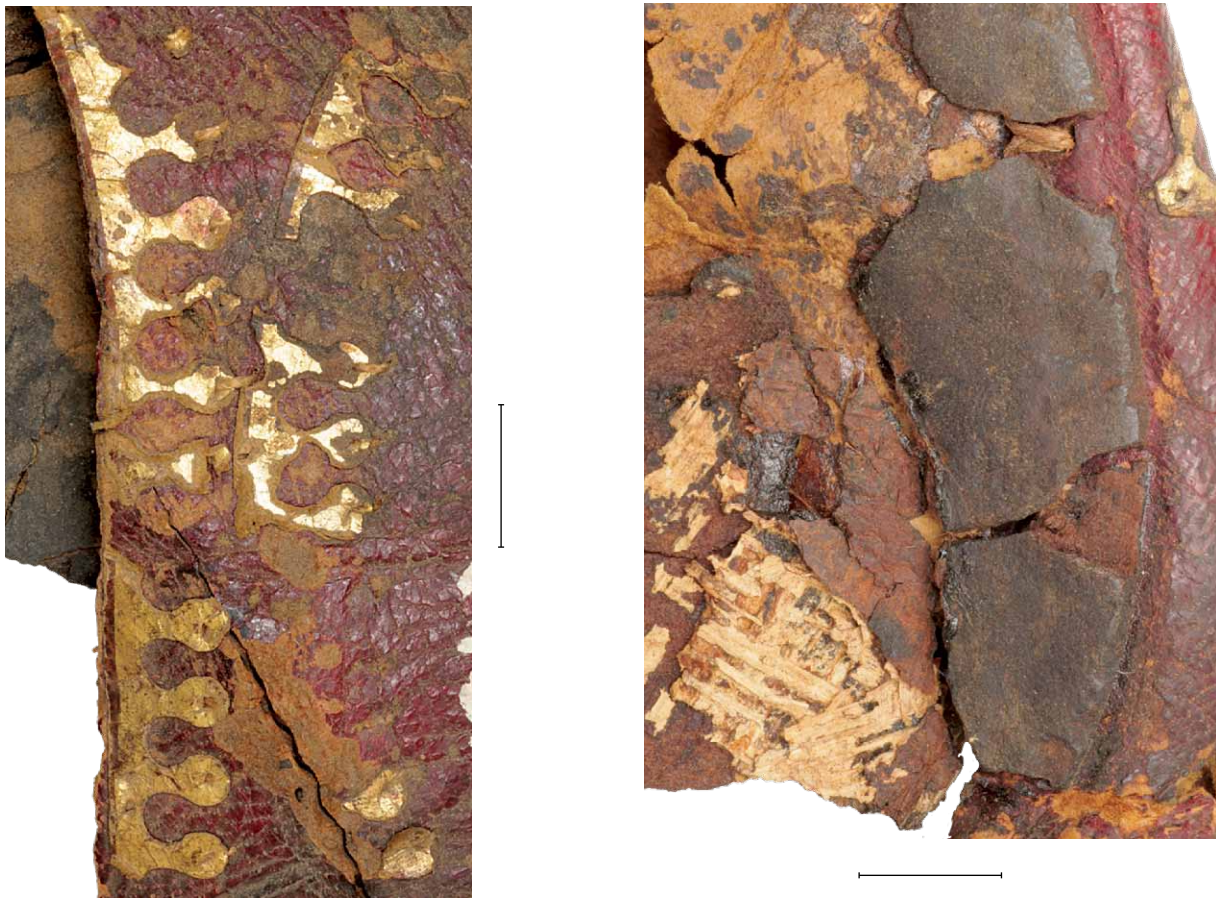
Separate circular extension

CM 2157. Cutting pattern.

CAT. NO. 62



CM 2158. Left: Overviews (dorsal and ventral views). Scale bar is 50 mm; Right: Detail of the engaged dot decoration at the vamp. Scale bar is 10 mm. Coptic Museum, Cairo.



CM 2158. Left: Detail of the decoration at the instep edge; Right: Detail of the sole/upper construction. Scale bars are 10 mm. Coptic Museum, Cairo.



## CAT. NO. 63[C]

|              |                                       |                                                     |                 |
|--------------|---------------------------------------|-----------------------------------------------------|-----------------|
| DATE 80.3.4  | SITE B40                              | SHOE OR SLIPPER                                     | REG No. 70/1011 |
| TIME         | GRID No ROOM 327                      |                                                     |                 |
|              | LEVEL LOWER SOFT FILL                 |                                                     |                 |
|              | DATING B-140-H                        | MATERIALS LEATHER, Papyrus (also flax)              |                 |
| Exc. No. 117 | PHOTO Nos. 80F115/31<br>80F114 20, 21 | SIZE LENGTH 23.8 cms<br>WIDTH 12 cms (SOLE 8.7 cms) |                 |

ALMOST COMPLETE SHOE - PRACTICALLY SYMMETRICAL AS TO RIGHT AND LEFT SIDES - PERHAPS RIGHT FOOT.

STOUT LOWER - THICKNESS SOLE.

IN A PATTERN - SHAPED, STITCHES OF S-PLY FLAX AND SHALLOW STITCHES ALONG EDGES, BOTH IN REAR HALF. THESE ATTACH A THIN LEATHER UPPER - THICKNESS.

THE SPACE BETWEEN IS PACKED WITH PAPTUS, APPARENTLY UNWITTEN, OF MANY THICKNESSES, UP TO 2.05 CMS IN ALL, OF THICKNESS - REVERSED BY DAMAGE TO LEATHER.

STOUT FRONT - UPPER, (PROBABLY SINGLE THICKNESS?) WITH SHORT INTEGRAL TONGUE, SEWN TO FRONT PART OF SOLE - STITCHES NOT VISIBLE. PAPTUS PACKING ASSUMED TO CONTINUE FORWARD AND BE LIKEWISE ATTACHED. GOING STRIP AROUND TRAILING EDGE OF FRONT UPPER, THIN AND SEWN ON TOP OF UPPER, UNLIKE BOUNDARY PRACTISE. STITCHES ARE DAINITY, OF S-PLY FLAX. SECOND BROWN LEATHER DECORATIVE STRIP, ABOUT HALF WIDTH, LIKEWISE SEWN ON TOP OF IT, CENTRAL AREA SURVIVES, UNCERTAIN IF IT WENT FULL WIDTH - ONE SET OF STITCHES PULPILS BOTH FUNCTIONS. WHERE GOING STRIP LOST, UPPER LEATHER REVERSED TO BE ORIGINALLY RED. UPPER DECORATED WITH TRANSVERSE Kept by Cairo or Divine

LIGHT INCISIONS, ALSO 2 FOLLOWING GOING STRIP LINE.

ROUNDER WITH LOZENGE SHAPED CUT-OUT ATTACHED BY SAME LINE OF STITCHING TO CENTRE OF TONGUE.

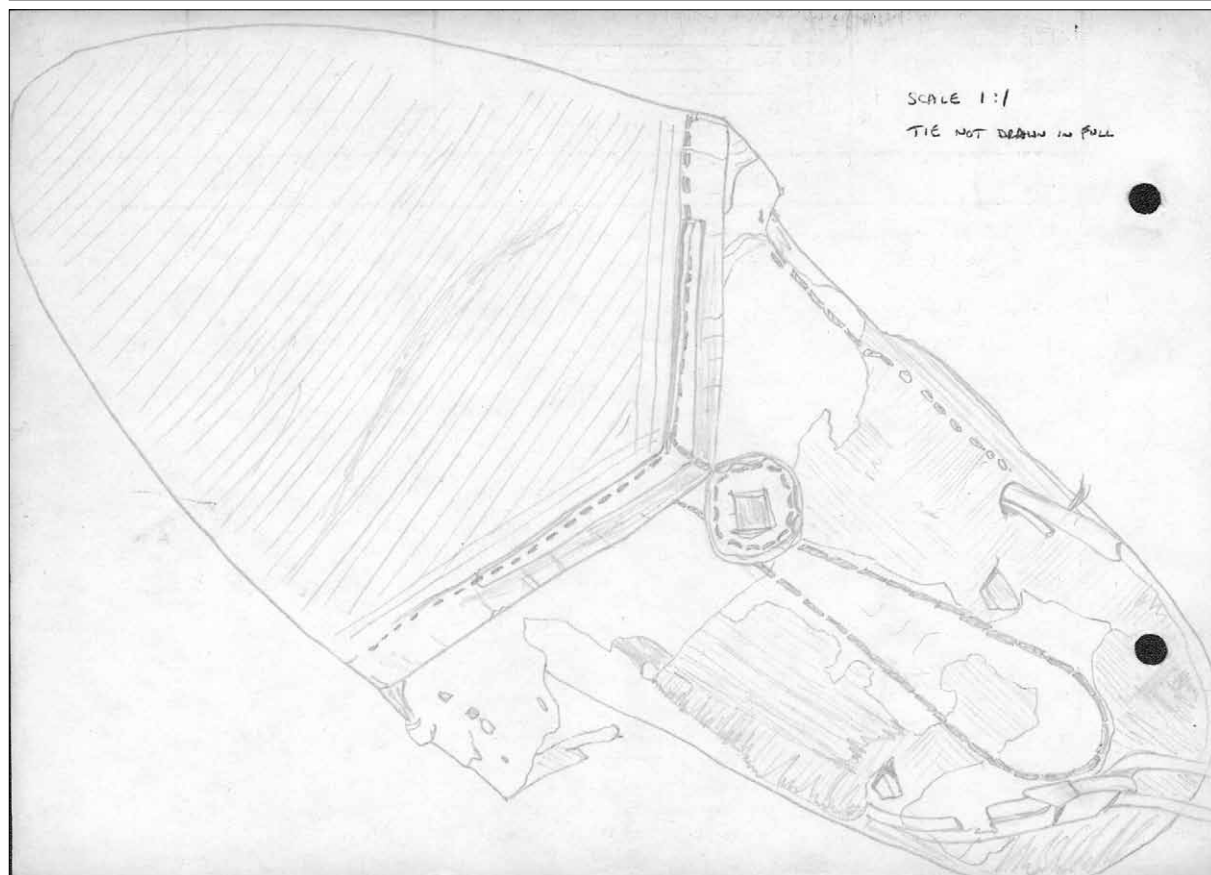
AT REAR END, FOUR HOLES (2 PAIRS) IN LINE, OUTER ONES HOLDING 2 LEATHER STRAWS, INNER PERHAPS OTTO.

LEFT OUTER SURVIVES, 2 STRAWS, DECORATIVE KNOT, WITH 2 MORE OF WHICH ONE BROKEN, THE OTHER GOES IN ALL 17 CMS, WIDTH 6.7 TO 6.5 CMS, THEN WIDENS TO SERRATED END PRESUMED ORIGINAL

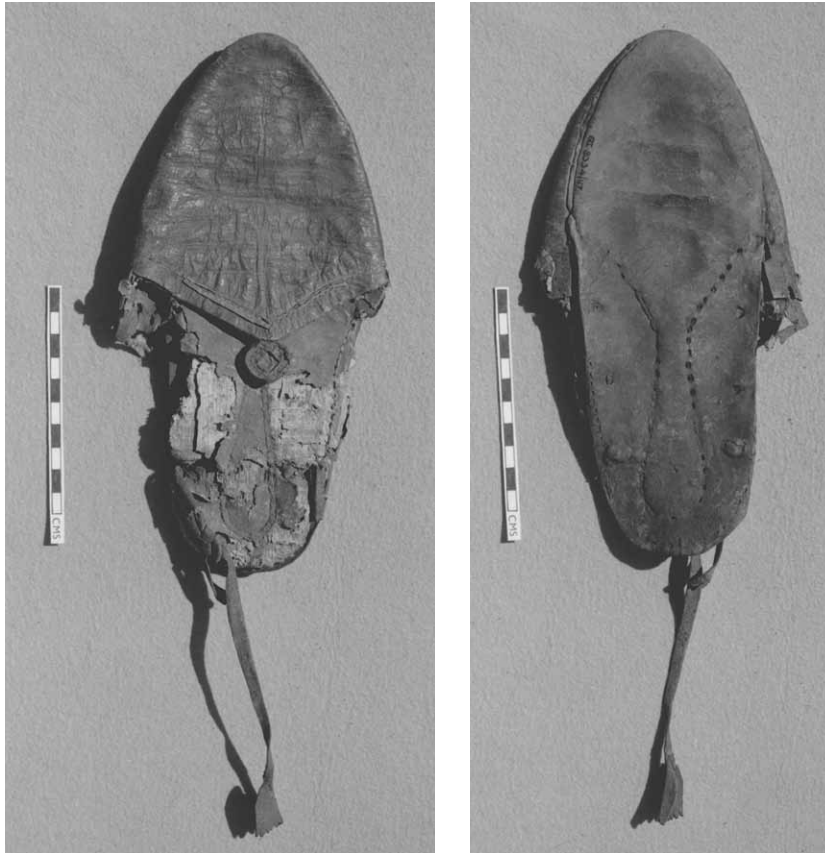
TIE ARRANGEMENT NOT TO SCALE

TIE END SCALE 1:1

Coptic Museum 11952



CAT. NO. 63[C] - CONTINUE -



QI 80.3.4/117. Overviews (dorsal and ventral). Photograph courtesy of the EES.



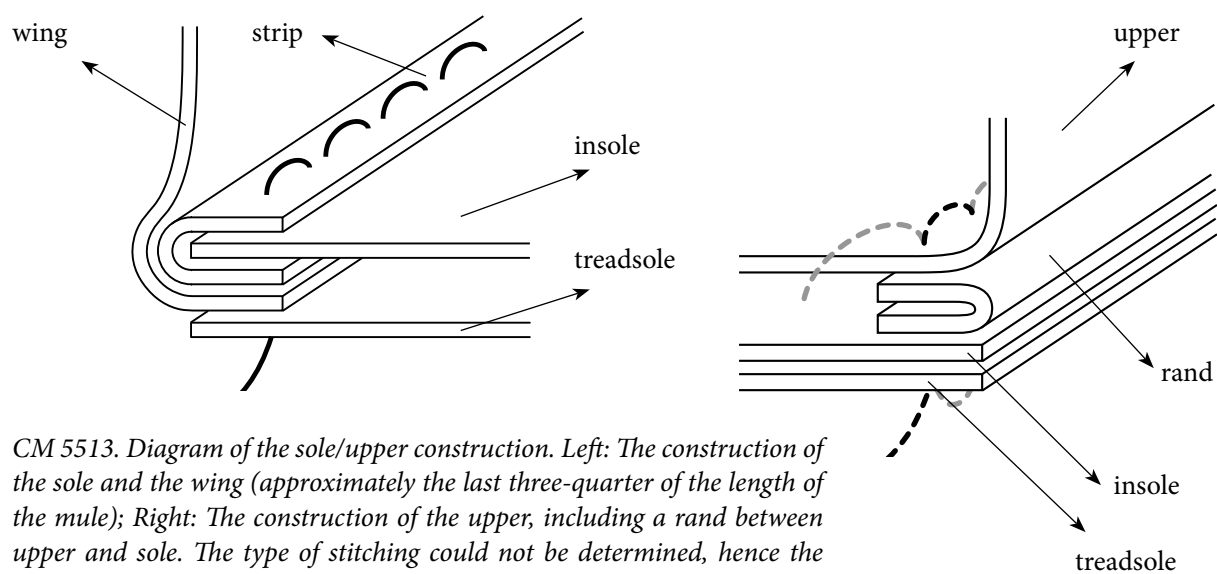
QI 80.3.4/117 Detail of the upper's instep edge. Photograph courtesy of the EES.



CAT. NO. 64[C]

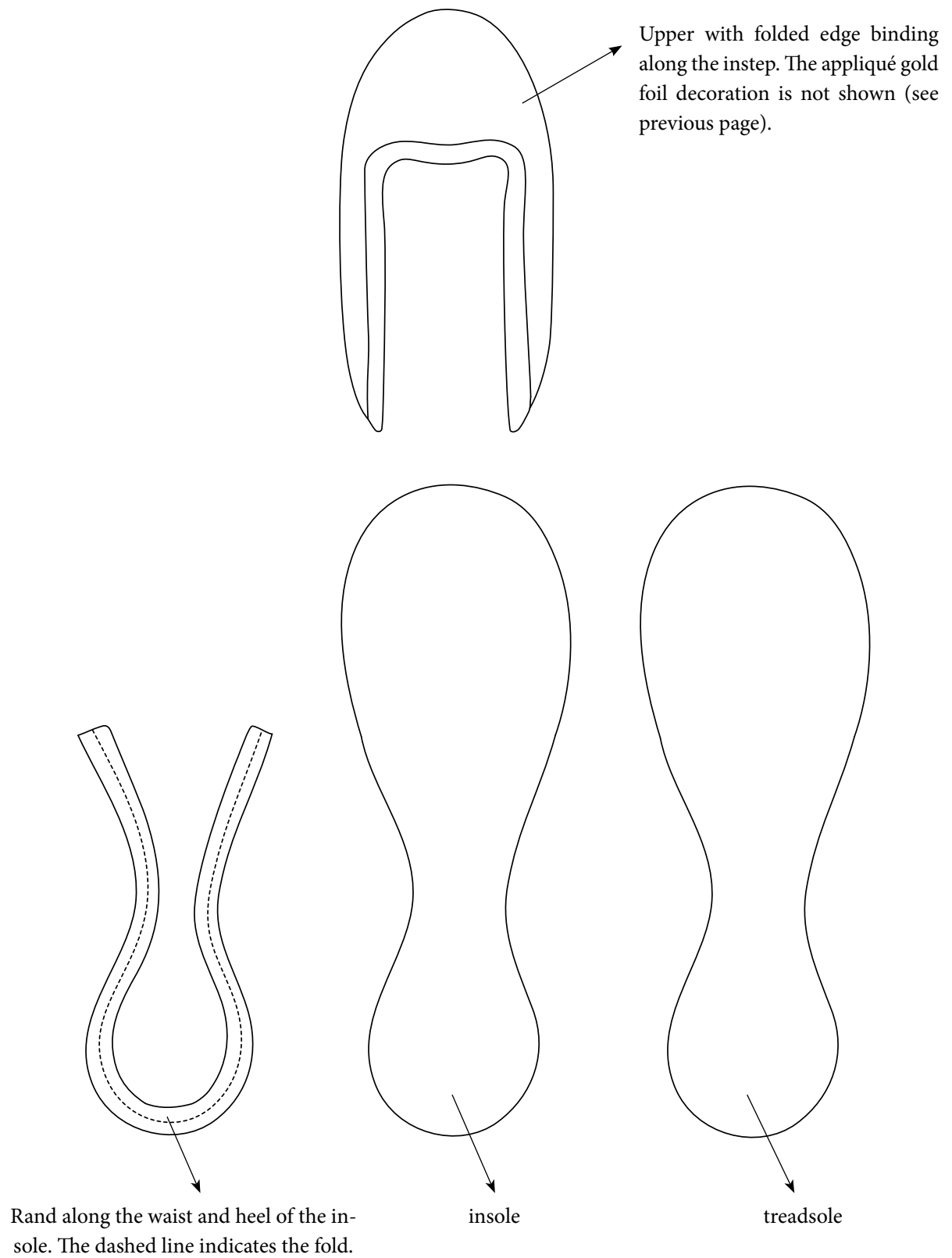


CM 5513. Overviews (dorsal and ventral views). Scale bar is 50 mm. Roemer- und Pelizaeus-Museum, Hildesheim



CM 5513. Diagram of the sole/upper construction. Left: The construction of the sole and the wing (approximately the last three-quarter of the length of the mule); Right: The construction of the upper, including a rand between upper and sole. The type of stitching could not be determined, hence the dashed lines.

CAT. NO. 64[C] - CONTINUE



CM 5513. Cutting pattern.

CAT. NO. 65[C]

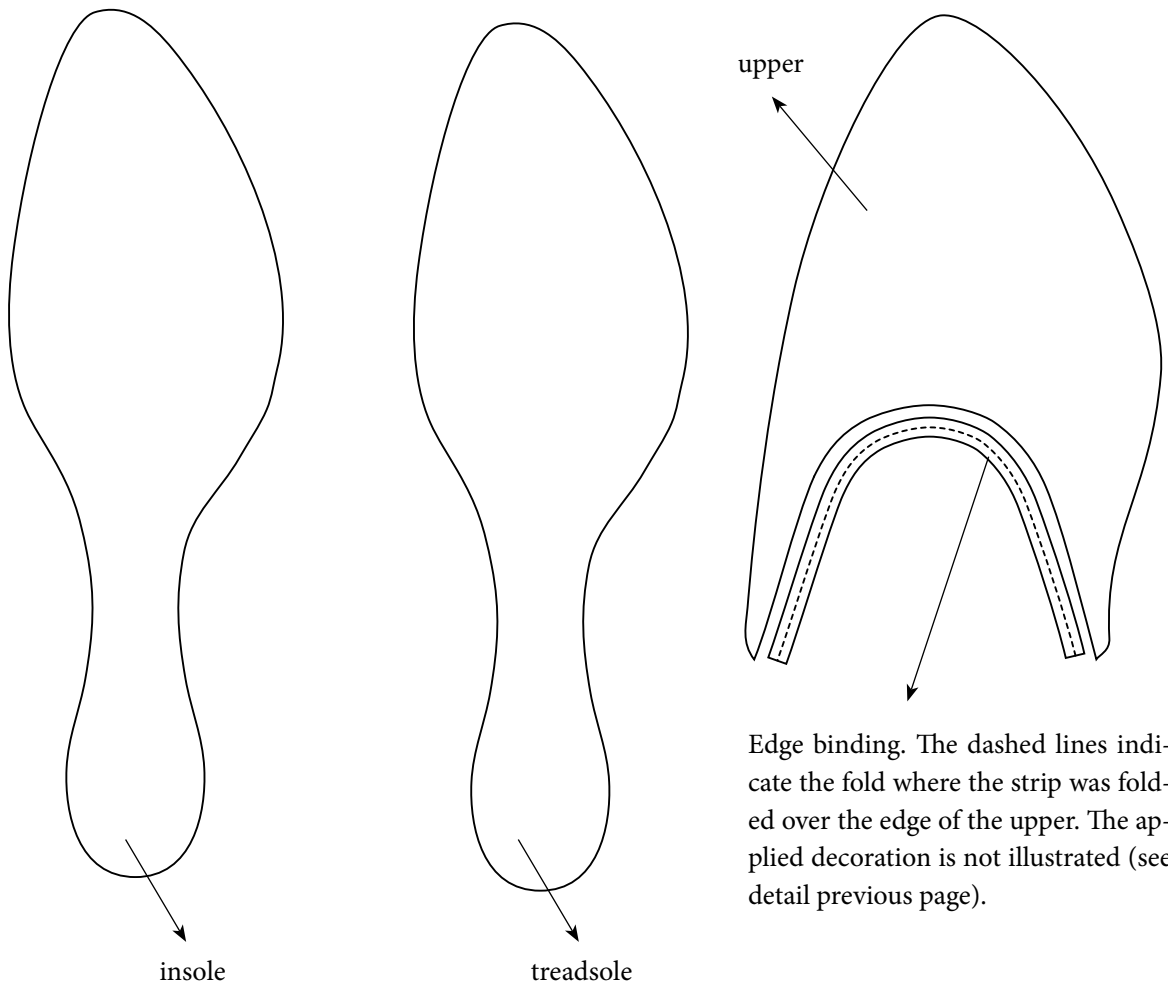


EA 20942. Overviews (dorsal and ventral views). Scale bar is 50 mm. Photographs by Adri 't Hooft. Courtesy of the British Museum, London.



EA 20942. Detail of the decoration of the vamp. Courtesy of the British Museum, London.

CAT. NO. 65[C] - CONTINUE



A filling could be noticed but the mules are too intact to identify the material.

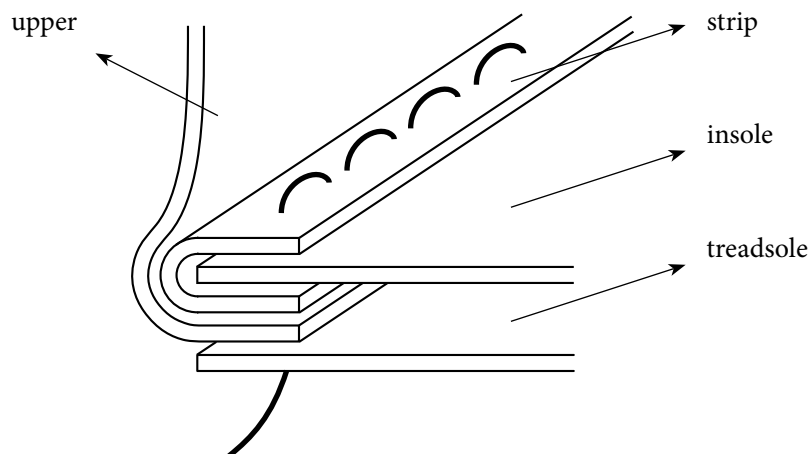


Diagram of the sole/upper construction.

EA 20942. Cutting pattern.

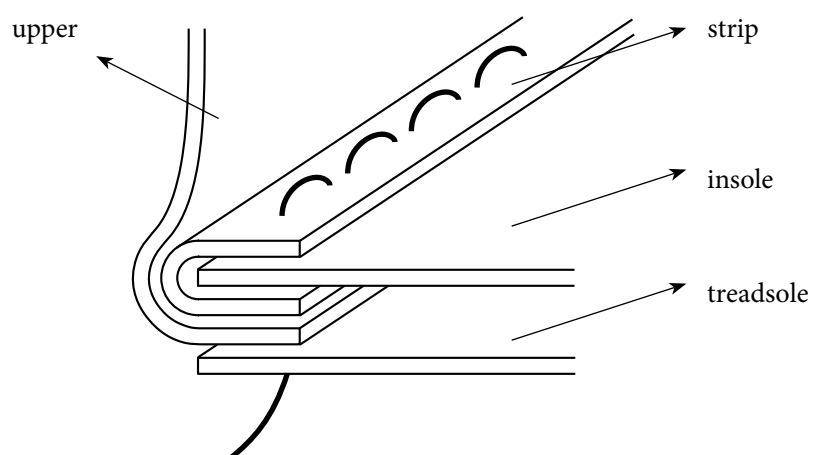


CAT. NO. 67[C]

(Cat. No. 66[c] not illustrated)



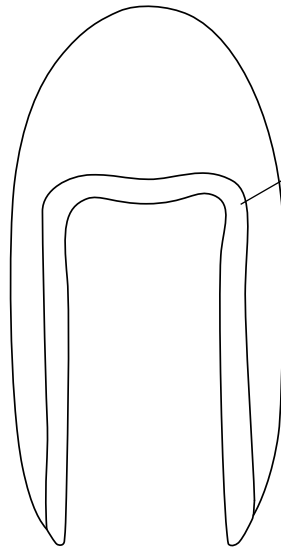
1888.1131. Overviews (dorsal and ventral views). Scale bar is 50 mm. Ashmolean Museum, Oxford.



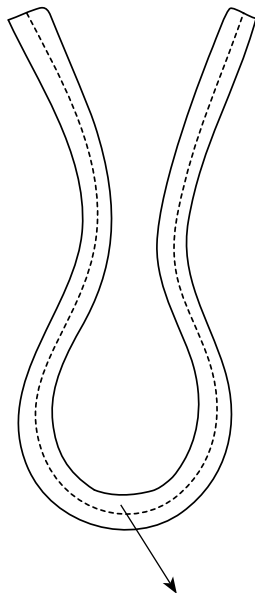
1888.1131. Diagram of the upper/sole construction (see below for cutting pattern).

CAT. NO. 67[C] - CONTINUE

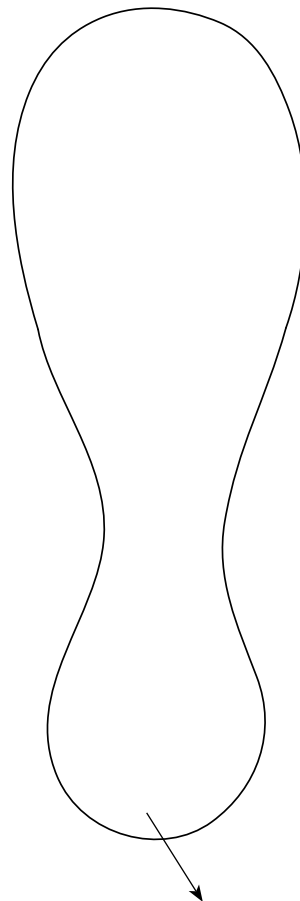
(Cat. No. 66[c] not illustrated)



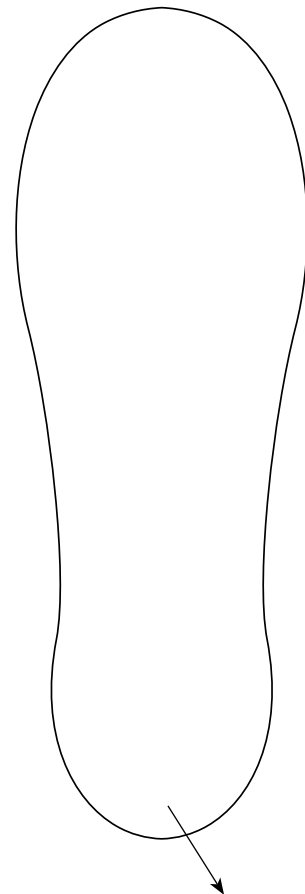
Upper with folded edge binding along the instep. The appliqué gold foil decoration is not illustrated (see previous page).



Rand along the waist and heel of the insole. The dashed line indicates the fold



insole



treadsole

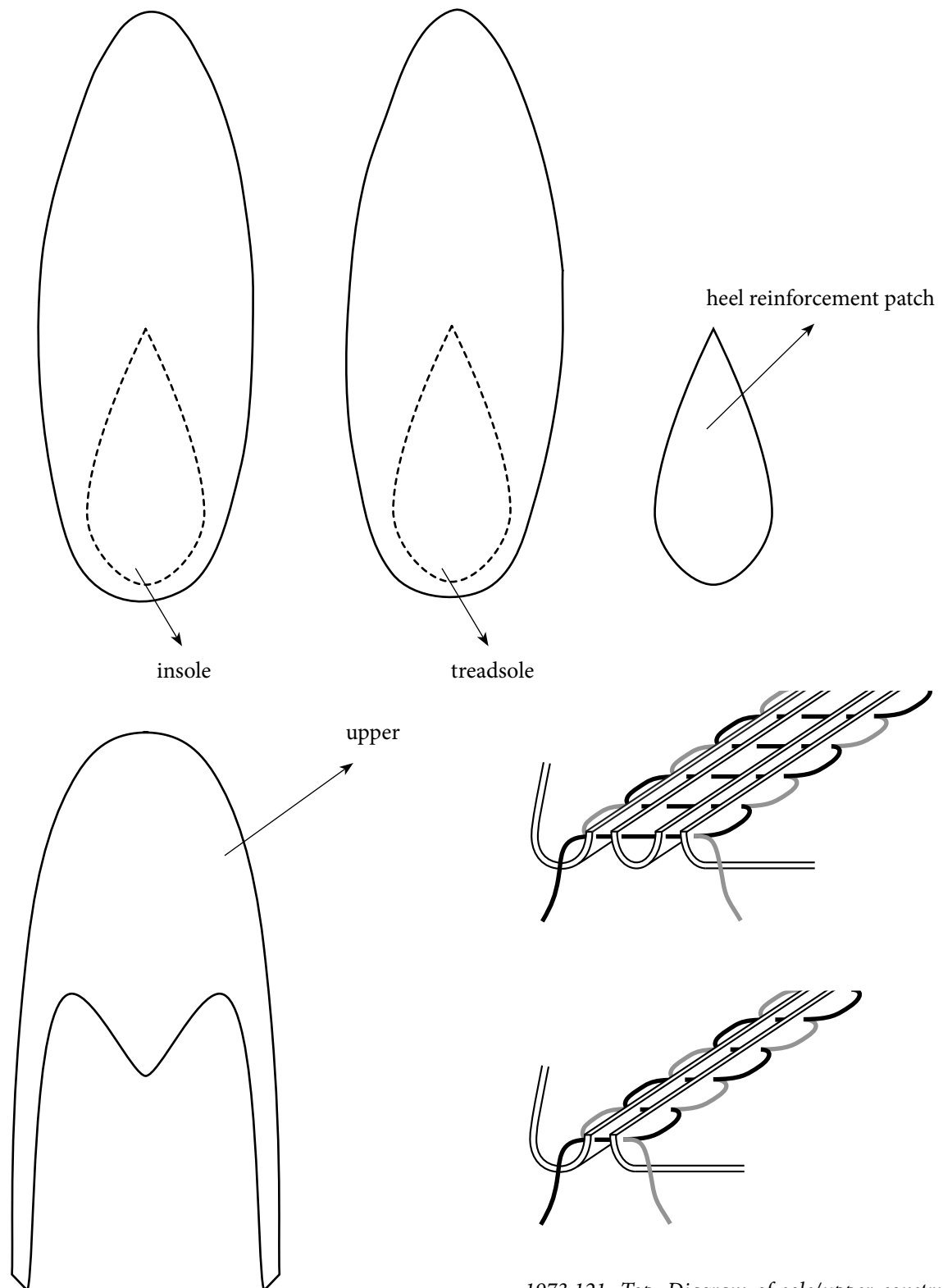
1888.1131. Cutting pattern.

CAT. NO. 68[C]



1973.2.121. Overviews (dorsal and ventral views of the left and right mule respectively). Scale bar is 50 mm. National Museums, Liverpool: World Museum

CAT. NO. 68[C] - CONTINUE



1973.121. Top: Diagram of sole/upper construction of the vamp; Bottom: Diagram of the wings.

1973.121. Cutting pattern.

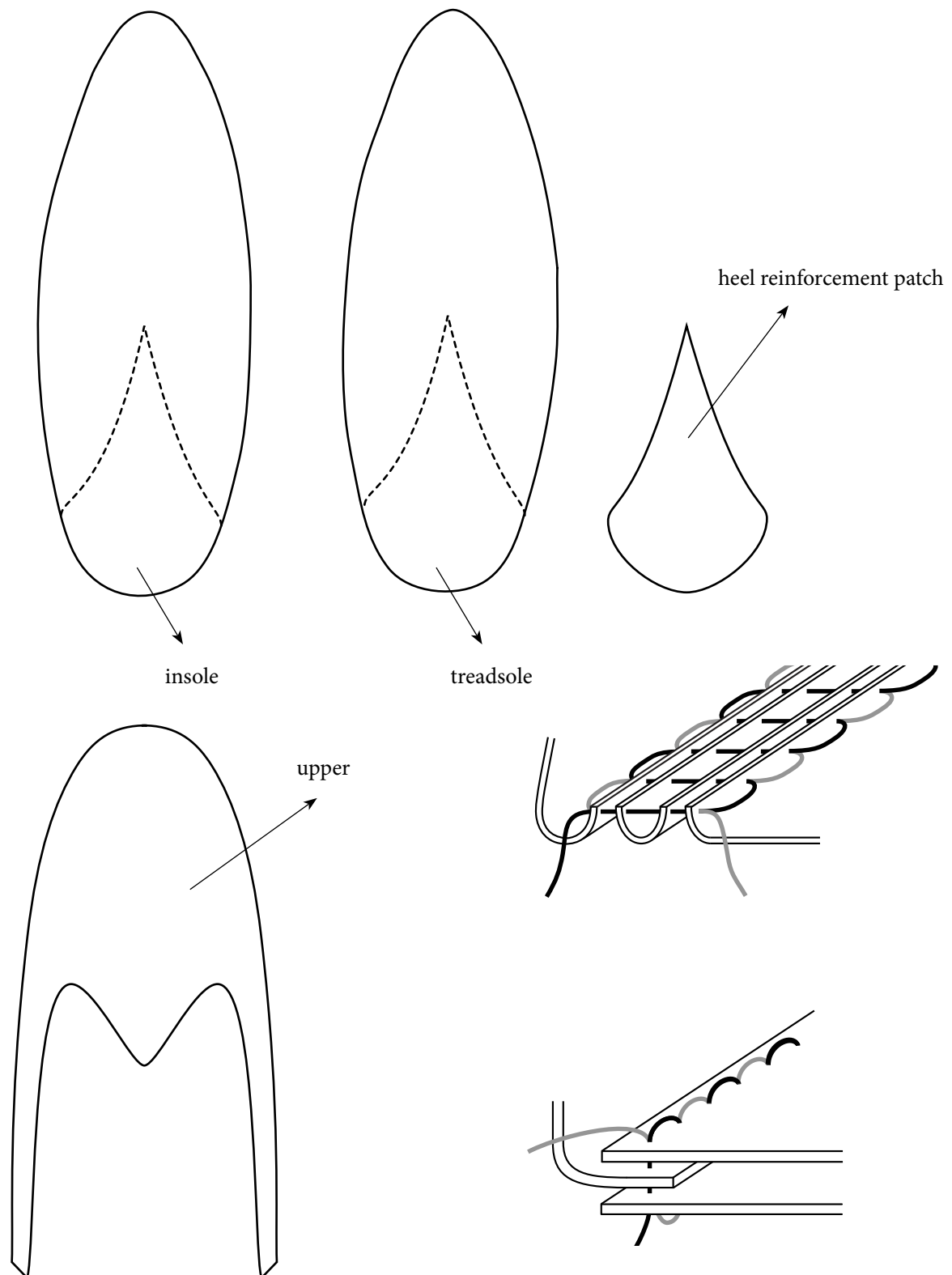


CAT. NO. 69[C]



1973.2.125. Overviews (dorsal and ventral views). Scale bar is 50 mm. National Museums, Liverpool: World Museum

CAT. NO. 69[C] - CONTINUE

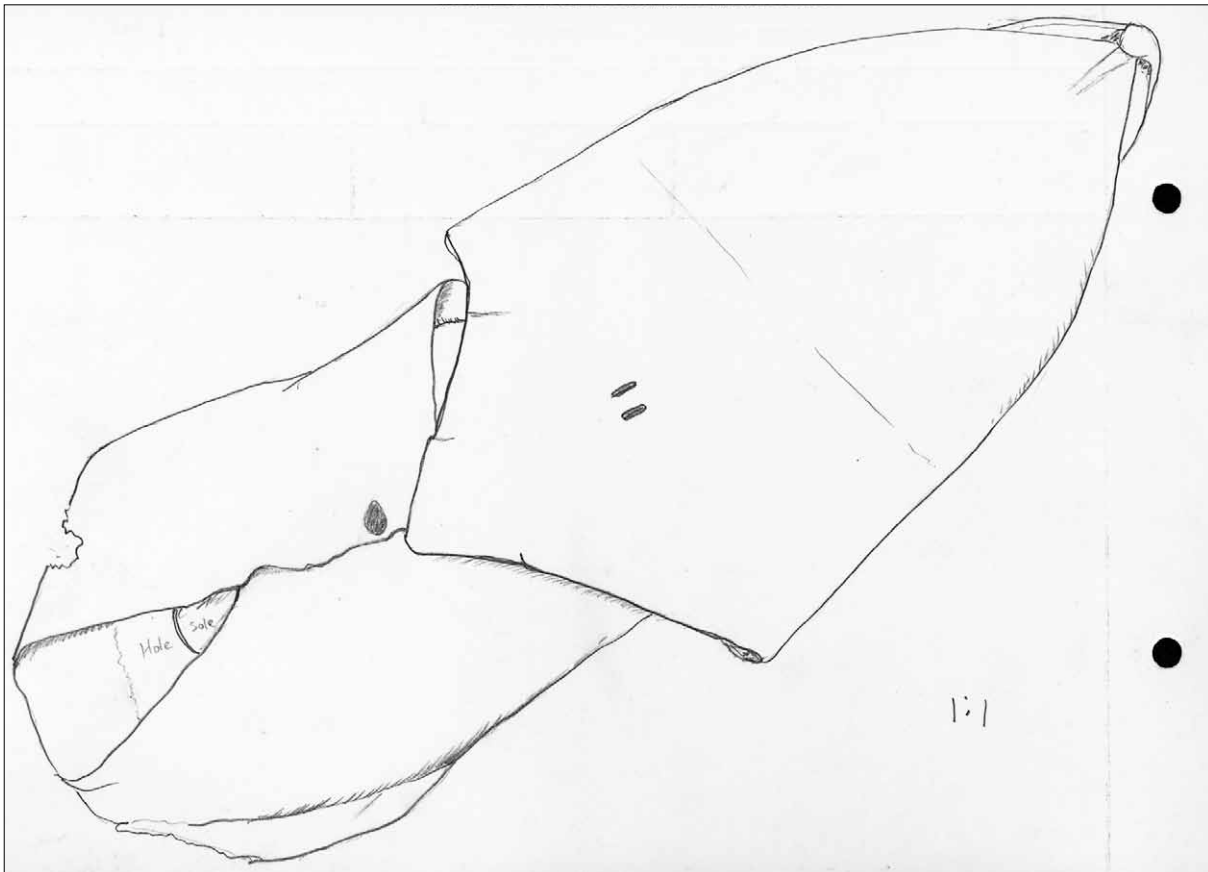


1973.125. Cutting pattern.

1973.125. Top: Diagram of the sole/upper construction of the vamp; Below: Diagram of the construction of the reinforcement patch at the heel, which is inserted in the seam.

CAT. NO. 70

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| DATE<br>84.1.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UNIT<br>357<br>CATHEDRAL SECTION (WEST)<br>LEVEL<br>+ | SHOE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | REG. NO.<br>84/688   |
| EXC. NO.<br>53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DATE OF LEVEL<br>357-0                                | DATE OF OBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |
| PHOTO NOS.<br>84. K5/32-33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       | SIZE<br>LENGTH (SOLE) 20.2 CMS<br>WIDTH ( " ) 5.6 "<br>" (TOTAL) 9.1 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MATERIALS<br>LEATHER |
| <p>SMALL SHOE. SO BADLY MADE IT IS DIFFICULT TO TELL HOW COMPLETE - MAY BE ENTIRELY SO EXCEPT FOR DAMAGE TO REAR UPPER CAUSED BY ITS BEING WALKED ON, OTHERWISE THE UPPER PART OF THE REAR UPPER MAY ALSO BE MISSING.</p> <p>SOLE SINGLE THICKNESS, NOT VERY STOUT, SOFT. SEWN DIRECTLY TO UNDERFOLDED UPPERS WITH TWO SETS OF BEATHER STITCHES, OUTER RUNNING STITCHES, INNER ANGLED. SOLE NARROW, WAISTED,</p> <p>UPPERS<br/>SOLE<br/>SECTION</p> <p>Plan of heel end to show 2 types of stitching. Interior.</p> <p>POINTED TOE, SLIGHTLY UPTURNED.</p> <p>FRONT UPPER ONE PIECE, REAR UPPER ONE PIECE. FRONT UPPER HAS TONGUE 5.0 CMS LONG, NO EDGING OR TRACE OF ANY, AND Bound to Cairo</p> |                                                       | <p>FRONT END PINCHED AND SLIGHTLY FOLDED TO FORM POINTED TOE. TWO VERY CRUDELY PIECEED HOLES TO TAKE TIE, AT BASE OF TONGUE.</p> <p>REAR UPPER OVERLAPS FRONT ON BOTH SIDES OF SHOE BUT THERE IS NO ROUNDEL OR REINFORCEMENT AND THEY ARE NOT STITCHED TOGETHER. THE MAX HEIGHT OF REAR UPPER (6.5 CMS) IS ACHIEVED AT ITS FORWARD EDGE, i.e. THERE IS NO BACK FLAP AND IT SEEMS LIKELY THERE NEVER WAS - THE PRESENT c 5.5 CMS SEEMS ORIGINAL. CRUDE HOLE CUT IN TEN OF LEADING AND TOP EDGES EACH SIDE, FOR TIE. NO EDGING STRIP OR SIGN THERE WAS ONE.</p> <p>PULL MARKS THROUGH TIE HOLES SHOW A TIE WAS USED, BUT IT IS ABSENT.</p> <p>DARK LEATHER THROUGHOUT, BUT FRONT UPPER (GRAINY) DIFFERS FROM REAR UPPER (SMOOTH)</p> <p>AN EXTREMELY CRUDE SHOE.</p> |                      |



CAT. NO. 71



CM 3308. Overviews (ventral and dorsal views). Scale bar is 50 mm. Coptic Museum, Cairo.



CAT. NO. 72



CM 3305. Overviews (dorsal and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 73



CM 10357. Overviews (ventral and dorsal views).  
Scale bar is 50 mm. Coptic Museum, Cairo.

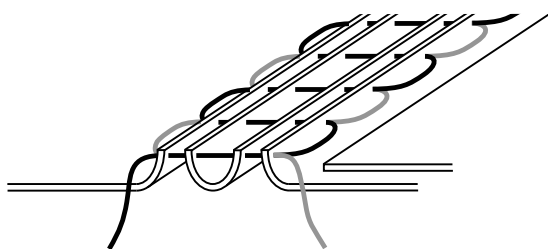


CM 10357. Detail of the sewing along the edge. Scale  
bar is 10 mm. Coptic Museum, Cairo.

CAT. NO. 74



CM 3301. Overviews (from left to right and top to bottom: medial, dorsal, lateral, ventral and back views). Scale bar is 50 mm. Coptic Museum, Cairo.

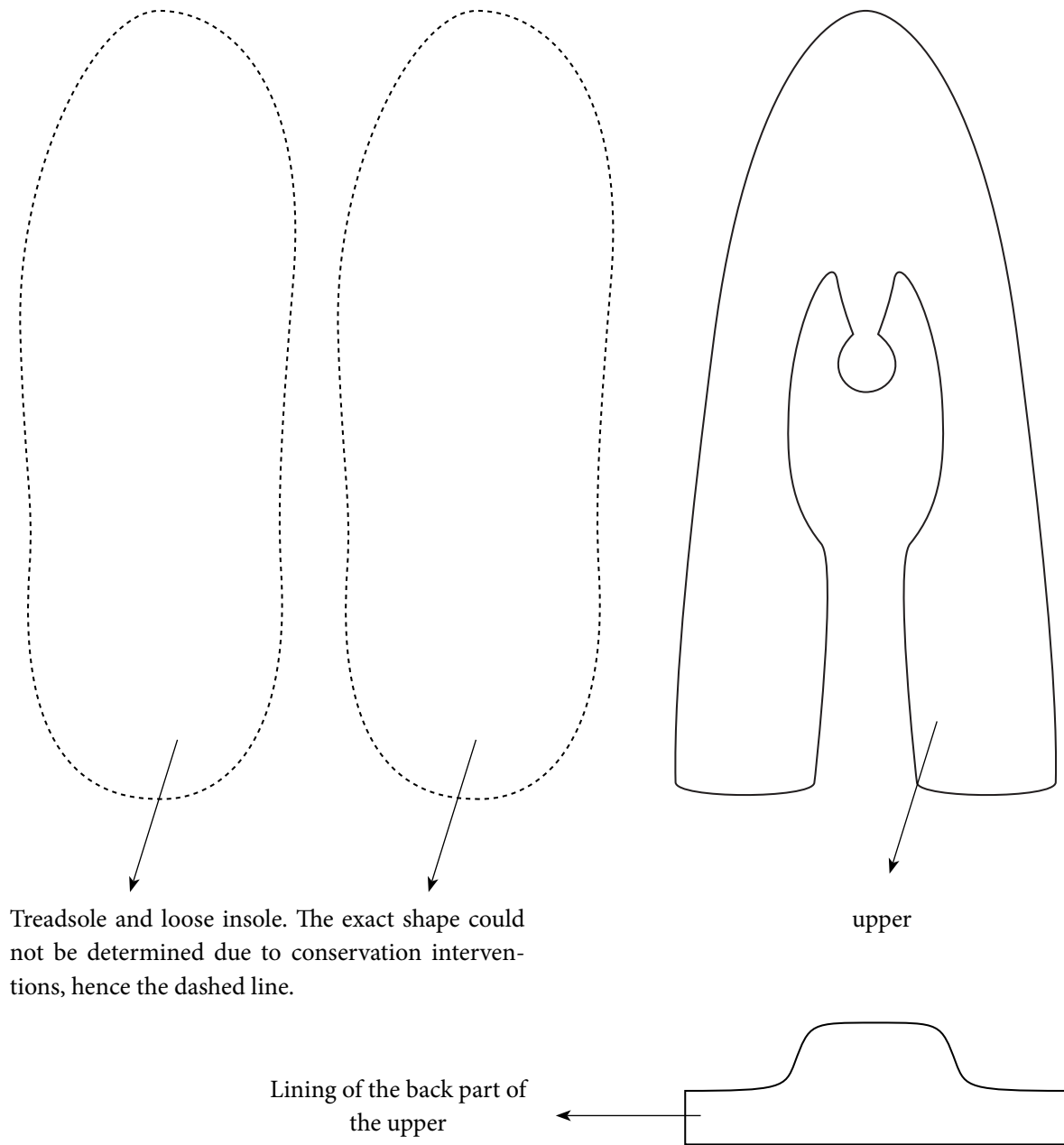


CM 3301. Diagram of the sole/upper construction (tentative).



CM 3301. Detail of the incised decoration at the vamp. Scale bar is 10 mm. Coptic Museum, Cairo.

CAT. NO. 74 - CONTINUE



CM 3301. Cutting pattern. Note that the decoration has not been added, due to the conservation interventions.



## CAT. NO. 75

|                         |                                                         |                                  |                     |
|-------------------------|---------------------------------------------------------|----------------------------------|---------------------|
| DATE<br>80.1.23         | UNIT SOUTH RAMPART STREET<br>LEVEL 23 LOWER COBBLE FILL | FRAGMENT OF<br>SHOE              | REG. NO.<br>80/1018 |
| Exc No. 63              | DATE OF LEVEL R2-334-A                                  | DATE OF OBJECT                   |                     |
| PHOTO Nos<br>80F14/9-10 | SIZE LENGTH 25.0 CMS<br>WIDTH (SOLE) 6.8 CMS            | MATERIALS<br>LEATHER (ALSO FLAX) |                     |

REAR PART OF SHOE. SOLE COMPLETE EXCEPT FOR THE END, REAR UPPIERS PRESERVED IN DAMAGED CONDITION.

TYPE AT THE FRAGMENT 80.1.20/85, AND 80.1.21/92A, ALSO NOW 80.1.23/64. ESSENTIALLY 78.3.15/106 TYPE, FRONT UPPER CUT AWAY. SHAPED SOLE OF SURPRISING NARROWNESS, FROM 6.8 CMS AT BALL OF FOOT DOWN TO ABOUT 3.6 CMS UNDER ARCH. THIS IS A SINGLE THICKNESS. BUT IS LIGHT AND POROUS-LOOKING, WITH ALL STITCHES SHOWING, AND THERE WAS CERTAINLY ANOTHER THICKNESS UNDERNEATH.

UPPER WAS OF 2 THICKNESSES. THE INNER ONE IS LOW ONLY, SHAPED TO RUN PARALLEL TO THE SOLE ALL ALONG THE SIDES, AND ONLY 1.0 - 1.2 CMS WIDE. ABOUT 9 CMS FROM THE BACK OF THE SHOE IT IS STITCHED TO A SECOND PIECE


WHICH RISES HIGHER, THOUGH STILL C 2.1 CMS ONLY, AROUND THE BASE OF THE ANKLE. THIS IS THE LEFT SIDE. ARRANGEMENT; RIGHT IS KNOWN

BUT PROBABLY THE SAME.

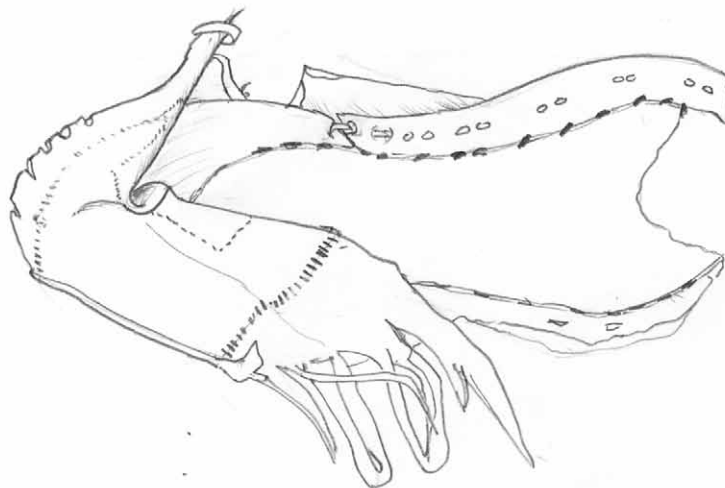
THE OUTER THICKNESS HAS ONLY ONE JOIN. THIS IS ON THE LEFT, ABOUT 4 CMS FROM THE REAR. OTHERWISE IT MAY EVEN HAVE BEEN A CONTINUOUS SHEET OF LEATHER.

THE TWO THICKNESSES ARE SEWN TO THE SOLE WITH S-PLY FLAX. THE EXACT ARRANGEMENT OF THE STITCHING IS VISIBLE BUT DIFFICULT TO WORK OUT UNLESS THE SHOE IS DISMANTLED. THESE STITCHES, OF WHICH THERE 2 ROWS ALONG EACH EDGE, ARE PRESUMED TO HAVE HELD THE UNDER THICKNESS OF SOLE ALSO.

S-PLY FLAX STITCHES SEW TOGETHER THE JOIN OF THE OUTER UPPER

THE OUTER UPPER IS LARGELY PRESERVED AT REAR, THOUGH DISTORTED. ITS HEIGHT WAS ABOUT 8 CMS.; ON EACH SIDE WERE 4 TIE-PROTECTIONS SHAPED  AND FLAT. THESE WOULD HAVE BEEN LACED TOGETHER IN FRONT OF THE ANKLE. SOME ARE NOW BROKEN. THERE IS A SECOND REINFORCING THICKNESS FOR BACK AND TIE ALIKE, DELICATELY STITCHED. ONE TIE HAD A CRUDE REPAIR WITH LEATHER STITCHES.

Kept by Cairo at Dismiss




CAT. NO. 75 - CONTINUE -



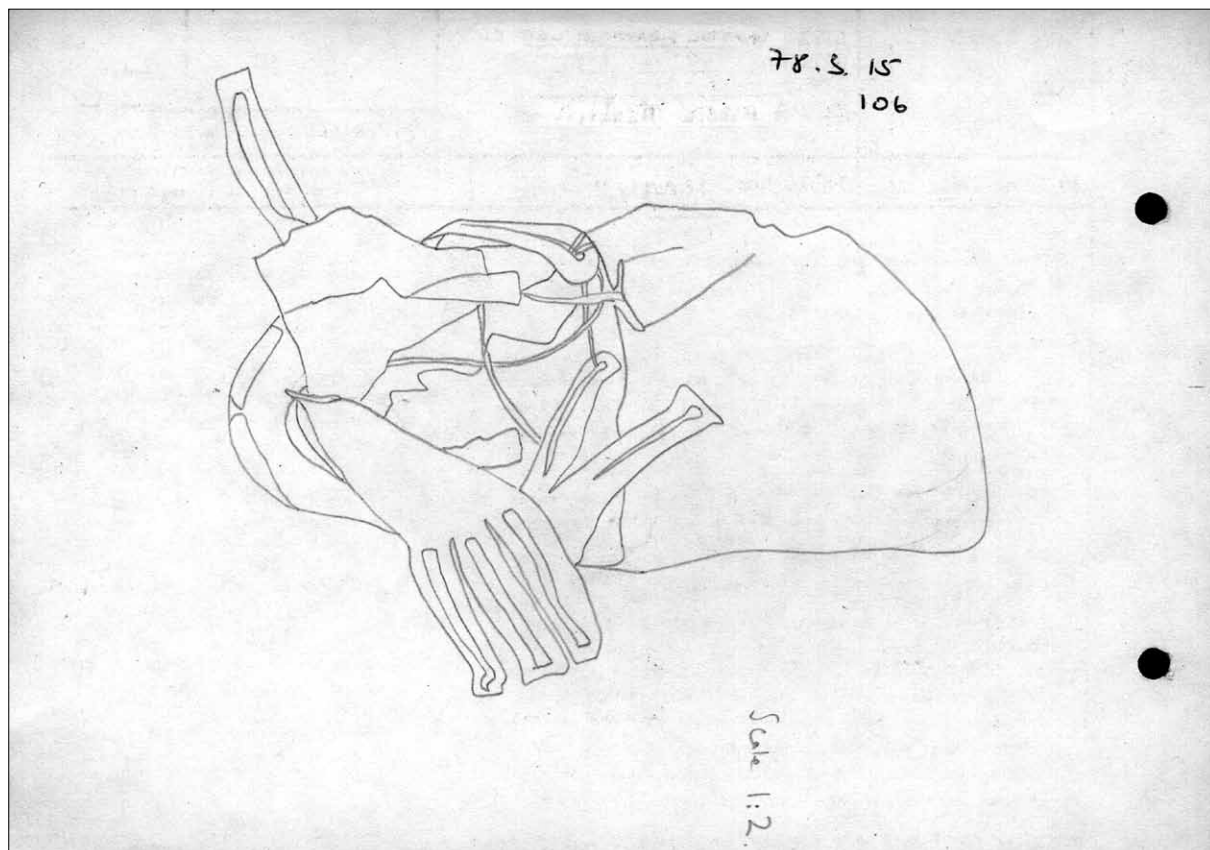
CM 11951. Overviews (ventral and dorsal views). Scale bar is 50 mm. Coptic Museum, Cairo (see CM 11966, Cat No. 76, for the cutting pattern).

## CAT. NO. 76

|                      |                                                                                      |                                        |                        |
|----------------------|--------------------------------------------------------------------------------------|----------------------------------------|------------------------|
| DATE 78.3.15<br>TIME | SITE SOUTH-EAST RAMPART OST R1<br>GRID No SECTIONS A-B<br>LEVEL 3<br>DATING R1-334-A | SHOE                                   | 78/461 pair<br>REG No. |
|                      |                                                                                      | MATERIALS LEATHER                      |                        |
| EXC. No. 106         | PHOTO NOS. 78A45/9; 78A97/22                                                         | SIZE LENGTH 26.5 CMS<br>WIDTH 10.0 CMS |                        |

LEFT SHOE.  
SOLE OF SEVERAL (3?) THICKNESSES OF LEATHER, ATTACHED TO UPPER BY A SINGLE ROW OF LEATHER STITCHES RUNNING RIGHT ROUND.  
VERY LARGE FRONT UPPER WITHOUT SEPARATE TONGUE. LENGTH ON TOP OF THE FOOT ABOUT 15 CMS, TOTAL LENGTH ALONG SIDE OF FOOT ABOUT 21.5 CMS, SHAPED SO THAT LOWEST PART OF FRONT UPPER EXTENDS FURTHEST:  
AT THE TOP OF THE JOIN WITH THE REAR UPPER, A REINFORCING DECORATIVE ELEMENT  SHAPED, 1.5 X 1.5 CMS, LOWEST PART 2 CMS ABOVE SOLE. (RIGHT ONE SURVIVES, LEFT APPARENTLY LOST).  
BACK UPPER NOW CRUMPLED BUT APPEARS TO BE OF DOUBLE THICKNESS LEATHER, OUTER ONE CONTINUOUS, INNER OF 3 PIECES. FROM ITS SHORT SPRING TIE PROTECTIONS, FULL COMPLETION OF 5 ON RIGHT, 2 SURVIVE ON LEFT. ALL RUN FROM REAR TO FRONT, ARE APPROX 6 CMS LONG, AND ARE MADE INTEGRALLY WITH THE UPPER. TOTAL HEIGHT OF REAR UPPER APPARENTLY ABOUT 13 CMS, HIGH ENOUGH TO ENCLOSE THE ANKLE-BONES.  
THIS LEATHER STRAND (WIDTH 1 CM X 2 CMS) TIED IN A KNOT TO THE MID-POINT OF THE REAR EDGE OF THE FRONT UPPER. (SHOE APPARENTLY LEFT BY CAIRO AT DIVISION DETACHED FRAGMENTS - F.O.S.)

UPPER. ONE END PASSES THROUGH LOWEST RIGHT TIE, CROSSES AND PASSES THROUGH LOWEST LEFT TIE AND IS THEN BROKEN. OTHER END MAY HAVE PASSED FIRST THROUGH SECOND-LOWEST RIGHT TIE (BEING BROKEN AT THE POINT WHERE IT CROSSES IT) THEN PASSES THROUGH LOWEST LEFT TIE (THE SECOND STRAND TO DO SO) AND IS THEN BROKEN. THIS METHOD OF LACING, IF CONTINUED, WOULD BE VERY STRONG BUT REQUIRE A VERY LONG LACE. THE LACING IS ASSUMED TO RUN UP THE FRONT OF THE ANKLE.  
ALL EDGES OF THE SHOE MOST CAREFULLY FINISHED OFF WITH TINY LEATHER STITCHES.  
AS USUAL FROM THIS PERIOD AND LOCATION, A FIRST-CLASS JOB.  
LEARN - HOLES UNDER BALL OF FOOT, AT REAR OF HEEL AND VERY FRONT OF SOLE.  
ALSO 2 DETACHED TIE PROTECTION FRAGMENTS  
See over for drawing.





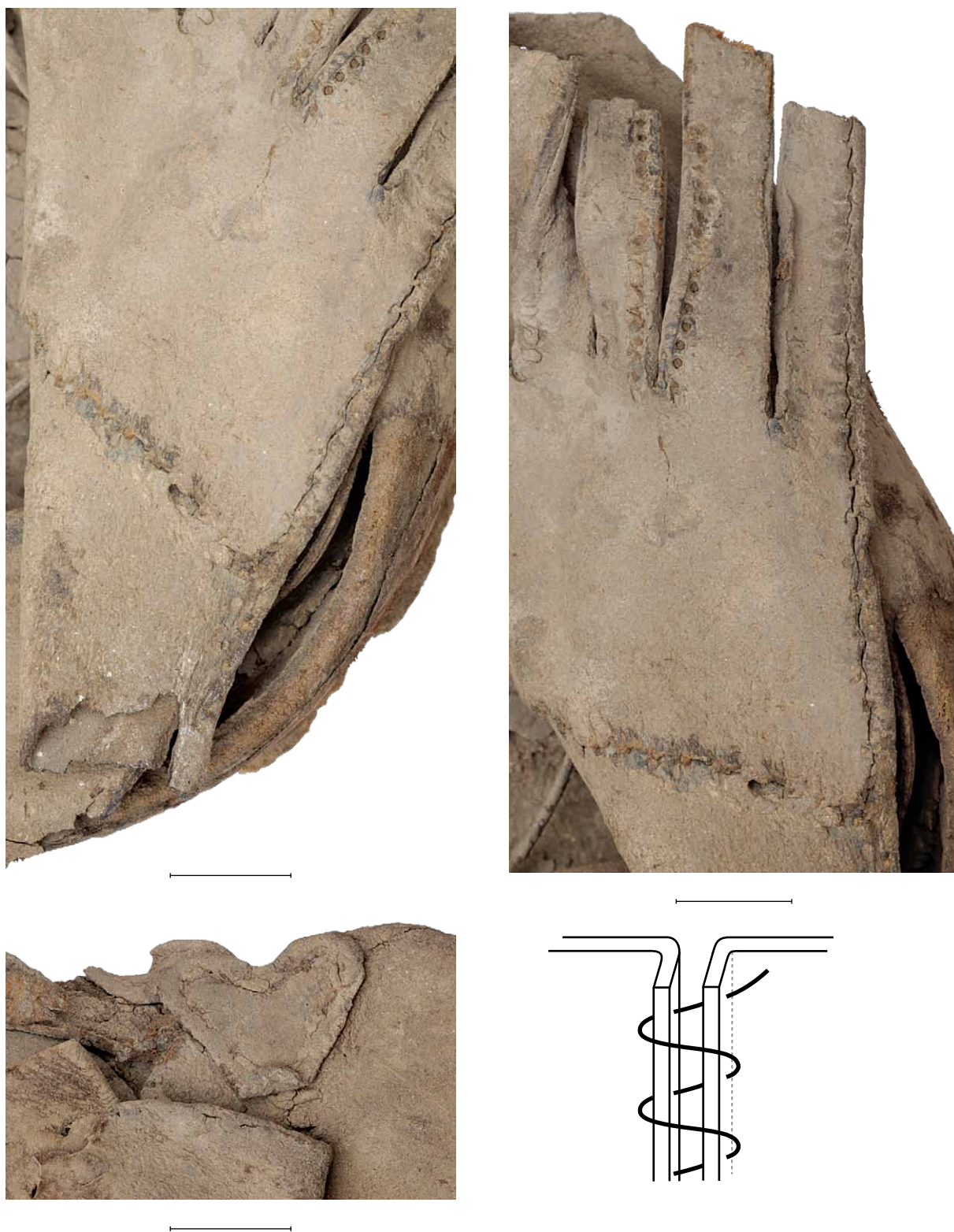
CAT. NO. 76 - CONTINUE -



CM 11966. Overviews (ventral, lateral, dorsal and medial views). Scale bar is 50 mm. Coptic Museum, Cairo.



CAT. NO. 76 - CONTINUE -



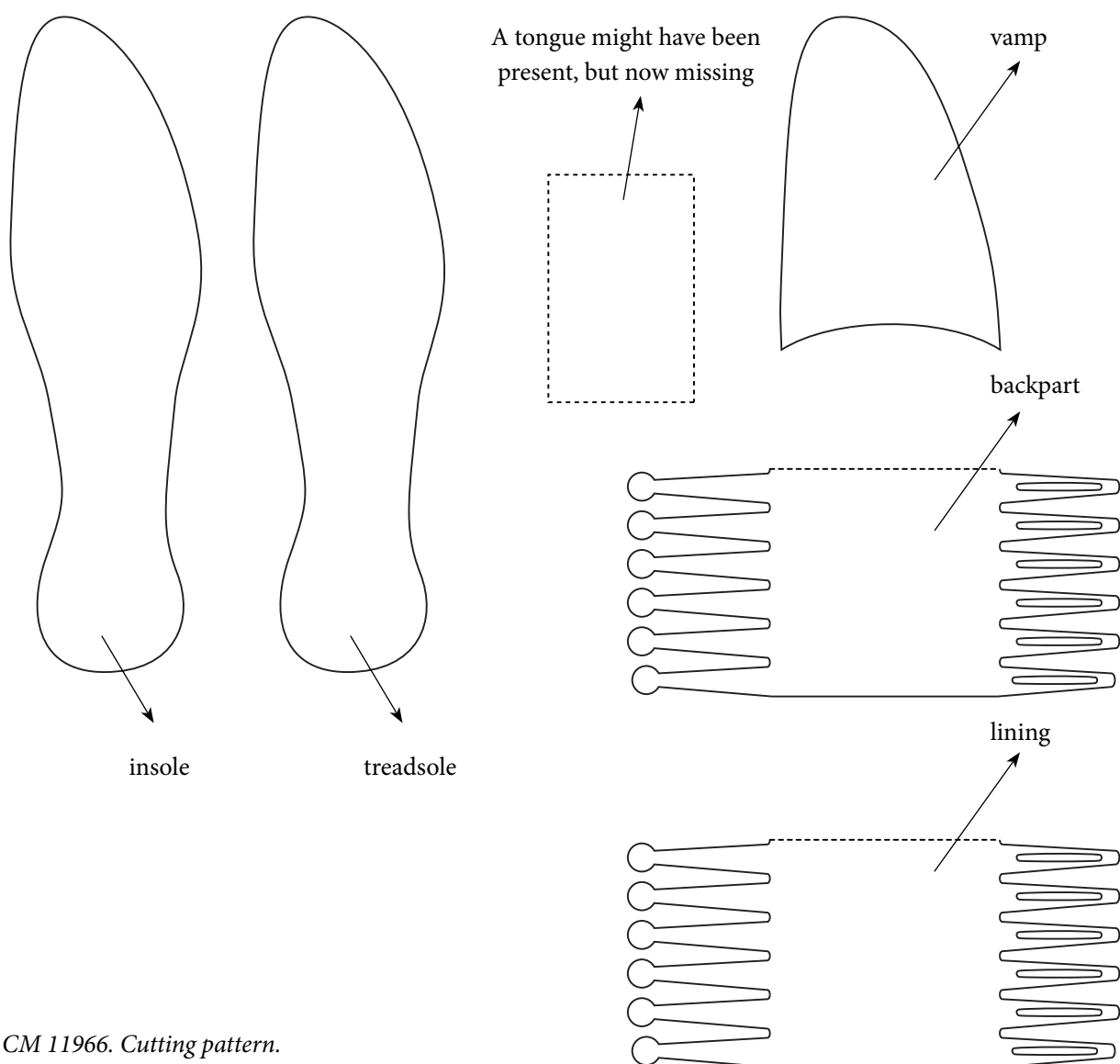
CM 11966. Details. Top left and right: Securing the lining with whip stitching; Bottom right: Diagram of the whip stitching; Bottom left) Detail of the heart-shaped roundel. Scale bars are 10 mm. Coptic Museum, Cairo.

CAT. NO. 76 - CONTINUE -

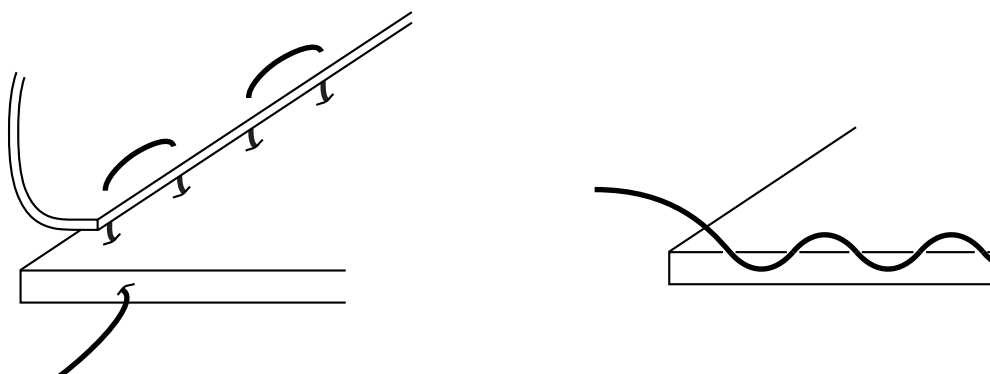


*CM 11966. Top left and right: Details of the extensions on medial side: Left: Details of the lateral side. Scale bars are 10 mm. Coptic Museum, Cairo.*

CAT. NO. 76 - CONTINUE -



CM 11966. Cutting pattern.



CM 11966. Diagram of the sole seam. It could not be determined with certainty, but most likely was made with tunnel stitching.



CAT. NO. 77[C]

|                         |                                                                    |                                                                         |                                     |
|-------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------|
| DATE<br>80.1.20         | UNIT SOUTH RAMPART STREET<br>SECTION C<br>LEVEL 2 COBBLESTONE FILL | FRAGMENT OF<br>SANDAL                                                   | REG. No.<br>80/1018                 |
| Exc. No. 85             | DATE OF LEVEL R2-334-A                                             | DATE OF OBJECT ROMAN                                                    |                                     |
| PHOTO Nos<br>80F7/11-12 |                                                                    | SIZE<br>HEIGHT c 9.0 CMS<br>LENGTH, AT AT PRESENT DISTORTED, c 14.0 CMS | MATERIALS<br>LEATHER (ALSO FLAX(?)) |

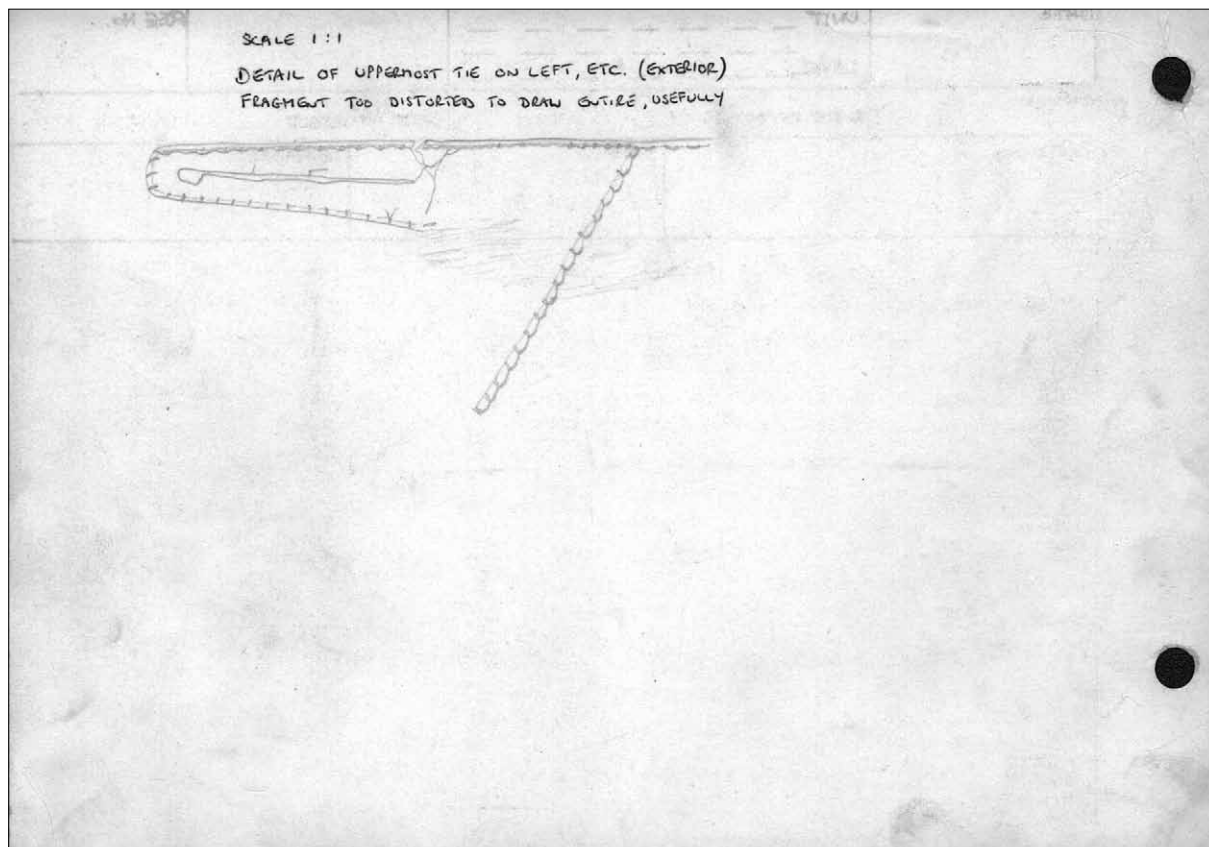
REAR PORTION OF UPPER OF ROMAN SANDAL. MANUFACTURED APPARENTLY FROM A SINGLE SHEET OF LEATHER FOLDED OVER ALONG THE ~~LEFT~~ TOP EDGE. IN THE PART OF THE UPPER THAT PASSED AROUND THE BACK OF THE ANKLE THE OUTER THICKNESS SURVIVES ONLY AS A VERY NARROW STRIP REINFORCING THE TOP EDGE (c 0.2 CMS WIDE), BUT OVER THE ANKLE-BONES IT COMPLETELY COVERS THE OTHER THICKNESS, GIVING DOUBLE STRENGTH TO THE TIES AND THE PIECE FROM WHICH THEY SPRING.

THERE APPEAR TO HAVE BEEN 5 TIES ON EACH SIDE, RUNNING APPROX. HORIZONTALLY AND WRAPPING AROUND THE ANKLE. EXQUISITELY SMALL STITCHING RUNS RIGHT AROUND THE EDGE OF EACH TIE, OVERSEWING THE EDGE AND JOINS THE TWO THICKNESSES SIMILARLY. ~~FLAX(?)~~ STITCHES ARE OF S-SPUN, ABOUT 0.25 CMS APART AND 0.1 - 0.2 CMS LONG.

TO THE LONG SPLIT, AND THE TIES ARE ROUND-SECTION (APPROX.) IN 1/84 AND FLAT-SECTION IN 1/85.

THE TIES ARE SIMILAR TO THOSE OF 80.1.20/84 BUT THE SMALL HOLE IN THE END IS IN 1/85 JOINED

In Faculty of Oriental Studies  
DRAWING OVERLEAF




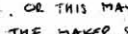



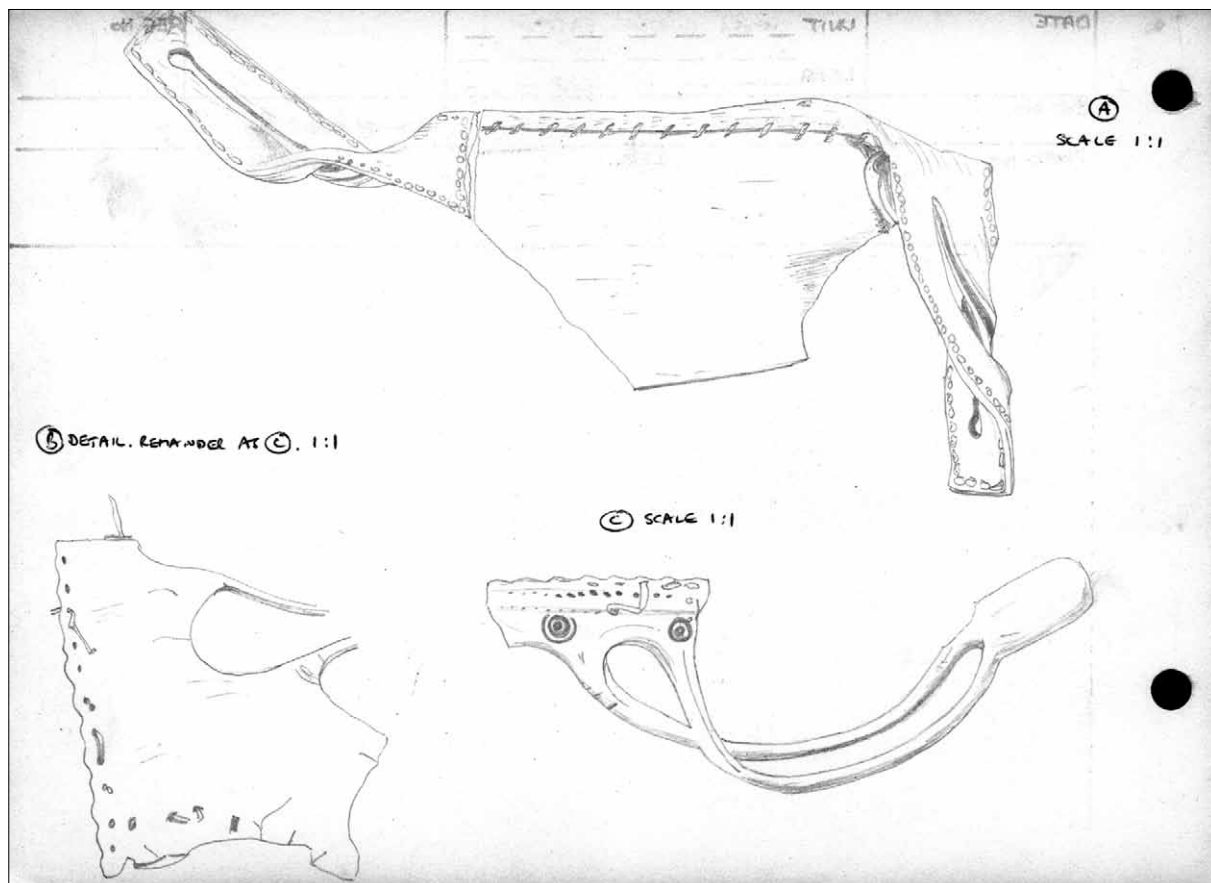
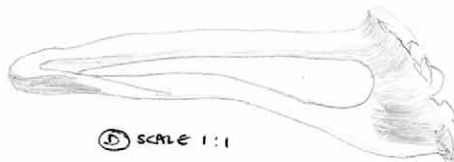
CAT. NO. 77[C] - CONTINUE -



QI 80.1.20/85 (cam-3589). Overviews. Scale bar is 50 mm. EES/British Museum, London.

CAT. NO. 78[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |                                                                                                                         |                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| DATE<br>80.1.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UNIT <u>SOUTH BASTION (C2)</u><br><u>WEST PASSAGE</u><br>LEVEL <u>3</u> QUARRY <u>FILL</u> | FRAGMENT OF<br>SANDALS                                                                                                  | REG. NO. <u>ABCD</u><br><u>80/1053</u> |
| Exc No. <u>92</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DATE OF LEVEL <u>R2-336-A</u>                                                              | DATE OF OBJECT <u>ROMAN</u>                                                                                             |                                        |
| PHOTO Nos <u>(A) 80F 9/7</u><br><u>(B)(C)(D) 80F 9/6</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                            | SIZE<br>A WIDTH 20 CMS, LENGTH 4.9 CMS<br>B WIDTH 5.5 " " (STRETCHED) 14 CMS<br>C " 4.0 " " 10 CMS<br>D " 3.0 " " 8 CMS | MATERIALS<br>LEATHER (ALSO FLAX(?))    |
| <p>(A) FRAGMENT FROM REAR OF SANDAL UPPER. TYPE OF WHICH A SOMEWHAT LARGER FRAGMENT IS REPRESENTED BY 80.1.20/85. UPPER TIE ONLY, ON EACH SIDE, SURVIVES. APPEARS TO DIFFER FROM 80.1.20/85 BY BEING OF MORE THAN ONE PIECE OF LEATHER - ONE THICKNESS FORMS THE CENTRAL AREA AND BOTH TIES, AND IS TURNED OVER TO FINISH OFF THE TOP OF THE CENTRAL AREA. SEPARATE PIECES ARE ATTACHED TO FORM THE SECOND THICKNESS OF THE TWO TIES. ALL STITCHING IS, AS USUAL, WEAT, BUT LESS SO THAN 20/85. FURTHERMORE, PRESUMABLY BECAUSE OF THE USE OF TWO THICKNESSES OF LEATHER, THE STITCHING ON THE TIES IS RUNNING ALONG THE EDGE  NOT OVER THE EDGE . OR THIS MAY SIMPLY BE PREFERENCE OF THE MAKER. STITCHES ARE OF FLAX (PROBABLY). THE STITCHING OF THE CENTRAL AREA, WHERE THE TOP IS TURNED OVER, IS </p> <p>ONE TIE IS DETACHED.</p> <p>(A)(B)(C)(D) In Facsimile of Original Sketches</p> |                                                                                            |                                                                                                                         |                                        |
| <p>(B)(C)(D) SANDAL TIES BELONGING TO A SANDAL OF TYPE OF WHICH FRONT IS 80.1.20/84.</p> <p>(B) REMAINS ATTACHED TO (AND INTEGRAL WITH, OF ONE LEATHER PIECE) PART OF UPPER WITH STITCH HOLES CONTAINING LEATHER STITCHES</p> <p>(C) ALSO REMAINS THE SMALL PIECE OF UPPER WITH WHICH IT WAS INTEGRAL, AND STITCH-HOLE WITH LEATHER IN - ALSO A ROW OF MUCH SMALLER HOLES AND ANOTHER OF DEEPER-IONS, THE LATTER AT LEAST, AND PERHAPS THE FORMER, MUST HAVE BEEN DECORATIVE. THERE ARE ALSO 2 DECORATIVE BOUNDS STAMPED ON.</p> <p>(D) HAS ABOUT 3 HOLES WHERE IT WAS ATTACHED TO THE UPPER.</p> <p>WIDTH OF SPARE ENDS - (B) 1.3 (C) 1.4 CMS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                            |                                                                                                                         |                                        |





CAT. NO. 78[C] - CONTINUE



QI 80.1.21/92A-D (cam-3698). Overviews. Scale bar is 50 mm. EES/British Museum, London.



CAT. NO. 79[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |                                  |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------|---------------------|
| DATE<br>80.1.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UNIT SOUTH RAMPART STREET<br>LEVEL 2B LOWER COBBLE FILL   | FRAGMENT OF<br>SHOE              | REG. No.<br>80/1017 |
| EXC. No. 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE OF LEVEL R2-334-A                                    | DATE OF OBJECT                   |                     |
| PHOTO Nos<br>80F 14/26-27<br>Detail 80F 16/23<br>80F 14/26-27/80F 16/23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SIZE<br>IN PRESENT STATE,<br>LENGTH 25 CMS<br>WIDTH 4.5 " | MATERIALS<br>LEATHER (ALSO FLAX) |                     |
| <p>REAR UPPER OF SHOE, OF TYPE<br/>80.1.20/85, 80.1.21/92A, 80.1.23/64.</p> <p>MADE IN ONE PIECE, FOLDED OVER DOUBLE.<br/>THE INNER THICKNESS IS CUT AWAY IN THE<br/>CENTRAL AREA, ONLY THE TURNED-OVER TOP<br/>EDGE AND THE TIES, AND 1½ CMS TO SUPPORT<br/>THEM, BEING DOUBLE. *</p> <p>NOT DRAWN</p>  <p>EDGES OF TIES OVERSEWN AS 80.1.20/85,<br/>WHICH IT CLOSELY RESEMBLES <br/>AND UNLIKE 80.1.21/92. STITCHES OF FLAX.</p> <p>* A SECOND THICKNESS FROM THE CENTRAL AREA,<br/>ATTACHED SEPARATELY AS APPARENTLY IN 80.1.23/63,<br/>MAY BE LOST.</p> <p>In Faculty of Oriental Studies,</p> |                                                           |                                  |                     |



QI 80.1.23/64 (cam-3694). Overviews. Scale bar is 50 mm. EES/British Museum, London.



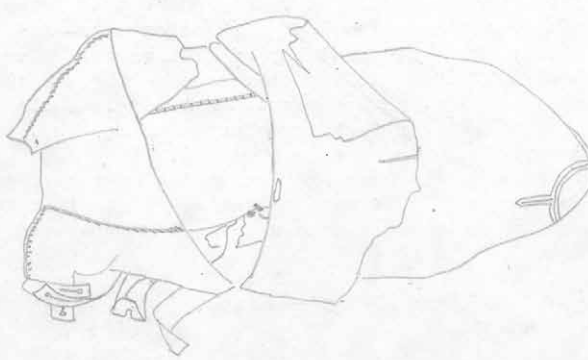
## CAT. NO. 80[C]

2216

|              |                              |                                      |                     |
|--------------|------------------------------|--------------------------------------|---------------------|
| DATE 14.3.12 | SITE <u>South Rampart St</u> | Shoe                                 | 78/462 part REG No. |
| TIME         | GRID No <u>Sections A-B</u>  |                                      |                     |
|              | LEVEL <u>3</u>               |                                      |                     |
|              | DATING <u>R1-334-A</u>       | MATERIALS <u>leather (2150 Flex)</u> |                     |
| Exc. No. 31  | PHOTO Nos. 78A97/23          | SIZE L 28cms W 9 1/2cms              |                     |

Left shoe.  
Sole of ( 2 ? ) thick-  
nesses of leather.  
Heel:  $7\frac{1}{2}$  cm. long,  
8 cm. wide, made  
separately. Large  
leather front upper,  
made in one piece  
except for small  
separate piece on  
right side of front.  
This is neatly att-  
ached and appears  
to be an original  
feature. At max.  
width, near its back,  
it is about  $17\frac{1}{2}$  cm.  
wide. Tongue made in  
one piece with it,  
8 cm. long and c. 15 cm.  
wide, damaged but prob-  
ably rectangular originally

Scale 1:3



~~A. Faculty of Oriental Studies. Transf. to BM 1989~~

78.3.12. 31

and would have covered a substantial part of the front of the wearer's ankle. The back of the front upper is only  $4\frac{1}{2}$  cm. at bottom ( $7\frac{1}{2}$  cm. at the top) from back of sole.

Rear upper is in one piece. Now bent over, but height apparently c. 11 cm. Reinforcing it, except at the rear 7-8 cm., is another thickness on the inside, on both left and right sides. The two thicknesses turned around the ankle, presumably on top of the tongue and each ended with a vertical edge in front of the ankle. From each project 5 rectangular straps from 5 cm. (at top) to 7 cm. (at bottom) in length with cut-outs about 3 cm. long running along them. They consist of  $\frac{1}{2}$  leather thicknesses simply cut ~~from the~~ <sup>into</sup> 5 and with edges over-sewn to prevent splitting. A tie, probably of leather, will have laced up the boot in front of the ankle, passing through these 5 straps on each side, probably cross-crossing. Inside the rear upper are small strengthening pieces of leather, size and shape uncertain while shoe is crumpled. Along the junction of front upper and sole runs another strengthening strip, c. 1 cm. tall, doubling the thickness of the sides for that height. ~~Sole~~ <sup>Sole</sup> sewn to uppers and uppers sewn together, with 5-11/2 Flex.

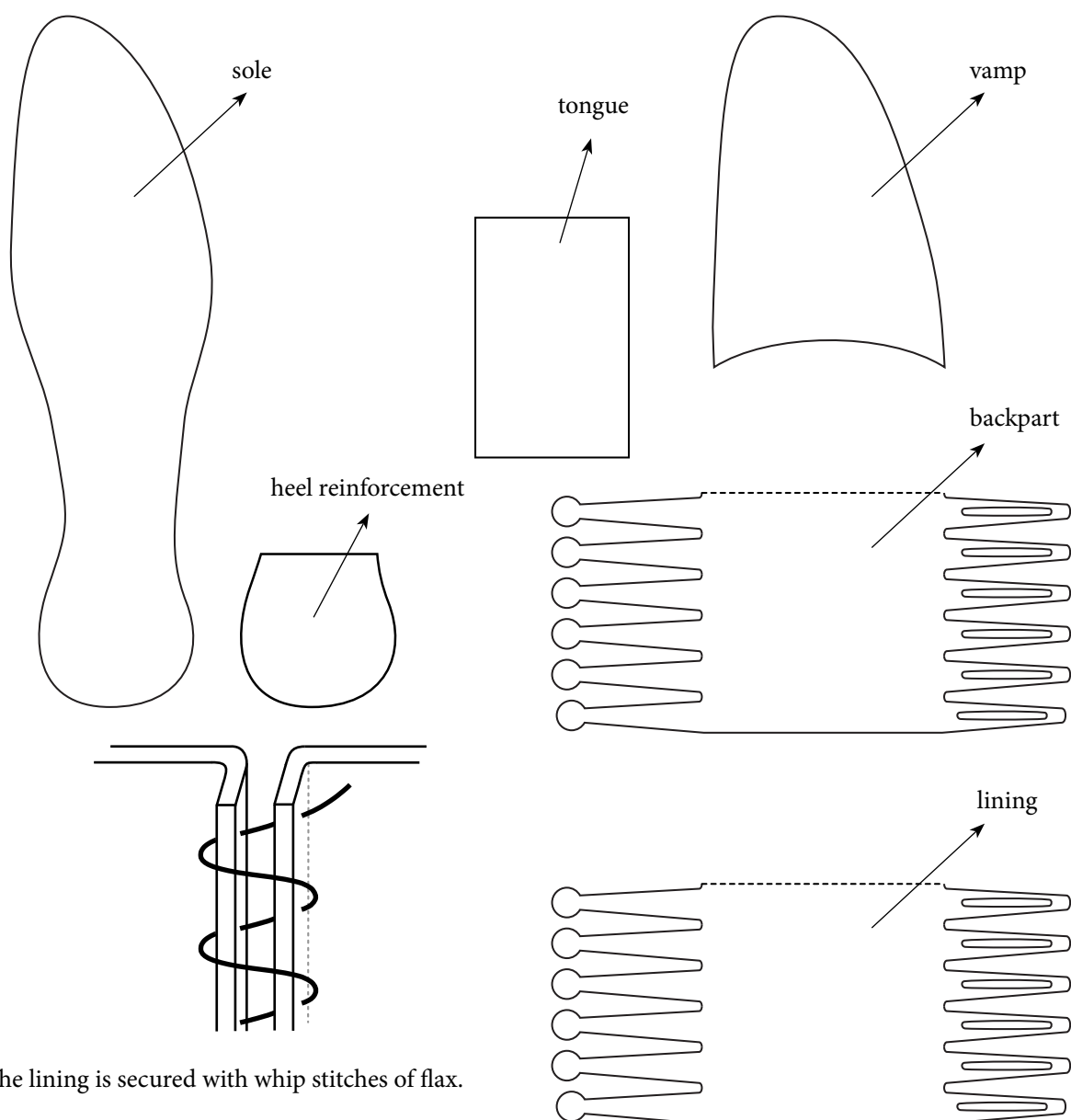
Shoe almost complete.

CAT. NO. 80[C] - CONTINUE -



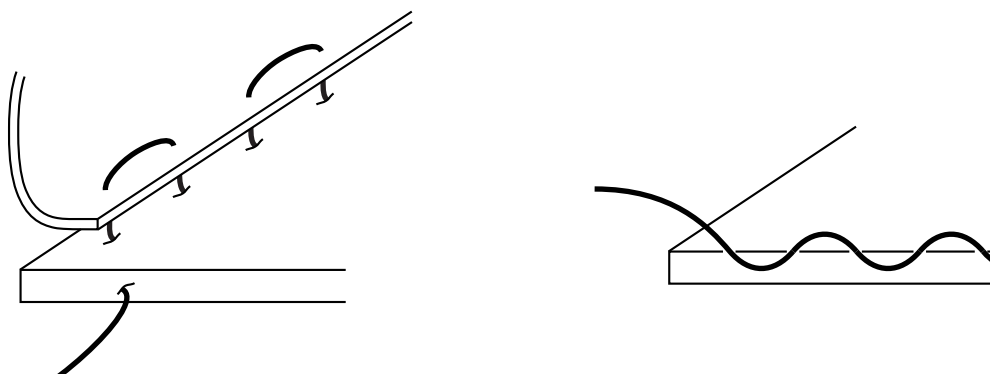
QI 78.3.12/31 (EA 71820). Overviews (from top to bottom: ventral, medial, dorsal and lateral views; left: back; right: front). Scale bar is 50 mm. Photographs (except dorsal and back views) by A. 't Hooft. British Museum, London.

CAT. NO. 80[C] - CONTINUE -



The lining is secured with whip stitches of flax.

QI 78.3.12/31 (EA 71820). Cutting pattern.



QI 78.3.12/31 (EA 71820). Diagram of the sole/upper construction, made with tunnel stitching.



## CAT. NO. 81[C]

2769

|              |                         |                               |                                     |
|--------------|-------------------------|-------------------------------|-------------------------------------|
| DATE 78.3.21 | SITE WEST RAMPART       | SHOE                          | 78/461 post                         |
| TIME         | GRID No BELOW EC HOUSES | REG No.                       |                                     |
|              | LEVEL 0                 |                               |                                     |
|              | DATING M1-335-A         | MATERIALS LEATHER (ALSO FLAX) |                                     |
| EXC. No. 21  | PHOTO Nos. 78A 97/21    | SIZE                          | SOLE LENGTH 24 cms<br>" WIDTH 9 cms |

DOUBLE THICKNESS LEATHER SOLE, ALMOST COMPLETE. THE 2 THICKNESSES SEWN TOGETHER AND TO THE UPPERS WITH 5-PLY FLAX. THESE STITCHES RUN ALL AROUND THE EDGE, SHOWING BENEATH SOLE, AND IN A LINE ACROSS 11 cms FROM THE FRONT; ALSO A SINGLE STITCH IN THE MIDDLE 6 cms FROM THE BACK.

THERE WERE NO HOBNAILS.

UPPERS HAVE NOW PARTED FROM SOLE EXCEPT ON LEFT SIDE.

UPPER APPEARS TO BE MADE IN ONE PIECE, BUT IN PRESENT FLATTENED STATE THIS IS NOT CERTAIN - THERE MAY BE JOINTS PART WAY ALONG THE SIDES. FRONT UPPERS EXTENDS C 11 cms OVER FOOT, BUT THERE IS NO SEPARATE TONGUE. IN CENTRE OF TRAILING EDGE, 2 SMALL HOLES 1 cm APART, THROUGH WHICH PASSES A TIE 0.2 cms WIDE, OF LEATHER, PASSING UNDERNEATH BETWEEN THE HOLES AND UP THROUGH THEM, ONE SURVIVES FOR 12 cms TO A BREAK. THE OTHER RUNS 2 cms TO A KNOT (PROBABLY IT BROKE) THEN RUNS ANOTHER 10 cms TO A BREAK.

FROM THE TRAILING EDGE OF THE FRONT UPPER, THERE RUNS A THIN PIECE OF LEATHER, PROBABLY A TONGUE, ABOUT 5 cms LONG AND THE FULL WIDTH OF THE UPPER.

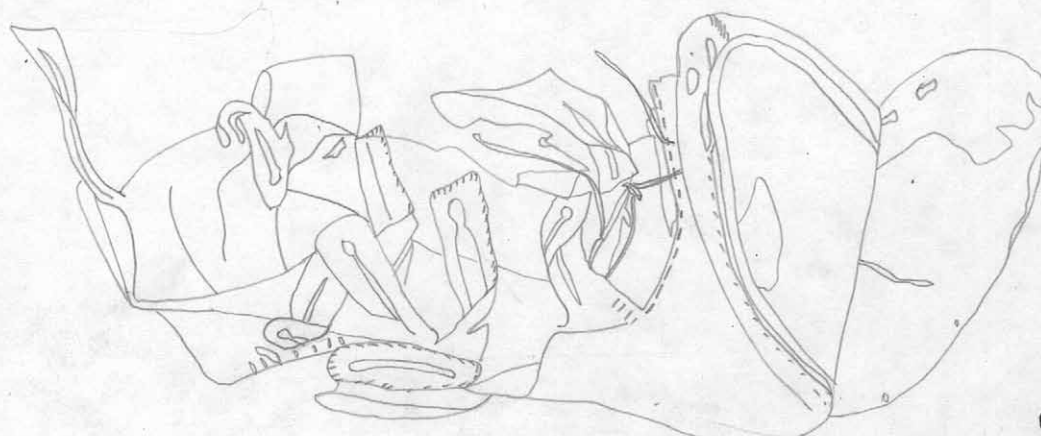
THE SIDE UPPERS ARE NOW MUCH FOLDED, BUT WERE PROBABLY 6-8 cms HIGH FROM THE TOP EDGE, ALL ALONG THE SIDES, RAN TIE PROJECTIONS WHICH ARE INTEGRAL WITH THE UPPERS. THESE ARE ABOUT 4 1/2 - 6 cms LONG, 1-2 cms WIDE, AND HAVE ~~CUT~~ CUT SLITS RUNNING ALONG THEM, ENDING IN A CUT-OUT HOLE IN EACH CASE, C 0.8 cms FROM THE TIP. THE BASES OF THESE TIES ARE CONTINUOUS FROM THE END OF THE TONGUE ALMOST TO THE BACK. ALL 6 SURVIVE ON THE RIGHT; 1 (OR 2?) ARE LOST ON THE LEFT. THE DISTANCE AROUND THE BACK WHICH IS FREE OF THEM IS ABOUT 9 cms. THE THIN STRANDS FROM THE FRONT UPPER, NOW BROKEN, WILL HAVE PASSED THROUGH THESE, AND THEN PROBABLY STOOD UPRIGHT ALONG THE SIDES OF THE ANKLE. THE EDGES WERE NICELY FINISHED WITH TINY LEATHER STITCHES IN EACH CASE.

In Faculty of Oriental Studies, Trondheim to B.D. 1989

PSD

UNUSUALLY AMONG HEROIC SHOES, THIS ONE HAS BEEN PATCHED. A SMALL HOLE IN THE REAR OF THE UPPER WAS BEEN COVERED BY A RECTANGULAR PATCH, 2.5 cms x 7 (2.5 cms +), VERY NEATLY SEWN WITH SIMILAR TINY LEATHER STITCHES. THERE IS A SPLIT IN THE SOLE UNDER THE BALL OF THE FOOT, AND THE VERY BACK OF THE HEEL IS BROKEN AWAY.

Scale 1:2.





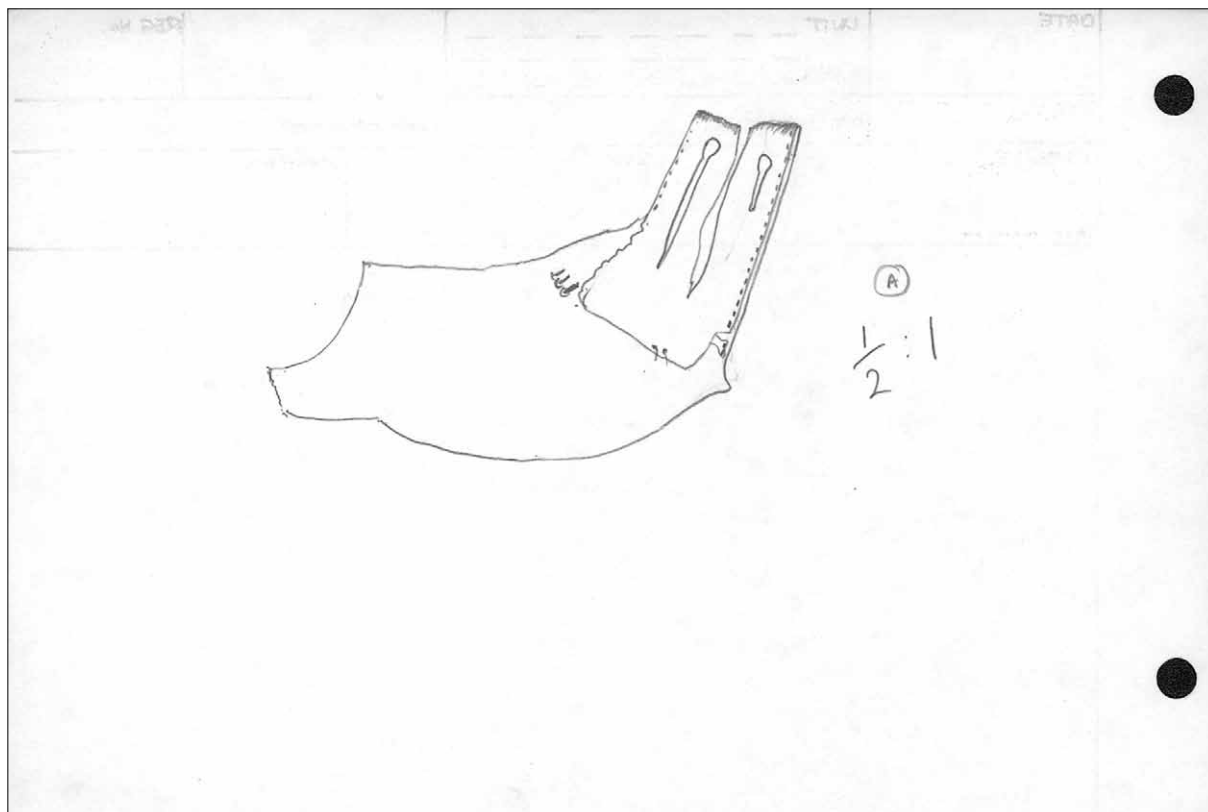
CAT. NO. 81[C] - CONTINUE -



QI 78.3.21/21 (EA 71819). Overviews (from top to bottom: ventral, medial, dorsal and lateral views; left: back). Scale bar is 50 mm. Photographs by A. 't Hooft. British Museum, London.

CAT. NO. 82[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                         |                                                                              |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------|
| DATE<br>80.1.27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UNIT SOUTH RAMPART STREET<br>LEVEL 2B LOWER COBBLE FILL | FRAGMENTS OF<br>SHOES                                                        | REG. NO. (A) B<br>80/1053        |
| EXC. NO. 48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DATE OF LEVEL R2- 334-A                                 | DATE OF OBJECT                                                               |                                  |
| PHOTO NOS (A) 80F 16/16<br>(B) 80F 16/17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         | SIZE<br>(A) LENGTH 17 CMS, WIDTH 12 CMS<br>(B) 7.2 x 5.0 CMS (THICKER PIECE) | MATERIALS<br>LEATHER (ALSO FLAX) |
| <p>(A) REAR END OF SHOE UPPER OF TYPE REDDISTRIBUTED BY 80.1.20/85, 1.21/92A, 1.23/63, 1.23/64. CENTRAL AREA, AND TWO TIES FROM TOP OF LEFT SIDE, REMAINDER CUT OFF. UNUSUALLY THICK LEATHER. IF TOP EDGE TURNED OVER, IT HAS NOW BEEN CUT OFF. AS PRESENTLY SURVIVING, IT IS TWO THICKNESSES, OF WHICH ONE IS OF THE TIES AND THEIR SUPPORT ONLY. THE STITCHING, OF 5-PLY FLAX OVERLIES THE EDGES OF THE TIES AT 80.1.20/85 AND 80.1.23/64.</p> <p>(B) FRAGMENT, PERHAPS OF SANDAL OF TYPE 80.1.23/66 etc., BUT UNCLEAR WHERE IT CAME. APPEARS TO BE THE EDGE OF A SOLE, BUT ANOTHER FRAGMENT SEWN TO IT AND MANY OTHER STITCHES, OF 5-PLY FLAX.</p> <p>POSSIBLY NOT A SHOE AT ALL, THOUGH AN UNIDENTIFIED PIECE OF 80.1.27/46 POSSIBLE.</p> <p>(A) As per drawing, 1982.<br/>(B) In Faculty of Oriental Studies</p> |                                                         |                                                                              |                                  |



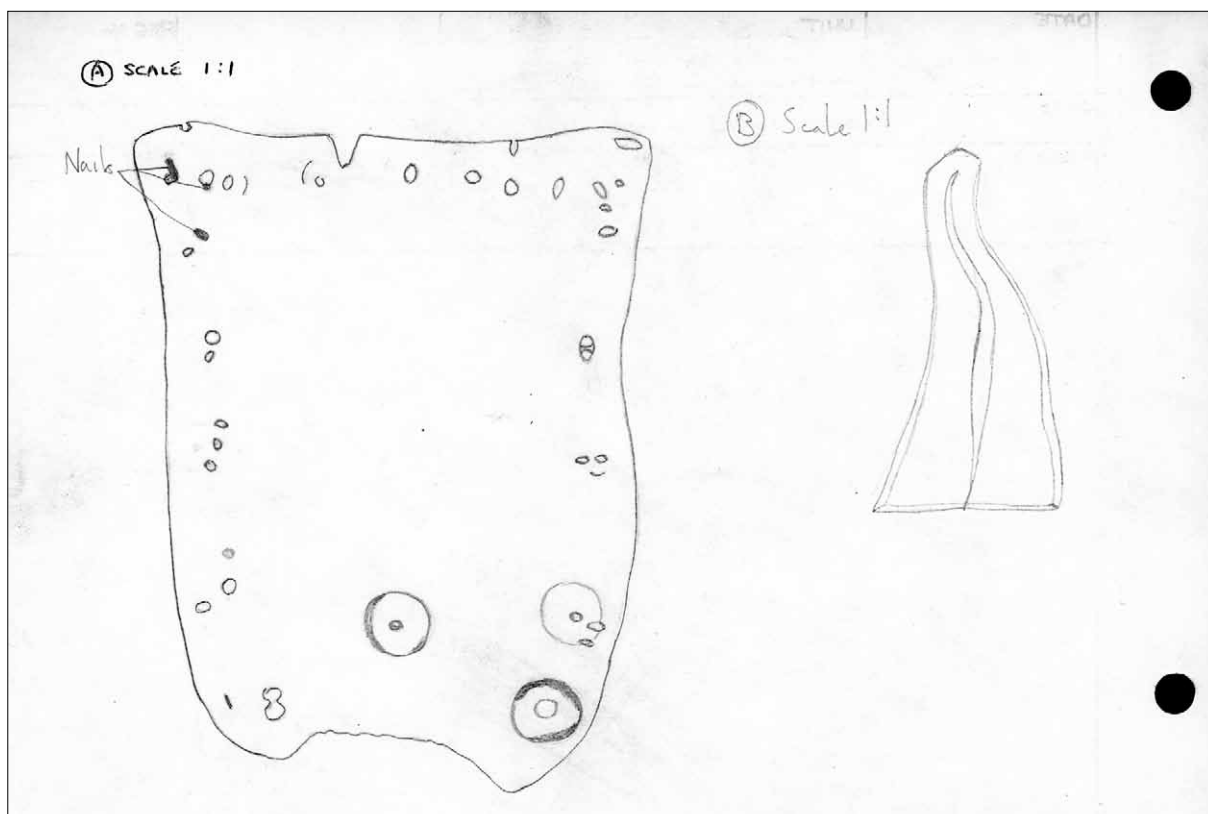
CAT. NO. 82[C] - CONTINUE -



QI 80.1.27/48A (cam-3629). Overview (obverse and reverse). Scale bar is 50 mm. EES/British Museum, London.

CAT. NO. 83[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                  |                           |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| DATE<br>80.1.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | UNIT SOUTH RAMPART STREET<br>SECTION B<br>LEVEL 4                                                | FRAGMENTS OF<br>SANDALS   | REG. No. (A)(B)<br>80/1053 |
| Exc No. 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE OF LEVEL R1-334-A                                                                           | DATE OF OBJECT            |                            |
| PHOTO Nos (A) 80F21/20-21<br>(B) .. /35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SIZE<br>(A) LENGTH 10.3 CMS<br>WIDTH 9.0 "<br>(B) LENGTH 6.0 "<br>WIDTH 3.3 "<br>THICKNESS 0.2 " | THICK-<br>NESS<br>0.1-0.2 | MATERIALS<br>LEATHER       |
| <p>(A) ALMOST COMPLETE SEPARATE HEEL-PIECE FROM SANDAL SOLE. SMALL PIECE OF REAR END LOST.<br/>LOWER THICKNESS, WITH SINGLE* IMPRESSION OF HOENAIL, DIA. 1.4 CMS, APPROX 2.5 CMS FROM (RECONSTRUCTED) REAR END.<br/>STITCH-HOLES ALL ROUND, WITH FRAGMENTS OF LEATHER STITCHES, THIN, IN SOME, FOR ATTACHMENT TO THE FULL SOLE ABOVE. cf 80.1.21/121<br/>* NOTED LATER, MUCH FAINTER IMPRESSIONS, APPROX SAME SIZE, IN LINE ALONG RIGHT EDGE; THREE RESPECTIVELY 1.5, 3.5, 5.5 CMS FROM REAR END. HOLES ARE MIXED WITH STITCH-HOLES. 3 OTHER HOLES, NO IMPRESSIONS, ON LEFT SIDE MAY ALSO BELONG. (RIGHT AND LEFT WITH SOLE INVERTED). (A)(B) Faculty of Oriental Studies</p> <p>(B) FLAT-SECTION TIE OF STOUT LEATHER, FROM SANDAL OF TYPE OF 80.1.23/66 ETC. CUT OFF WITH A KNIFE.<br/>(A) PROBABLY FROM SIMILAR SANDAL.]</p> |                                                                                                  |                           |                            |





## CAT. NO. 84[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                          |                                   |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|--------------------------|
| DATE<br>80.1.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNIT SOUTH RAMPART STREET<br>SECTION B<br>LEVEL 4        | FRAGMENTS OF<br>SHOES             | REG. NO. ABCD<br>80/1053 |
| EXC. NO. 79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DATE OF LEVEL RI-334-A                                   | DATE OF OBJECT                    |                          |
| PHOTO Nos (A) 80F21/25<br>(B) " /33<br>(C) 80F21/25<br>(D) 80F21/33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SIZE<br>(A) LENGTH 7.2 CMS<br>MAX WIDTH 1.4 CMS<br>(TIE) | MATERIALS<br>LEATHER (ALSO PLANK) |                          |
| <p>(A) TIE FROM SHOE OF TYPE OF 80.1.23/63 ETC.<br/>THE VARIETY THAT HAS SINGLE LEATHER<br/>THICKNESS, TURNED DOUBLE AND EDGES OVERLAP<br/>WITH TINY STITCHES, PROBABLY OF PLANK.</p> <p>(B) POSSIBLE SHOE-SOLE FRAGMENT. CORNER,<br/>WITH STITCH-HOLES. LEATHER IS SHOE-SOLE TYPE.*</p> <p>(C) POSSIBLE SHOE-SOLE FRAGMENT. CORNER,<br/>STITCH HOLES ON ONE EDGE, LEATHER STITCH IN.<br/>NOT BY ANY MEANS CERTAINLY FROM A SHOE</p> <p>(D) VERY PROBABLY A SHOE-SOLE, SANDAL-SOLE OR<br/>INSOLE (NO SIGNS OF STITCHING); ONE SIDE, EDGE<br/>INTACT. VERY MUCH DETERIORATED.</p> <p>* CLOSELY RESEMBLES 80.1.30/64A</p> <p>(A)(B)(C)(D) Faculty of Oriental Studies</p> |                                                          |                                   |                          |



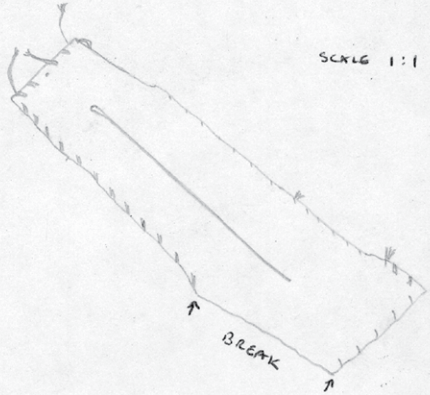
QI 80.1.30/79A (cam-3558). Overviews (outer and inner views). Scale bar is 50 mm. EES/British Museum, London.



QI 80.1.30/79A (cam-3558). Detail of the stitching. Scale bar is 10 mm. EES/British Museum, London.



CAT. NO. 85[C]

|                                                                                                                                                                                                                                                                                                                                                             |                                                    |                                         |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|----------------------------------|
| DATE<br>80.2.3                                                                                                                                                                                                                                                                                                                                              | UNIT SOUTH RAMPART STREET<br>SECTION D<br>LEVEL 3B | SHOE<br>TIE?                            | REG. No.<br>80/1053              |
| Exc No. 73                                                                                                                                                                                                                                                                                                                                                  | DATE OF LEVEL RI-334-A                             | DATE OF OBJECT ROMAN                    |                                  |
| PHOTO Nos<br>80F43/35 below<br>80F41/9                                                                                                                                                                                                                                                                                                                      |                                                    | SIZE<br>LENGTH 7.6 cms<br>WIDTH 2.2 cms | MATERIALS<br>LEATHER (ALSO FLAX) |
| <p>SINGLE-THICKNESS LEATHER FRAGMENT<br/>PERHAPS A TIE FROM A SHOE OF TYPE<br/>OF 80.2.3/73.</p> <p>EDGES TURNED OVER AND OVERSEWN<br/>WITH STITCHES OF S-PLY FLAX.<br/>(SOME NOW UNDONE).</p> <p>POINT OF JOIN WAS AT END OF ONE LONG<br/>SIDE, NOT AT AN END. CUT OFF.</p> <p>UNUSUALLY ILL-MADE SLIT, SIMPLY A CUT<br/>WITH A SLIGHTLY-ENLARGED END.</p> |                                                    |                                         |                                  |
|                                                                                                                                                                                                                                                                           |                                                    |                                         |                                  |
| In Faculty of Oriental Studies                                                                                                                                                                                                                                                                                                                              |                                                    |                                         |                                  |



QI 80.2.3/73 (cam-3559). Overviews (inner and outer views). Scale bar is 50 mm. EES/British Museum, London.

QI 80.2.3/73 (cam-3559). Details of the stitching (outer and inner views). Scale bar is 10 mm. EES/British Museum, London.





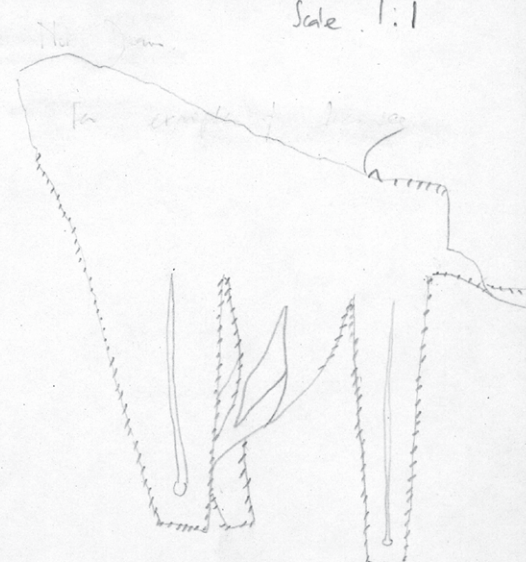
## CAT. NO. 86[C]

2696

|                      |                                                                                   |                               |                        |
|----------------------|-----------------------------------------------------------------------------------|-------------------------------|------------------------|
| DATE 78.3.19<br>TIME | SITE SOUTH BASTION (C2) TRI<br>GRID No WEST PASSAGE<br>LEVEL 1<br>DATING R2-336-A | FRAGMENT of<br>shoe           | 78/ REG No.<br>463 par |
|                      |                                                                                   | MATERIALS LEATHER (also FLAX) |                        |
| EXC.No. 115          | PHOTO Nos. None                                                                   | SIZE 9x9 cms                  |                        |

FRAGMENT OF SHOE UPPER.  
APPARENTLY COMPLETE ELEMENT.  
TWO THICKNESSES OF LEATHER SEWN  
FACE TO FACE WITH TINY NEAT  
STITCHES OF 2-PLY FLAX.  
BOTH THICKNESSES PRESENT IN A ROW  
OF 4 TIE-PROJECTIONS, ABOUT 5 CMS  
IN LENGTH EACH ONE. THESE HAVE A  
LONGITUDINAL CENTRAL SLIT 2.5 CMS  
LONG ENDING IN A CUT CIRCULAR  
HOLE AT THE TIE END. ONE THICKNESS  
STOPS 0.8 CMS BEYOND THE TIE-  
PROJECTION; THE OTHER IS 1-3 CMS  
LONGER.  
PRESUMABLY THE FRONT PART OF THE  
REAR UPPER ON THE RIGHT FOOT  
SHOE

Scale 1:1



In Faculty of Oriental Studies



QI 78.3.19/115 (cam-3595). Overviews (outer and inner views). Scale bar is 50 mm. EES/British Museum, London.



QI 78.3.19/115 (cam-3595). Detail of the stitching. Scale bar is 50 mm. EES/British Museum, London.



CAT. NO. 87[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                         |                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|----------------------------------|
| DATE<br>80.2.4                                                                                                                                                                                                                                                                                                                                                                                                               | UNIT SOUTH RAMPART STREET<br>SECTION 2<br>LEVEL 3B | FRAGMENT<br>OF SHOE                     | REG. No.<br>80/1053              |
| Exc No. 74                                                                                                                                                                                                                                                                                                                                                                                                                   | DATE OF LEVEL R1-334-A                             | DATE OF OBJECT ROMAN                    |                                  |
| PHOTO Nos<br>80F43/35 above<br>80F41/6                                                                                                                                                                                                                                                                                                                                                                                       |                                                    | SIZE<br>LENGTH 6.9 CMS<br>WIDTH 2.6 CMS | MATERIALS<br>LEATHER (ALSO FLAX) |
| <p>TIE FROM SHOE OF 80.1.23/63 TYPE, VERY SIMILAR TO 80.2.3/73 BUT NOT SAME SHOE BECAUSE OF DIFFERENCES OF COLOUR, ETC.</p> <p>DOUBLE-THICKNESS OF LEATHER, OF TWO SEPARATE PIECES ON THIS FRAGMENT, EDGES SEW BUT NOT ACTUALLY OVERSEWN. STITCHES OF S-PUR FLAX</p> <p>CENTRAL SLIT ENDS IN OTHERWISE ONLY A SLIT, NO LEATHER REMOVED.</p> <p>SEWN SIDE IS SIDE TO BE SEEN.</p> <p style="text-align: right;">NOT DRAWN</p> |                                                    |                                         |                                  |
| In Faculty of Oriental Studies                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                         |                                  |



QI 80.2.4/74 (cam-3560). Overview. Scale bar is 50 mm. EES/British Museum, London.



QI 80.2.4/74 (cam-3560). Details of the stitching (inner and outer views). Scale bar is 10 mm. EES/British Museum, London.



## CAT. NO. 88[C]

|                         |                                                                |                                  |                    |
|-------------------------|----------------------------------------------------------------|----------------------------------|--------------------|
| DATE<br>80.2.14         | UNIT SOUTH RAMPART STREET<br>SECTION E<br>LEVEL 3C             | FRAGMENT OF<br>SHOE              | REG NO.<br>80/1017 |
| EXC NO.<br>144          | DATE OF LEVEL R1-334-A                                         | DATE OF OBJECT                   |                    |
| PHOTO Nos<br>80F100/8,9 | SIZE<br>WIDTH c 15 cms<br><del>LENGTH</del> c 12 cms<br>HEIGHT | MATERIALS<br>LEATHER (ALSO FLAX) |                    |

REAR PART OF SHOE UPPER FROM SHOE OF TYPE OF 80.1.23/64.-/63.  
STILL SUPPLE, BUT MUCH CRUMPLED.

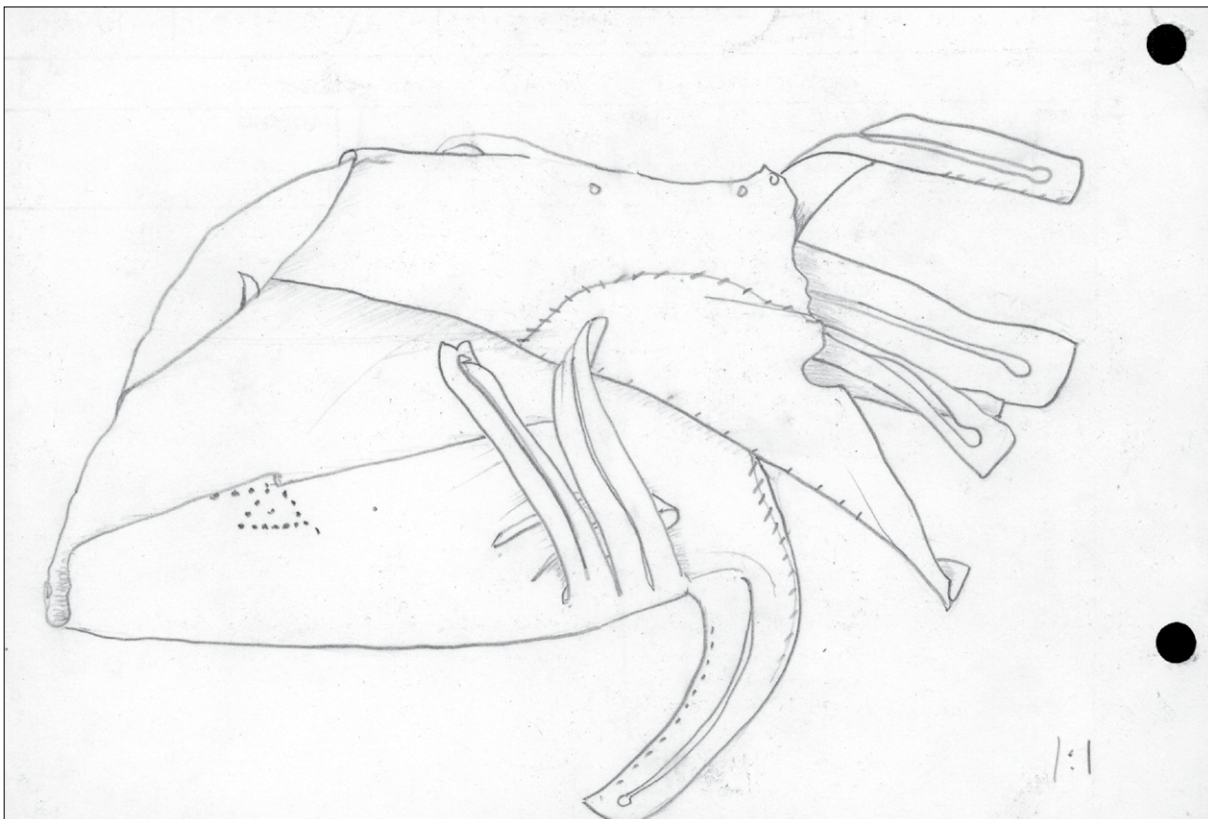
FOR THE MOST PART, A SINGLE THICKNESS. THE BOTTOM IS MOSTLY TORN, BUT AT ONE END A FEW STITCH-HOLES AND STITCH FRAGMENT OF FLAX. ABOVE THE PRESENT 12 CMS IS PRACTICALLY ALL THERE WAS.

LEFT EDGE ORIGINAL, RIGHT IS TORN OFF.

EACH SIDE RETAINS ALL THE 5 ORIGINAL TIE PROTECTIONS. THESE ARE FLAT, SHADE-GUIDED, WITH SLITS ENDING IN CIRCULAR CUT-OUTS. AS USUAL, THEY ARE REINFORCED BY A SECOND THICKNESS ON THE INSIDE. THE LEFT REINFORCEMENT STARTS 3 CMS IN FROM THE END OF THE TOP TIE (WHOSE LENGTH IS c 5 CMS), AND THE SINGLE PIECE COVERS ALL TIES, CURVING ROUND TO BELOW THE BOTTOM ONE BUT NOT GOING DOWN TO THE SOLE. AT THE BOTTOM TEN UP THIS ARE A LOT OF LITTLE STITCH-HOLES, SO DAMAGE IS NOT REINFORCED HERE WITH A ROUNDER.

RIGHT SIDE VIRTUALLY IDENTICAL, BUT NO COMPLEX STITCH-HOLE PATTERN.  
SEWING OF THE 2 THICKNESSES IS WITH TINY STITCHES OF 2-PLY FLAX MOSTLY THESE RUN UP TO THE EDGE BUT DO NOT SHOW OUTSIDE

*In Family of Oriental Slippers*

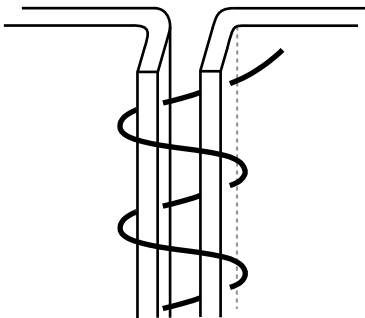




CAT. NO. 88[C] - CONTINUE -



QI 80.2.14/144 (cam-3590). Overviews. Scale bar is 50 mm. EES/British Museum, London.



QI 80.2.14/144 (cam-3590). Top & bottom: Details of the stitching with diagram. Scale bars are 10 mm. EES/British Museum, London.

## CAT. NO. 89[C]

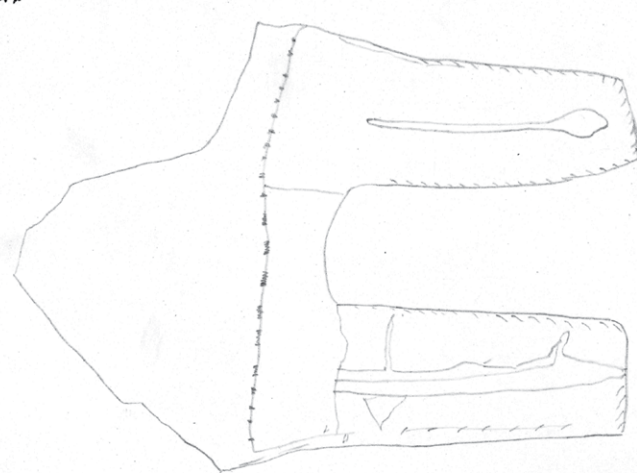
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |                                                                                                                           |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| DATE<br>80.2.16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UNIT SOUTH RAMPART STREET<br>LEVEL 4 | FRAGMENTS OF<br>SHOES                                                                                                     | REG. NO. ABCD<br>80/1053    |
| Exc No. 115                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DATE OF LEVEL R1-334-A               | DATE OF OBJECT                                                                                                            |                             |
| PHOTO Nos<br>(A)(B)(C)(D) 80F101/14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      | SIZE<br>(A) L 7 x 7 cms.<br>(B) LENGTH 14.4 cms<br>WIDTH 7.4 cms<br>(C) 6.2 x 5.0 cms<br>LENGTH 11.5 cms<br>WIDTH 7.5 cms | MATERIALS<br>LEATHER (LATE) |
| <p>(A) VERY BRITTLE. SET OF 3 SURVIVING PLAT TIES FROM SHOE AT 80.1.23/63. TWO HAVE BROKEN OFF ENDS. INTACT SURVIVOR IS 6 cms LONG, SQUARE ENDS, 9 GND OF SLIT (cf FOR SAMPLE 80.2.14/144). [TOTAL LENGTH OF THIS SLIT 1.8 cms; OTHER 2 NORMAL]. AS USUAL, 2 THICKNESSES, TINY STITCHES (FLAX?) ALONG EDGES, TWO DETACHED TO BE SURE OF FLAX.</p> <p>(B) STOUT LEATHER THICKNESS. HALF OF SOLE. (PROBABLY REAR OF UPPER SOLE). LEATHER STITCHES AROUND EDGES AND UP CENTRE, GO RIGHT THROUGH.</p> <p>(C) FRAGMENT, PROBABLY OF SOLE (HEEL GND?) WITH LEATHER STITCHES AROUND AND AROUND.</p> <p>(D) PORTION FROM EDGE OF CENTRE OF SOLE (THICK?) ONE STOUT THICKNESS. AROUND GOOSE HOLES IN THICKNESS (? LOWER) AND STITCHES OF ? LEATHER</p> |                                      |                                                                                                                           |                             |
| (A)(B)(C)(D) In facsimile of Original Photos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |                                                                                                                           |                             |



QI 80.2.16/115A (cam-3628). Overviews (inner and outer views). Scale bar is 50 mm. EES/British Museum, London.

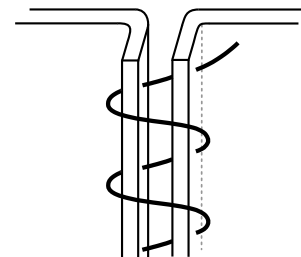


CAT. NO. 90[C]

|                                                                                                                                                                                                                                                                                                                            |                 |                      |  |                     |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|--|---------------------|---------------------|
| DATE<br><br>80.2.28                                                                                                                                                                                                                                                                                                        | SITE            | SOUTH RAMPART STREET |  | FRAGMENT OF<br>SHOE | REG No.<br>80/1053  |
|                                                                                                                                                                                                                                                                                                                            | GRID NO.        | SECTION B            |  |                     |                     |
|                                                                                                                                                                                                                                                                                                                            | LEVEL           | 4                    |  |                     |                     |
|                                                                                                                                                                                                                                                                                                                            | DATING OF LEVEL |                      |  |                     |                     |
| EXC. No. 96                                                                                                                                                                                                                                                                                                                | DATE OF OBJECT  | R1-334-A             |  | MATERIALS           | LEATHER (ALSO FLAX) |
|                                                                                                                                                                                                                                                                                                                            | PHOTO Nos.      | 80f98/18             |  | SIZE                | 10.5 x 7.8 cms      |
| <p>PART OF UPPER OF SHOE; TYPE OF 80.1.23/64, etc.<br/> TWO TIE PROTECTIONS (1RD BETWEEN THEM LOST?).<br/> TWO LEATHER THICKENERS, SEWN WITH SMALL STITCHES<br/> OF 5-PLY FLAX<br/> FRAGILE.</p>  <p>In Faculty of Oriental Studies</p> |                 |                      |  |                     |                     |



QI 80.2.28/96 (cam-3568). Overviews (outer and inner views).  
Scale bar is 50 mm. EES/British Museum, London.



QI 80.2.28/96 (cam-3568). Detail of the stitching, with diagram (above). Scale bar is 10 mm. EES/British Museum, London.



## CAT. NO. 91

|                                                  |                                                         |                         |                     |
|--------------------------------------------------|---------------------------------------------------------|-------------------------|---------------------|
| DATE<br>80.1.23                                  | UNIT SOUTH RAMPART STREET<br>LEVEL 2B LOWER COBBLE FILL | SANDAL                  | REG. NO.<br>80/1017 |
| EXC. NO.<br>66                                   | DATE OF LEVEL<br>R2-334-A                               | DATE OF OBJECT<br>ROMAN |                     |
| PHOTO NOS<br>80F 14/21-22<br>Detail 80F 16/24-26 | SIZE<br>LENGTH 22.5 CMS (BEWT)<br>WIDTH 9.5 CMS (SOLE)  | MATERIALS<br>LEATHER    |                     |

80F 14/21 22/23 16/24 25 26

SANDAL FOR RIGHT FOOT, ESSENTIALLY COMPLETE. VERY SIMILAR TO 78.3.12/44, OF WHICH ONLY THE BACK SURVIVED, DIFFERING IN POINTS OF DETAIL, ESPECIALLY IN HAVING ONE TIE LEFT, RUNNING HORIZONTALLY.

2 THICKNESSES OF LEATHER SOLE, OF WHICH THE LOWER IS MADE IN ONE PIECE WITH THE "UPPER" (TIES).

THE UPPER SOLE IS SHAPED TO THE FOOT, MAX. WIDTH APPROX. 9.4 CMS, MIN. APPROX. 7.6 CMS, LENGTH BEFORE BECOMING BENT PROBABLY c 23 CMS. A SINGLE ROW OF LEATHER STITCHES RUNS RIGHT AROUND THE EDGE. THERE ARE c 0.3 CMS WIDE, 1.0 - 1.5 CMS LONG ON TOP. THEY COME THROUGH TO THE UNDERSIDE, MUCH SMALLER, WHERE MOST ARE LOST. THERE IS A SIMILAR ROW DOWN THE CENTRE, EXCLUDING REAR 6 CMS.

THE CENTRAL AREA OF THE LOWER SOLE IS LOST. THERE ARE MANY HOLES IN THE REMAINDER, MOST PROBABLY FOR NAILWAYS THOUGH LEATHER STITCHES DO PROBABLY FORM A CENTRAL STITCH ROW.


FROM 3, FOR UNCLEAR PURPOSES, ARRANGEMENT IS AS SHOWN.

APART FROM UPPER SOLE, WHOLE SANDAL IS OF ONE PIECE OF LEATHER. THE BACK APPROX 9.2 CMS HIGH,

IS THE PLACE WHERE IT JOINS, BEING LEATHER SEWN SEAM WIDTH c 0.4 CMS

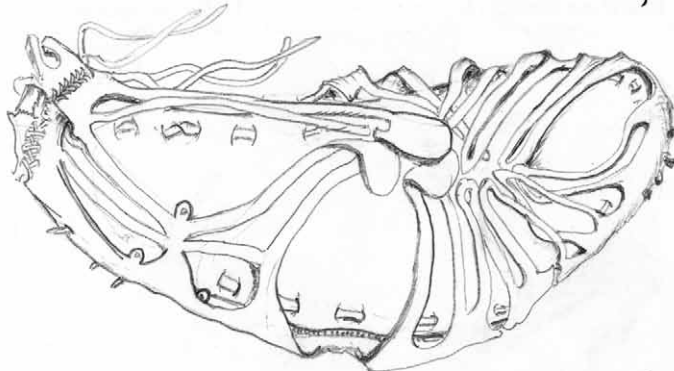
THE LOWER PART HAS SPLIT AND BEEN ROUGHLY STITCHED SIMILARLY.

FROM THIS HAVE BEEN CUT THE TIES. ON EACH SIDE THE UPPERMOST IS FLIMSY - IN BOTH CASES THE END IS LOST SO FORM IS UNCERTAIN. BELOW THIS ON EACH SIDE ONE TIE, THEN ANOTHER FROM A COMPLEX SUPPORT (cf 78.3.12/44), THEN 5 ON THE RIGHT, 4 ON THE LEFT, ALL OF SLIGHTLY DIFFERENT SHAPE. SECTIONS ARE OVAL, ENDS SPADE-SHAPED AND FLAT, AND ALL COME

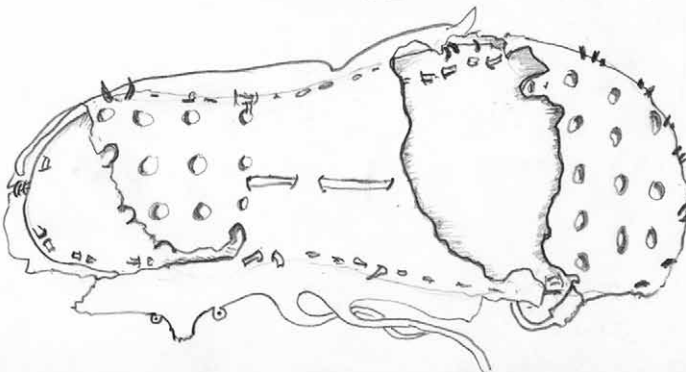


TOGETHER AT A POINT c 7 CMS FROM THE TDE, WHERE DOUBTLESS THEY WERE GATHERED BY A SEPARATE THREAD\*, OR EVEN POSSIBLY BY THE FLIMSY TOPMOST TIE. \* CONFIRMED NOW BY 80.1.27/46A, 9.v.

THE REAR STITCHING IS NOTICEABLY ~~THE~~ LESS ELEGANT THAN THE BEAUTIFUL FRAGMENT 78.3.21/46A AND 78.3.12/44. REMAINS OF A SMALL LEATHER-SEWN PATCH ON RIGHT SIDE, ON BROADEST PART OF UPPER.



1/2:1



CAT. NO. 91 - CONTINUE -



CM 11968. Overviews (ventral and dorsal views). Scale bar is 50 mm. Coptic Museum, Cairo.



## CAT. NO. 92[C]

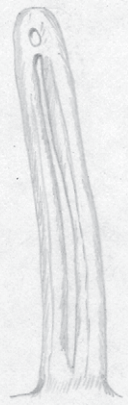
|                        |                                                                                               |                                  |                     |
|------------------------|-----------------------------------------------------------------------------------------------|----------------------------------|---------------------|
| DATE<br>80.1.20        | UNIT <u>SOUTH RAHART STREET</u><br>SECTION <u>C</u><br>LEVEL <u>2</u> <u>COBBLESTONE FILL</u> | FRAGMENT OF<br>SANDAL            | REG. No.<br>80/1053 |
| Exc No. 84             | DATE OF LEVEL R2-334-A                                                                        | DATE OF OBJECT                   | ROMAN               |
| PHOTO Nos<br>80f7/9-10 | SIZE &<br>LENGTH 13.0 CMS<br>WIDTH (A) 10.5 CMS                                               | MATERIALS<br>LEATHER (ALSO FLAX) |                     |

FRONT PART OF ROMAN MILITARY SANDAL SOLE  
of 78.3.12/44, AND OTHERS IN 1978

CONSISTS OF UPPER THICKNESS OF SOLE, WHICH  
TURNED UP APPROX. 0.7 CMS TO FORM THE  
LOWEST PART OF THE UPPER (SHORT KNIFE-  
CUTS TO FACILITATE THE UPTURN ARE VISIBLE  
ON EXTERIOR) FROM THIS SPRANG TIES, ALL OF  
A PIECE WITH THE REMAINDER, OF WHICH IN  
THIS EXAMPLE 2 COMPLETE ONES REMAIN AND  
TWO DAMAGED ONES, ONE OF WHICH IS DETACHED.  
THE 2 COMPLETE ONES ARE BOTH ON ONE SIDE  
AND ARE THE ONE CLOSEST TO THE TOE-END \*  
(3.5 CMS FROM IT) AND PROBABLY THE THIRD (4.5  
CMS FURTHER ON). BETWEEN THEM A ROUGHNESS  
PROBABLY MARKS A LOST SECOND TIE. THEIR  
LENGTHS ARE RESPECTIVELY 6.5 AND 5.5 CMS.

ALL AROUND EDGE OF SOLE ARE STITCHES OF  
2-SPUN, S-PLY <sup>FLAX</sup> / ALL BROKEN BELOW PROVING THEY  
ATTACHED A SECOND, LOWER, SOLE (WHICH WAS  
PRESUMABLY HORNAILED). STITCHES ARE c. 1.0-  
1.5 CMS LONG.

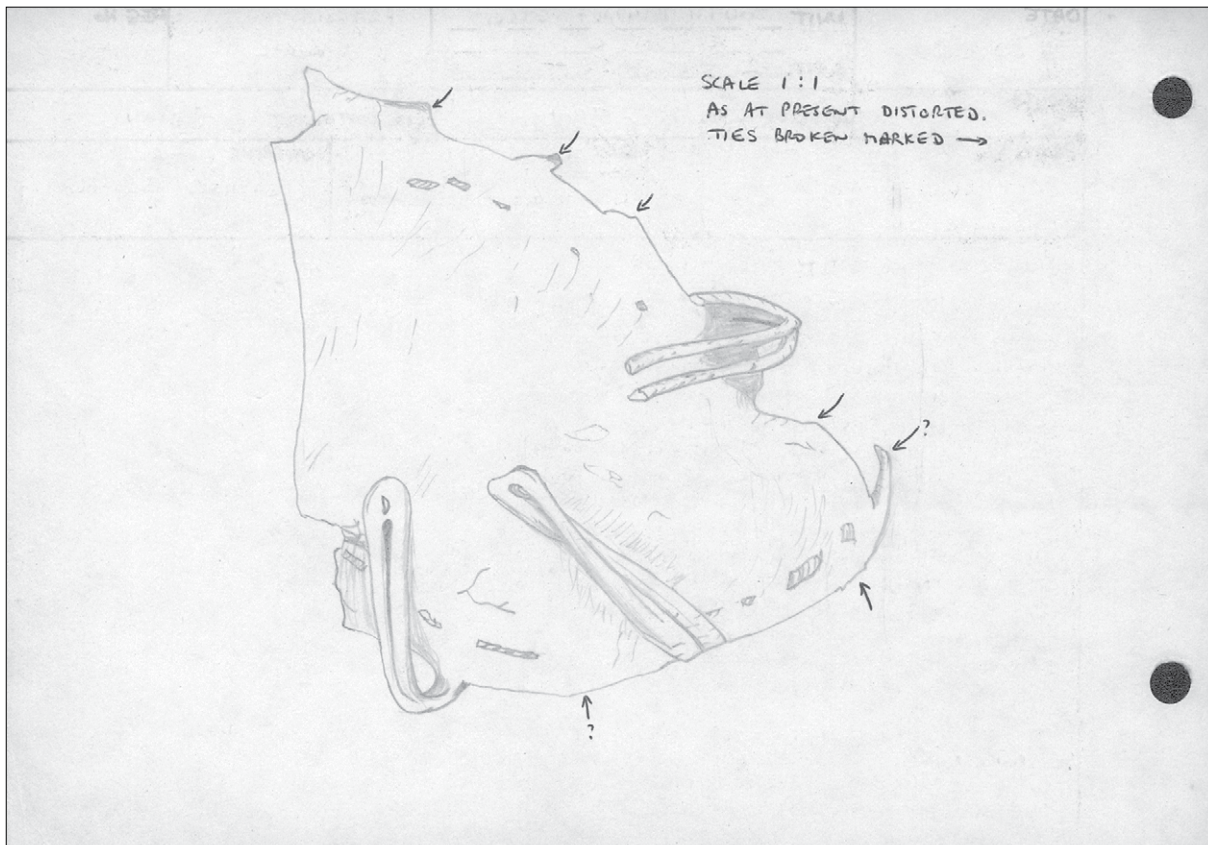
DETAIL OF TIE 1:1



In Faculty of Oriental Studies

\*ANOTHER STUMP  
CLOSED LATER NOTICED.

P.T.O.



CAT. NO. 92[C] - CONTINUE -



QI 80.1.20/84 (cam-3635). Overviews (outer and inner views). Scale bar is 50 mm. EES/British Museum, London.



## CAT. NO. 93[C]

|                                                 |                                                                                                                                 |                                          |                                |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------|
| DATE<br>80.1.27                                 | UNIT SOUTH RAMPART STREET<br>LEVEL 2B LOWER COBBLE FILL                                                                         | FRAGMENTS<br>OF <del>SANDAL</del> SANDAL | REG. NO.<br>A 1018<br>BCD 1053 |
| Exc No. 46                                      | DATE OF LEVEL R2-334-A                                                                                                          | DATE OF OBJECT                           | ROMAN                          |
| PHOTO Nos (A) 80F 16<br>(B) " 19.20<br>(C) " 18 | SIZE<br>(A) LENGTH 9.5cms WIDTH 13.0 cms<br>(B) LENGTH 18.0 " 11.0 -<br>(C) " 8.0 " 0.9 -<br>(D) " 9.2 " 80.1.27/46A 80.1.23/66 | MATERIALS<br>LEATHER (ALSO FLAX)         |                                |

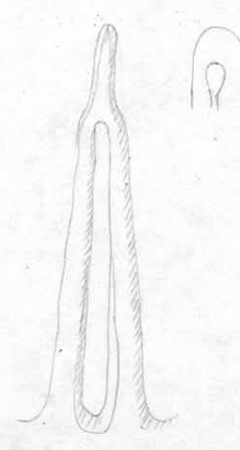
FOUR SANDAL FRAGMENTS, ALMOST CERTAINLY OF ONE SHOE - (A) AND (B) APPEAR JUST TO JOIN AT THEIR EXTREMITIES.

SANDAL IS THE TYPE OF 80.1.23/66, 1.v.

(A) CLOSELY RESEMBLES 80.1.23/66, BEING THE FRONT PART, LOWER SOLE THICKNESS INTEGRAL WITH UPPERS, THE ARRANGEMENT OF THE TIES, OF WHICH 2 ON THE RIGHT SURVIVE INTACT AND 3 ON THE LEFT ALL BROKEN, IS THE SAME. HOWEVER, THE TIES ARE MUCH MORE POINTED, THE HOLE IS FURTHER FROM THE END AND ITSELF SHAPED LESS LIKE A KEYHOLE.

LEATHER STRANDS 0.25 cms WIDE LINK TWO TIES ON THE RIGHT, AND SURVIVE IN TWO SEPARATE TIES ON THE LEFT. ALL THREE ARE KNOTTED AND SO CLOSELY RESEMBLE THE THIN TIE AT THE TOP OF 80.1.23/66 AS TO CONFIRM THE SPECULATION THERE EXPRESSED THAT THIS WAS THE MEANS OF GATHERING ALL TIES TOGETHER (ONE TIE LATER BECAME DETACHED).

THERE APPEAR TO BE 4 STUD-HOLES IN LINE ACROSS THE SOLE 6.6 cms FROM FRONT, AND PAIRS OF CENTRAL ~~DOUBLE~~ HOLES FOR STITCHING 2.5 AND 5.0 cms FROM TOE.



(A) TIE SCALE 1:1

(D) NOT DRAWN

P.T.O.

(B) CENTRAL AND REAR PART OF SOLE, MUCH DAMAGED. STITCH HOLES IN PAIRS IN CENTRE c 7.2 AND 4 cms FROM REAR - NOTE THAT THE CENTRAL STITCH-LINE DOES NOT OCCUR IN THE MIDDLE OF THE SHOE, THOUGH IT DOES IN 80.1.23/66

STITCH-HOLES ALSO ALONG THE SIDES, CONTAINING FRAGMENTS OF STITCHES OF FLAX

THE UPPER SOLE IS ENTIRELY LOST.

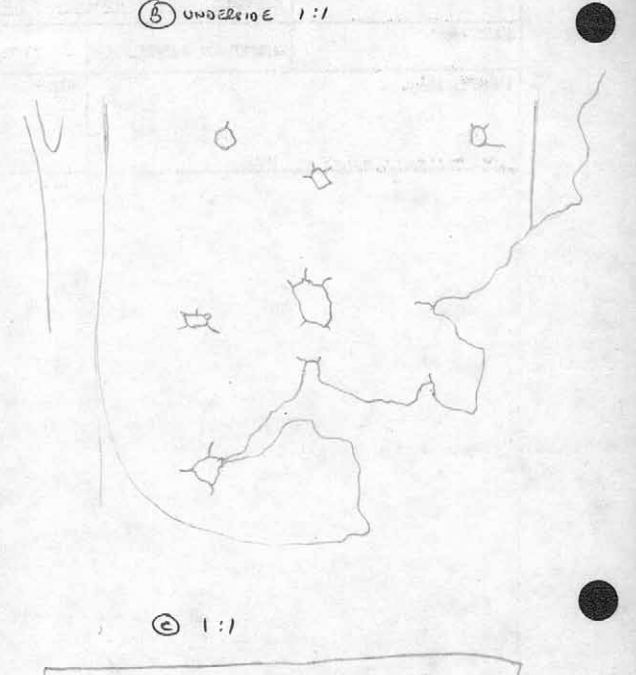
MOBAIL HOLES AS DRAWN.

SMALL PIECE OF REAR SURVIVES, BEING THE END OF THE RIGHT-HAND PIECE, AND PART OF THE COVERING STRIP WHICH WENT OVER THE JOIN TO CONCEAL IT, AS IN 78.3.12/44, THOUGH NOT IN 80.1.23/66 WHICH IS LESS WELL MADE. THIS COVERING STRIP STOOD VERTICAL, IS 1.8 cms WIDE (ITS FULL ORIGINAL WIDTH) AND STANDS 12 cms HIGH, PROBABLY CLOSE TO FULL HEIGHT. IT IS SEWN WITH A NARROW LEATHER THREAD TO THE RIGHT UPPER, MUCH LESS NEATLY THAN 78.3.12/44. \*CONT. BELOW

(C) SQUARE-ENDED TIE FROM REAR END OF A SANDAL OF THIS TYPE, PROBABLY THE SAME ONE BUT NOT NECESSARILY. AGAIN NOTE LACK OF "KEYHOLE" CUT.

\* (D) NOTE ON LEFT SIDE, FAR LEFT OF SOLE, 4.5 TINY LEATHER STITCHES, THUS ON EXTERIOR, SCALE 1:1

STANDING UP INSIDE, ALSO OTHER TINY LEATHER STITCHES ON THAT EDGE. PRESUMABLY ADDITIONAL ATTACHMENT FOR THE UPPER SOLE.



(B) UNDERSIDE 1:1

(C) 1:1

(D) PROBABLY PART OF THE UPPER SOLE THICKNESS OF THIS SHOE, REAR END. TINY LEATHER STITCHES MATCH (B)

CAT. NO. 93[C] - CONTINUE -



QI 80.1.27/46A (*cam-3700*). Overviews (*dorsal and ventral views*). Scale bar is 50 mm. EES/British Museum, London.



QI 80.1.27/46B (*cam-3700*). Overviews (*outer and inner views*). Scale bar is 50 mm. EES/British Museum, London.



## CAT. NO. 94[C]

2229

|                      |                                                                                               |                                                           |                         |
|----------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------|
| DATE 78.3.12<br>TIME | SITE OUTSIDE SOUTH OF UNIT C2<br>GRID No SOUTH BASTION<br>LEVEL 13 AND 1C<br>DATING LCI-283-0 | FRAGMENT OF<br>BOOT                                       | 78/ REG No.<br>462 part |
|                      |                                                                                               | MATERIALS LEATHER (ALSO FLAX)                             |                         |
| EXC.No. 44           | PHOTO Nos. 78A97/30                                                                           | SIZE LENGTH 18.5 CMS<br>WIDTH 10.5 CMS<br>HEIGHT 12.5 CMS |                         |

REAR PART OF LEATHER BOOT. SPLENDIDLY MADE FROM A SINGLE SHEET OF LEATHER.

ALONG THE SIDES OF THE SOLE ONE ROW OF STITCH-HOLES, IN SOME OF WHICH ARE REMAINS OF STITCHES OF 2 PLY FLAX. MOST OF THE STITCHES DO NOT APPEAR ABOVE, SO PRESUMING THEY ATTACHED AN UNDERSOLE. FROM THE CENTRE, 4 CMS FROM THE BACK, RUNNING SOMEWHAT LEFT OF CENTRE, A ROW OF 5 HOLES c 2.2 CMS APART, REGULARLY SPACED, AND ANOTHER 2.2 CMS TO THE RIGHT OF THE ~~PRESENT~~ PRESERVED ONE. DIA. OF THESE HOLES c 0.5 CMS. THEY PROBABLY TOOK STUDS, WHICH WOULD HAVE LEFT THEIR HEAD-IMPRESSIONS ONLY ON THE UNDERSOLE.

TALL VERTICAL BACK MADE BY MAKING A CUT THUS:

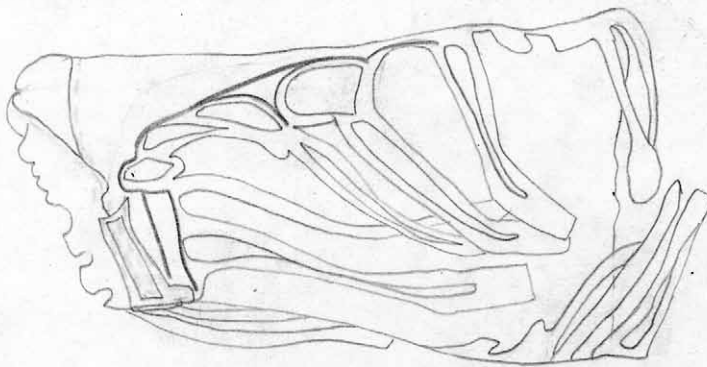
W IN THE LEATHER, BRINGING THE EDGES TOGETHER, ADDING A STRIP 2.2 CMS WIDE OUTSIDE THE JOIN (NOW PARTLY LOST) AND STITCHING WITH 5 PLY FLAX. FINALLY ANOTHER STRIP 0.6 CMS WIDE ADDED DOWN THE CENTRE OF THE UNDER ONE, AND AGAIN STITCHED, PRESUMABLY FOR DECORATIVE EFFECT. THE TOTAL WIDTH OF THE BACK PIECE IS c 4 CMS; TO LEFT AND RIGHT OF IT, SYMMETRICALLY, LARGE AREAS CUT OUT OF THE LEATHER TO LEAVE LONG LEATHER PROJECTIONS (LENGTH UP TO 13 CMS, ~~in beauty of shape & style~~ Transferred to BM 1989

THE LONGEST HAVING CROSS-LINKS LEFT BETWEEN THEM) WHICH HAVE DOUBLE STEMS OF ROUND SECTION, REMAINING IN A SPACE END 2.2 TO 3 CMS LONG. 4 OF THESE SURVIVE ON EACH SIDE AND THERE MAY HAVE BEEN NO OTHERS; A STUMP ON EACH SIDE MAY WELL BE COMPLETE, NOT A BREAK.

FORWARD OF THESE, ~~parts~~ <sup>projections</sup> OF A DIFFERENT SHAPE APPEAR, SIMILAR IN DESIGN BUT WITH OVAL ENDS, AND ONLY c 6 CMS LONG. ON THE RIGHT, 2 SURVIVE; ON THE LEFT, ONE.

2 DETACHED PROJECTIONS, ONE LONG AND SPADE-ENDED AND ONE SHORT AND SPADE-ENDED, MAY NOT BELONG TO THIS BOOT, OR MAY BELONG TO THE LOST FRONT PART.

Leather stained black.  
Evidence of tooling round the edge of the toes



—  
Tooling

CAT. NO. 94[C] - CONTINUE -



QI 78.3.12/44. Overviews (from top to bottom: ventral, medial(?), dorsal and lateral (?) views; left: back). Scale bar is 50 mm. Photographs by A. 't Hooft. British Museum, London.



CAT. NO. 95[C]

|      |              |                          |                                    |                             |
|------|--------------|--------------------------|------------------------------------|-----------------------------|
| 2793 | DATE 78.3.21 | SITE WEST RAMPART        | FRAGMENTS OF SANDAL (OR SHOE)      | (A) (B) REG No. 78/463 part |
|      | TIME         | GRID No. Below EC Houses | LEVEL LEVEL 0                      |                             |
|      |              | DATING M1-335-A          | MATERIALS LEATHER                  |                             |
|      | EXC. No. 46  | PHOTO Nos. 78A97/31-32   | SIZE (A) 16 x 4 cms (B) 25 x 6 cms |                             |

2 FRAGMENTS, PRESUMABLY FROM A PAIR OF SANDALS, ONE OF WHICH MAY BE 78.3.21/47.

(A) STRIP OF LEATHER THAT RAN UP BEHIND WEARER'S HEEL. THIS IS 10 CMS HIGH, 2 CMS WIDE. TWO PIECES OF LEATHER MAKE A VERTICAL BUTT JOIN ON THE OUTSIDE THEY ARE JOINED BY TINY LEATHER STITCHES THUS  $\nabla$  4-5 PER CM. ON INSIDE THERE SHOW  $\vdots$  3 TIES PROJECTED FROM EACH SIDE. THE CENTRE RIGHT ONE SURVIVES INTACT, c 11 CMS LONG,  $\square$  END. TOP LEFT BROKE IN BOTH ITS STEMS, BOTH REPAIRED, WITH ONE KNOT AND TWO KNOTS RESPECTIVELY. THESE TIE-PROTECTIONS, WHICH WENT AROUND SIDES OF ANKLE AND MUST HAVE BEEN PULLED TIGHT, WERE A WEAK POINT.

BOTTOM 2 CMS ARE ATTACHED, ON OUTSIDE, TO A LEATHER FRAGMENT 3 CMS HIGH. THE STITCHING, WITH LEATHER, IS QUITE CRUDE AND THE WHOLE OVERLIES 2 CMS OF THE DECORATIVE  $\nabla$  STITCHING. IT IS THEREFORE PRESUMABLY A REPAIR, THE WHOLE STRIP HAVING PULLED AWAY FROM THE REAR END OF THE SOLE OR UPPER. THE ORIGINAL JOIN WAS ALONG

(A) (B) ~~THE BOTTOM~~ In Facets of Original Studies

NOTE SMALL KNOTS OPPOSITE EACH OTHER 5 1/2 CMS FROM BOTTOM. THIS DECORATIVE FEATURE NOTED ON A CONTEMPORARY SHOE OR SANDAL EARLIER THIS SEASON.

(B) VIRTUALLY IDENTICAL. 10 CMS HIGH. PRESERVES THE LOWEST OF THE 3 TIE-PROTECTIONS, WHICH (A) DOES NOT, ALTHOUGH BROKEN IN ONE SIDE THE LOWEST ON LEFT CAN BE MEASURED AT c 15 CMS LONG. THE 2 STEMS START 3 CMS APART, THE LOWER BEING RIGHT AT THE BOTTOM, AS IT CAN NOW BE SEEN TO BE TRUE OF (A) ~~THE~~ A JUNCTION AT 3 CMS FOR STRENGTH

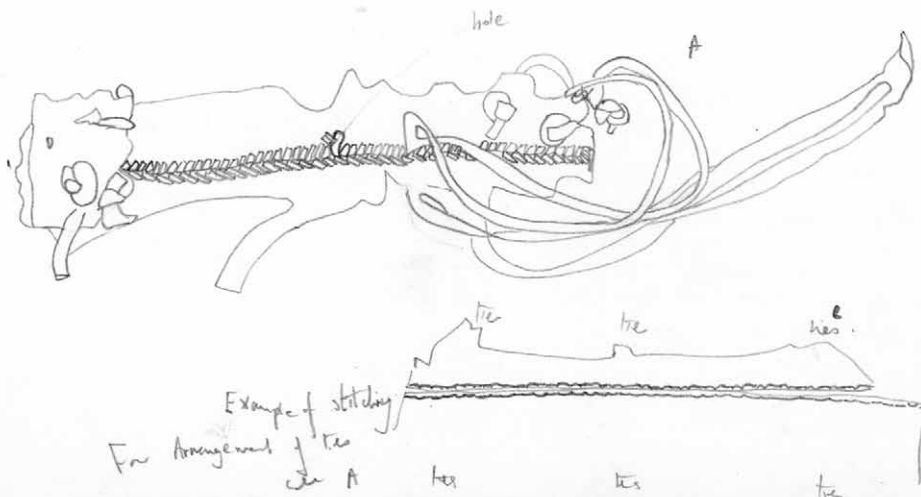
NOTE DECORATIVE KNOT AGAIN, AND DECORATIVE HOLE.

LOWEST ON RIGHT DIFFERS, THE 2 STEMS BEING ONLY 2 CMS APART THE LOWER ONE BROKE, BOTH BEFORE AND AFTER THE JUNCTION (WHICH INCIDENTALLY HAS NO HOLE) AND HAD BEEN RATHER CRUDELY REPAIRED. A LEATHER STRAND WAS KNOTTED IN PTD

TO REPLACE THE FIRST PART OF THE STEM, WAS KNOTTED ALSO TO THE BROKEN SECOND PART AND WAS THEN KNOTTED TO A ROUND PIECE OF LEATHER c 6 x 12 CMS THAT LOOKS LIKE PART OF A LEATHER SOLE! HERE IT COULD ONLY HAVE FUNCTIONED AS A TIE-PROTECTION, FOR WHICH IT IS QUITE UNSUITABLE.

CANNOT BE CERTAIN, BECAUSE OF DAMAGE, WHETHER ONE PIECE IS LEFT FOOT AND THE OTHER RIGHT FOOT.

Scale 1:1



CAT. NO. 95[C] - CONTINUE -



QI 78.3.21/46A (cam-3596). Overviews (inner and outer views). Scale bar is 50 mm. EES/British Museum, London.



QI 78.3.21/46A (cam-3596). Details of the back seam (inner and outer views). Scale bars are 10 mm. EES/British Museum, London.



CAT. NO. 95[C] - CONTINUE -

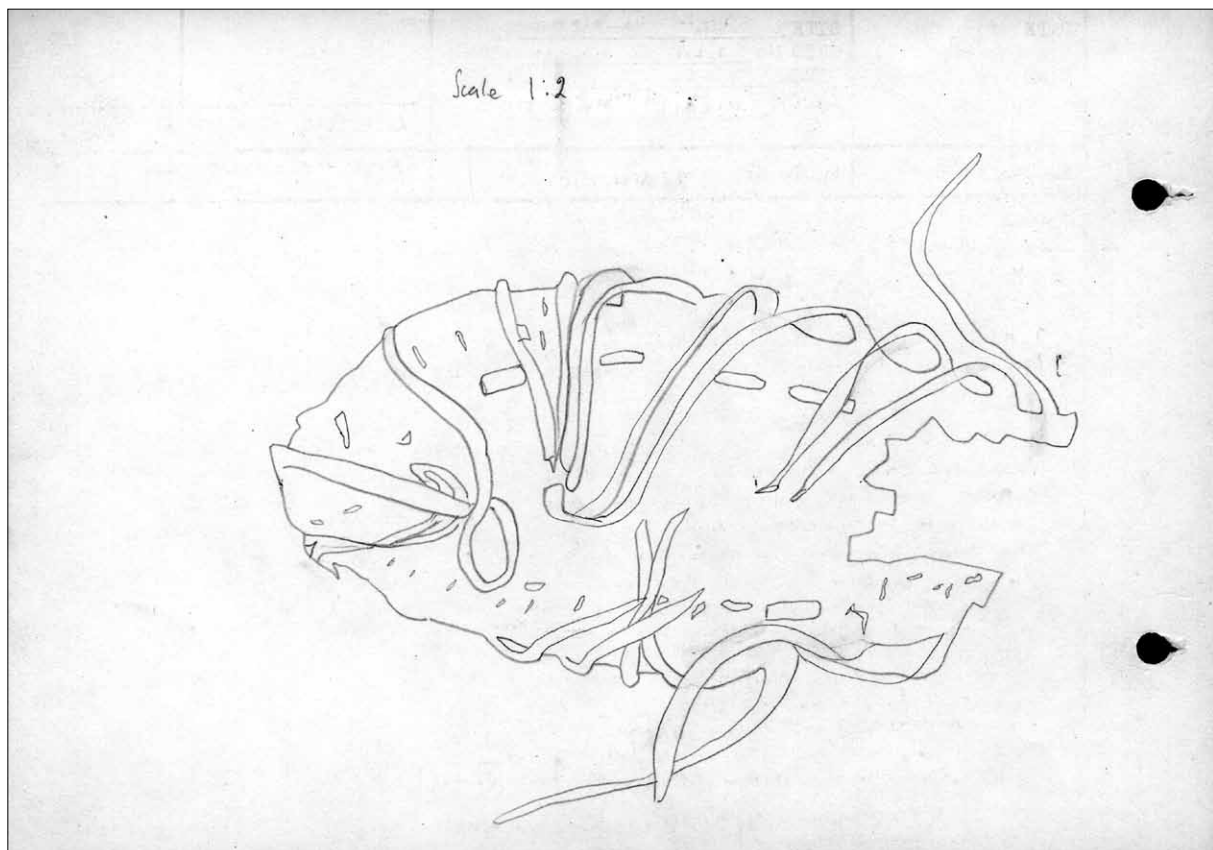


QI 78.3.21/46B (cam-3598). Overviews (outer and inner views). Scale bar is 50 mm. EES/British Museum, London.



CAT. NO. 96[C]

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                                                             |                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------|
| 2794 | DATE 78.3.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SITE WEST RAMPART                                            | SANDAL                                                      | 78/455 REG No. part |
|      | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | GRID No. BELOW EC HOUSES<br>LEVEL LEVEL 0<br>DATING M1-335-A |                                                             |                     |
|      | EXC.No. 47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PHOTO Nos. 78A46/8                                           | MATERIALS LEATHER                                           |                     |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              | SIZE LENGTH 18.4 cms (C 19 cms IF NOT BOUT)<br>WIDTH 11 cms |                     |
|      | <p>UPPER OF TWO THICKNESSES OF SANDAL SOLE. STITCH HOLES ALL AROUND, FOR ATTACHMENT TO LOWER SOLE. FRAGMENTS OF LEATHER STITCHES, WIDTH 0.4 cms, IN SEVERAL.</p> <p>7 HOLES IN CENTRE OF SOLE, ARRANGED 1,2,2,2, PRESUMABLY FROM HOBNAILS FIXED IN UNDERSOLE. ALL THESE IN FIRST 9 cms FROM FRONT.</p> <p>ALL AROUND SIDES ARE TIE-PROJECTIONS, 6 cms (FRONT) TO 10 cms (BACK) IN LENGTH. THESE ARE NOT SYMMETRICALLY ARRANGED, BUT REFLECT THE FACT THAT IT IS A RIGHT FOOT SANDAL. ALL ARE INTEGRAL WITH THE SOLE, I.E. THE USUAL PROFLIGATE USE OF LEATHER. FIRST PROJECTION ON RIGHT IS CLOSE TO FRONT, AND THE 2 PARTS ARE 2 cms APART. THERE IS THEN A 5 cms GAP TO THE NEXT ON THE RIGHT; <del>THESE</del> <sup>ATTACHMENT</sup> <del>THESE</del> THEN SURVIVE ON THE RIGHT. FIRST ON LEFT IS ALSO AT THE FRONT, 2 1/2 cms TO NEXT; <del>ALTOGETHER 6 1/2</del> <sup>ALTOGETHER 6 1/2</sup> SURVIVE ON THE LEFT. MANY ARE BROKEN. CONTEMPORARY ONES SHOW  ENDS, NOTE ONE OF THE LEFT ONES PULLED OFF AND WAS TIED ON. A RARE NEGOTIC / ROMAN REPAIR TOB. (*AND  ENDS)</p> <p>HOLE IN CENTRE REAR OF SURVIVING AREA, AND REAR END IS LOST.</p> <p>ANOTHER EXTRAVAGANT, ELEGANT SANDAL. SEE ALSO 78.3.21/46.</p> |                                                              |                                                             |                     |





CAT. NO. 96[C] - CONTINUE -



QI 78.3.21/47 (cam-3597). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.


CAT. NO. 97[C]

|                      |                                                                               |                                                         |
|----------------------|-------------------------------------------------------------------------------|---------------------------------------------------------|
| DATE 78.3.27<br>TIME | SITE SOUTH RAMPART ST.<br>GRID No SECTION A<br>LEVEL 3E-3F<br>DATING R1-334-A | FRAGMENT OF SHOE<br>78/461 part<br>REG No.              |
| EXC.No. 30           | PHOTO Nos. 78A97/28                                                           | MATERIALS LEATHER<br>SIZE LENGTH 18 cms<br>WIDTH 10 cms |


REAR PART, IN DAMAGED CONDITION,  
OF FORMERLY ELABORATE AND WELL-MADE  
HIGH SHOE OR BOOT.

OF 78.3.12/44 WHICH IT CLOSELY RESEMBLES.  
SOLE AND UPPIERS MADE IN A SINGLE LEATHER  
PIECE, BENT AROUND AND SEW UP THE BACK,  
WITH SMALL LEATHER STRIPES - A PRESUMED COVER-  
ING STRIP IS LOST; HEIGHT OF BACK c. 12 cms  
ORIGINALY.

LARGE PARTS OF THE UPPIERS CUT AWAY, TO LEAVE  
LONG TIE PROTECTIONS, FORM



THE UPPERMOST 1 1/2 OF THESE SPRANG FROM THE VERTICAL  
BACK. THE UPPER ONE SPRANG FROM THE TIP AND 2 1/2 cms  
BELOW; THE LOWER ONE 2 1/2 cms LONGER STILL, THEN AT  
AN ANGLE FROM THE HORIZONTAL PART OF THE UPPER



NOT TO SCALE

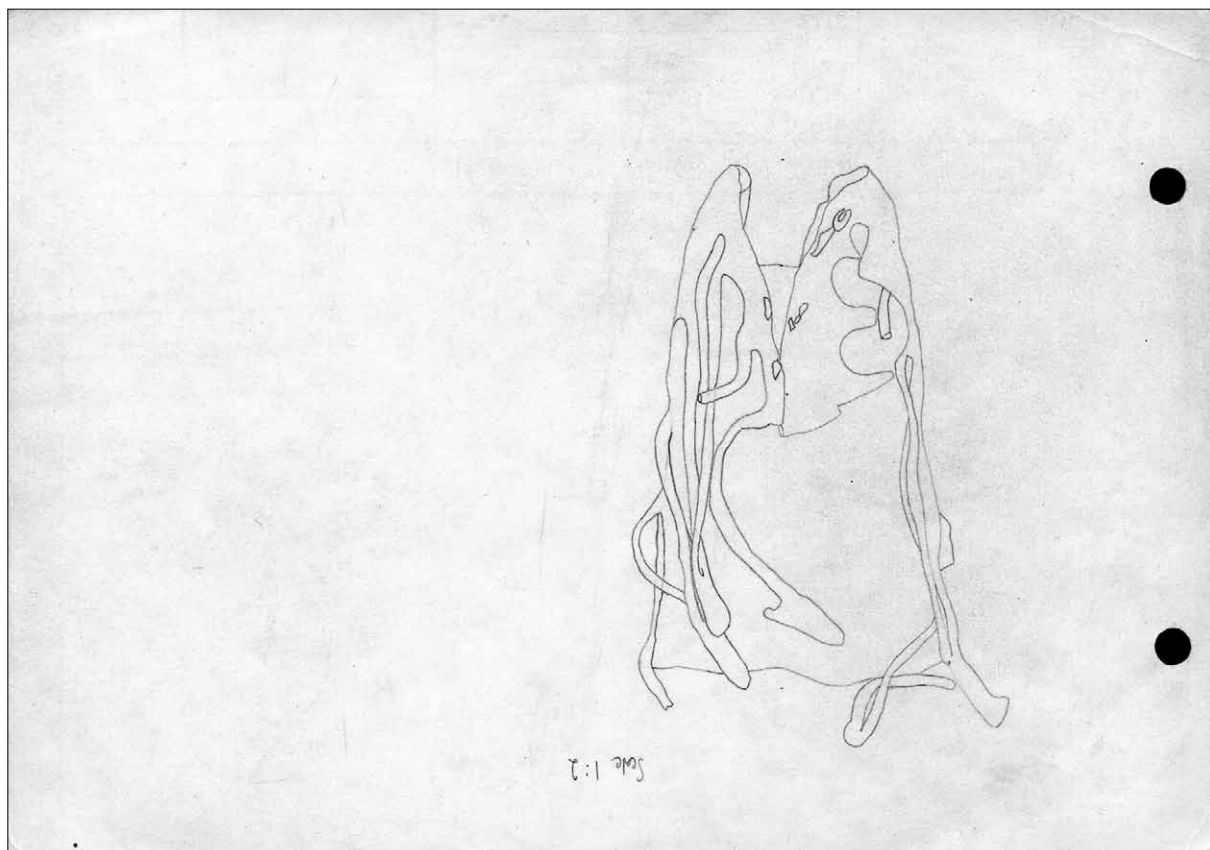
2 1/2 MORE THEN SPRANG FROM  
THE HORIZONTAL, FURTHER  
FORWARD. THE LONGEST OF  
ALL THREE, 2ND FROM TIP, IS  
15 cms LONG.  
LEFT SHOE DITTO, WORK  
PRESERVED.

UNUSUALLY FOR THESE SHOES. A  
LARGE PATCH HAS BEEN ADDED TO  
THE SOLE; LENGTH c. 16 x 9 cms,  
RECONSTRUCTED FROM BELOW SOLE  
WITH ROUGH LEATHER STRIPES  
ALL AROUND.

SMALL FRAGMENT OF TIE  
DETACHED.

See over.

In Faculty of Oriental Studies




## CAT. NO. 98[C]

|             |                      |                                                                              |                     |                        |
|-------------|----------------------|------------------------------------------------------------------------------|---------------------|------------------------|
| 2918        | DATE 78.3.26<br>TIME | SITE SOUTH RAMPART ST<br>GRID No SECTION A<br>LEVEL 3B-3C<br>DATING R1-334-A | FRAGMENT<br>OF SHOE | 78/463 REG No.<br>PART |
| EXC. No. 26 | PHOTO Nos. 78A97/29  | MATERIALS LEATHER                                                            |                     |                        |
|             |                      | SIZE HEIGHT 11.3 cms<br>WIDTH 11.0 cms                                       |                     |                        |

FRAGMENT FROM REAR UPPER OF SHOE.

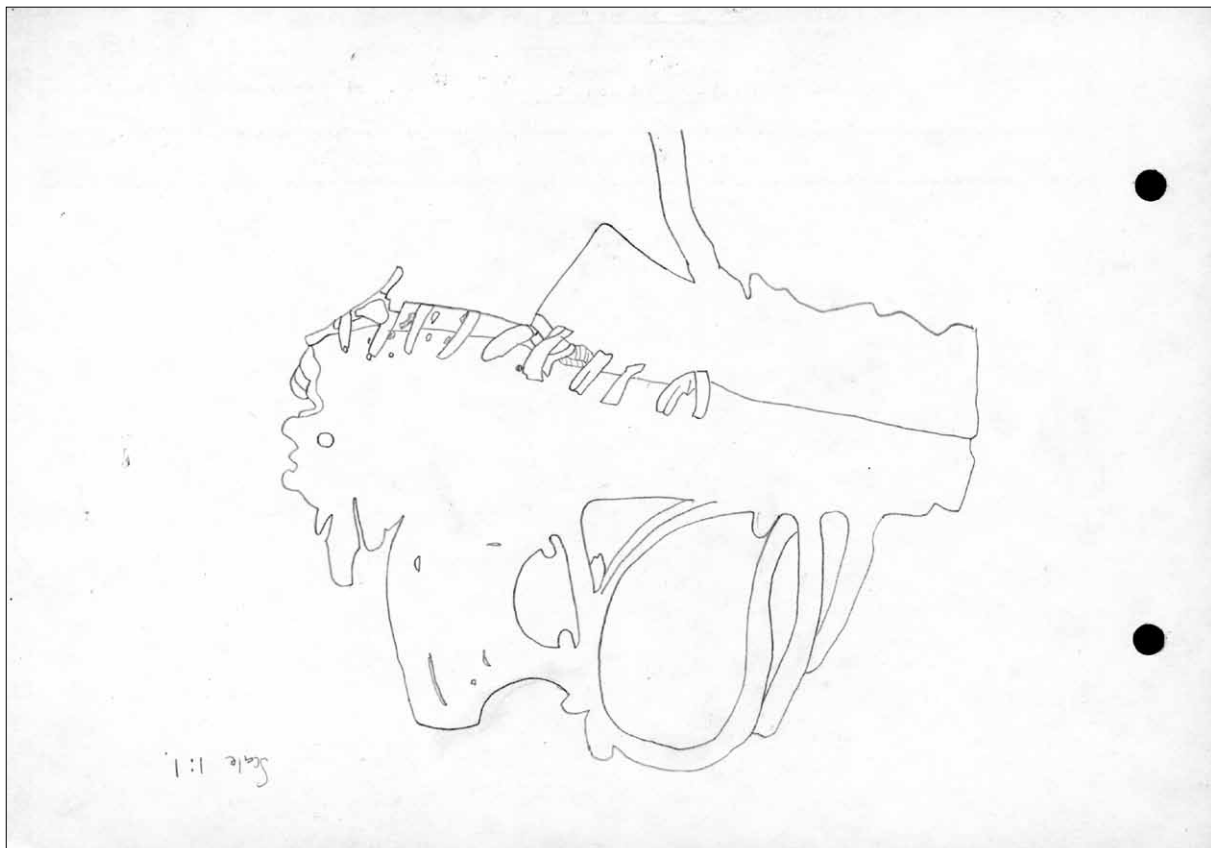
COMPRISES SMALL PART OF LEFT UPPER AND RATHER LARGER PART OF RIGHT UPPER. THESE MEET AT A VERTICAL JOIN AND ARE SEWN TOGETHER - ORIGINAL STITCHES ARE TINY AND DO NOT SHOW, THE LEATHER BEING TURNED OVER ON THE (PRESUMED) INSIDE. THERE IS ALSO A REPAIR 6.5 cms LONG - APPARENTLY THE SECOND, SINCE BROKEN FRAGMENT OF COARSE LEATHER STITCHES SHOW - OF LARGE, COARSE LEATHER STITCHES, WHITE IN COLOUR.

PART OF THE UPPER, PRESUMABLY THE LOWER PART, IS FAIRLY SOLID, BUT THE HIGHER PART HAS THE CHARACTERISTIC CUT-OUTS OF THE PERIOD, ALL (AS USUAL) CUT FROM ONE SHEET AND NOT ADDED, ONE COMPLETE THOUGH BROKEN TIE-PROTECTION SURVIVES, SHAPE-ENDED  AND ABOUT 11 cms IN LENGTH.

NOTE PLUG 4 OF THE CHARACTERISTIC DECORATIVE KNOTS OF THE PERIOD.

See over

In Faculty of Oriental Studies





CAT. NO. 98[C] - CONTINUE -

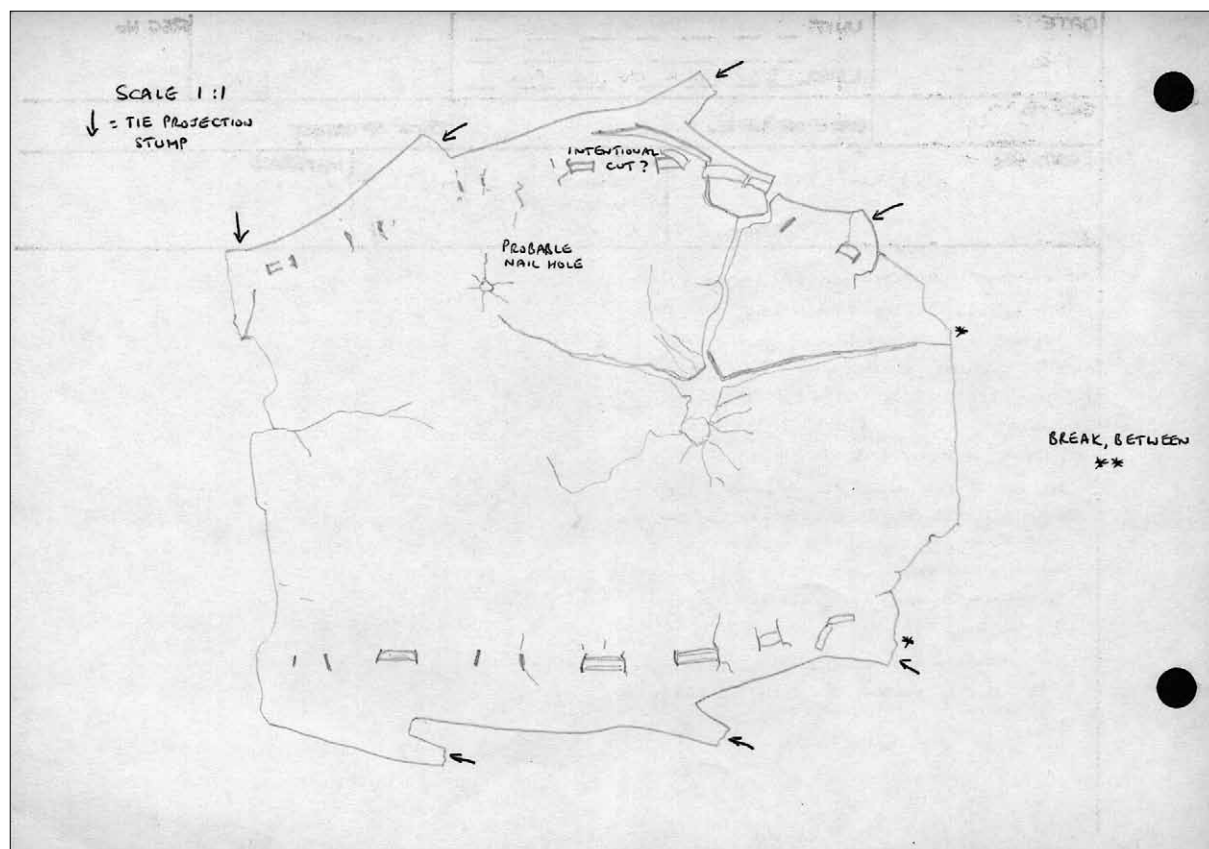


QI 78.3.26/26 (cam-3600). Overviews (inner and outer views). Scale bar is 50 mm. EES/British Museum, London.



## CAT. NO. 99[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                       |                       |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------|---------------------|
| DATE<br>80.1.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | UNIT <u>SOUTH RAMPART STREET</u><br>LEVEL <u>2B LOWER COBBLE FILL</u> | FRAGMENT OF<br>SANDAL | REG. No.<br>80/1053 |
| Exc No. 59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DATE OF LEVEL <u>R2-334-A</u>                                         | DATE OF OBJECT        |                     |
| PHOTO Nos<br>80F14/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SIZE<br>LENGTH 12.0 cms<br>WIDTH 11.0 "<br>THICKNESS 0.1 - 0.3 "      | MATERIALS<br>LEATHER  |                     |
| <p>FRAGMENT OF SANDAL SOLE, PROBABLY THE UPPER OF TWO THICKNESSES.</p> <p>SERIES OF TIE PROJECTIONS ALONG THE SIDES, STUMPS ONLY, LINKS THIS TO THE TYPE OF 78.3.21/47, WHICH IT CLOSELY RESEMBLES. PROBABLY THE END, THOUGH ENTIRETY IS LOST.</p> <p>ROW OF STITCH HOLES ALL AROUND SIDES, WITH LEATHER STITCHES SURVIVING, OFTEN INTACT IN (PRESUMED) UPPER SURFACE, ALL BROKEN ON OTHER SURFACE. AT ONE POINT, ADDITIONAL (LATER?) STITCHES OF CINEW ALONGSIDE.</p> <p>ONE HOLE LOOKS VERY LIKE A NAIL HOLE.</p> <p>ONE "SPLIT" PROBABLY A DELIBERATE CUT (WHY?)</p> <p style="text-align: right;">DRAWING OVERLEAF</p> <p style="text-align: center;">In Faculty of Oriental Studies</p> |                                                                       |                       |                     |



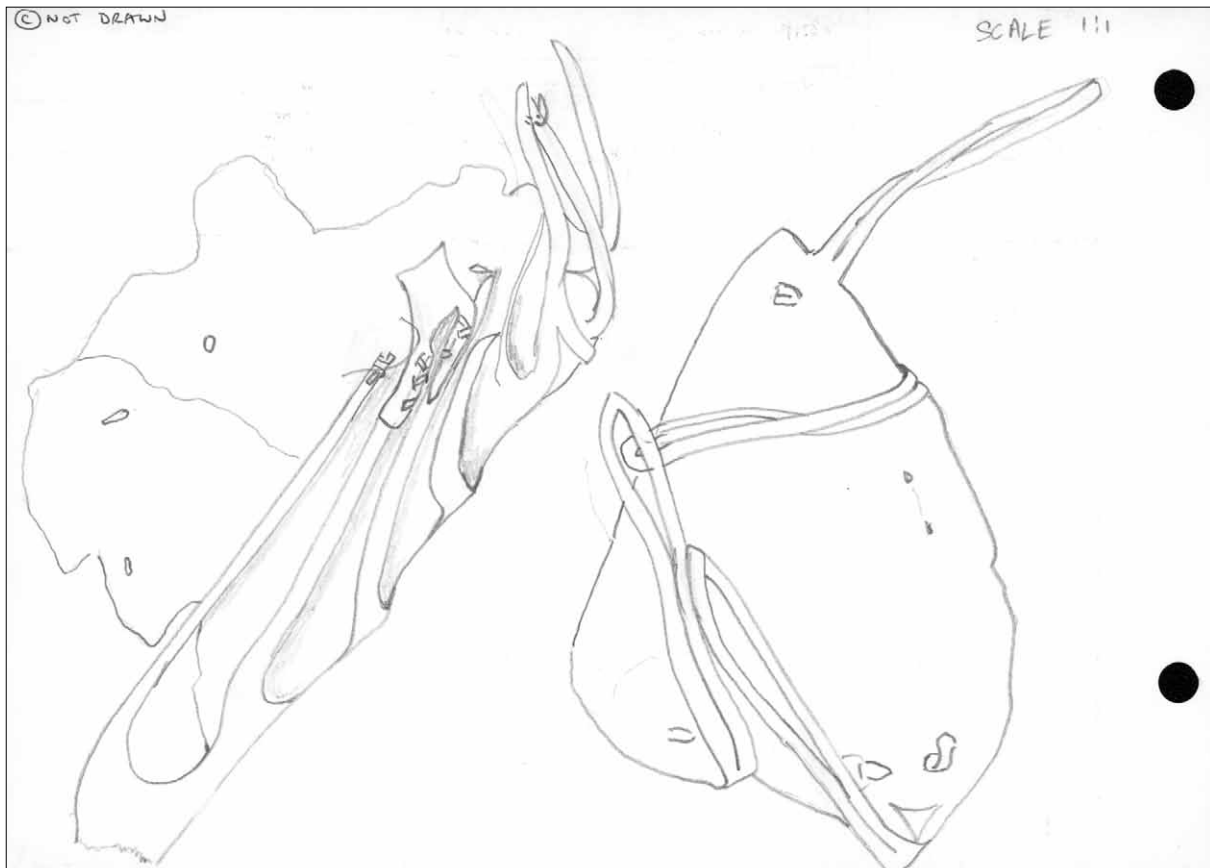
CAT. NO. 99[C] - CONTINUE -



QI 80.1.23/59 (cam-3691). Overviews (outer and inner views). Scale bar is 50 mm. EES/British Museum, London.

## CAT. NO. 100[C]

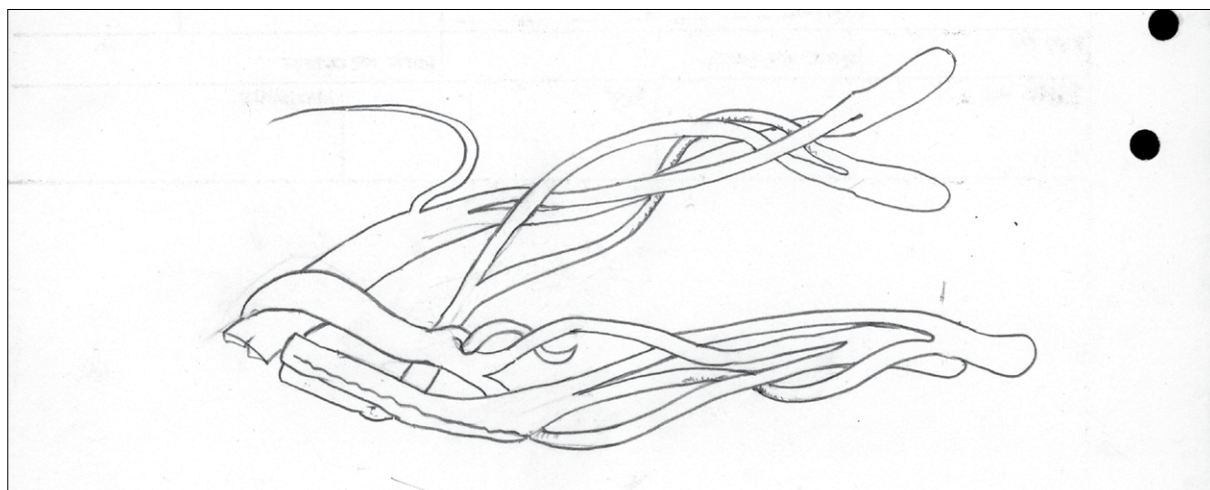
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                                                                             |                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------|
| DATE<br>80.1.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNIT <u>SOUTH RAMPART STREET</u><br>LEVEL <u>3A</u> | FRAGMENTS OF<br>SANDALS                                                                     | REG. No. <u>(A)(B)(C)</u><br>80/1053            |
| Exc. No. 79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DATE OF LEVEL <u>R1: 334-A</u>                      | DATE OF OBJECT                                                                              |                                                 |
| PHOTO Nos<br><u>(A)(B)(C) 80f 26/21</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     | SIZE<br>④ LENGTH 7.4 cms<br>WIDTH (EXC. TIES) 9.5 cms<br>⑤ LENGTH 14.5 cms<br>WIDTH 7.0 cms | MATERIALS<br>LEATHER (ALSO FLAX AND<br>? SINEW) |
| <p>④ ⑤ CERTAINLY, ⑥ PERHAPS, FROM SANDAL OF 80.1.21/121 TYPE.</p> <p>④ FRONT END COMPLETE, DETACHED WITH A KNIFE. FOUR TIES <sup>PROJECTIONS</sup> SURVIVE, ALL COMPLETE. UPPER SOLE ONLY, STITCH HOLES AROUND FOR ATTACHMENT OF LOWER ONE, WITH FRAGMENT OF STITCHES OF 2-SPUN, 5-PLY FLAX ALSO, RIGHT FRONT, A FEW LEATHER STITCHES, PROBABLY A REPAIR.</p> <p>⑤ RIGHT SIDE, CENTRAL PORTION, ABOUT HALF THE WIDTH OF UPPER SOLE ONLY. TIES <sup>PROJECTIONS</sup> SURVIVE, REAR TO FRONT, AS FOLLOWS: -</p> <p>— ONE ARM OF LONG (PRESUME SPADE-ENDED) TIE, STITCHED THROUGH WITH LEATHER REPAIR REMNANT, AND TIED AROUND WITH TIE REMNANT, THIN LEATHER. THIS ONE APPEARS TO HAVE BROKEN, BEEN REPAIRED, BROKEN AGAIN, AND TIED UP WITH TIE INSTEAD OF HAVING IT PATTED THROUGH</p> <p>— LONG, SPADE-ENDED, COMPLETE NEW SPADE-END (PRESUMABLY FROM ANOTHER SANDAL) SEWN ON WITH LEATHER.</p> <p>⑥ SINGLE ARM, BROKEN OFF SHORT. THIS IS A PUZZLE. THE EXPLANATION SEEMS TO BE THAT THE ONE WITH NEW SPADE-END IS ACTUALLY MADE FROM 2 BITS THAT BELONGED TO THE ADJACENT PROJECTIONS.</p> <p>— ROUND-ENDED TYPE, ENDS BROKEN OFF AND TWO ARMS SEWN TOGETHER WITH LEATHER.</p> <p>— STUMP OF ONE ARM OF ROUND-ENDED TYPE. BETWEEN SPADE-ENDS AND ROUND-ENDS, A THIN TIE SPRINGS, BROKEN OFF AT <math>\approx 3/4</math> cms, THREADED THROUGH AND KNOTTED BELOW. THIS MAY WELL BE A REPLACEMENT FOR A BROKEN TIE FROM THE BACK.</p> <p>STITCH-HOLES ALONG EDGE, BUT ALSO A SINGLE HOLE 2 cms FURTHER IN, STITCH OF THICK HAZEL, PROBABLY KNOTTED BELOW, PRESUMABLY ANOTHER REPAIR! A WELL-TENDED SANDAL!</p> <p>⑦ SEPARATELY ATTACHED LOWER SOLE, COMPLETE PIECE <sup>FORMERLY</sup> WITH STITCH-HOLES AROUND, PROBABLY A HEEL, A FEW LEATHER STITCHES AROUND A TORN EDGE ARE PROBABLY THE REMNANT OF A REPAIR.</p> |                                                     |                                                                                             |                                                 |
| (A)(B)(C) Faculty of Oriental Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     | For div. - 1993                                                                             |                                                 |





CAT. NO. 101[C]


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |                                                                           |                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------|----------------------------------|
| DATE<br>80.2.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | UNIT SOUTH RAMPART STREET<br>LEVEL 3B | FRAGMENTS OF<br>SANDALS                                                   | REG. No. (AB)<br>80/1053         |
| Exc No. 108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DATE OF LEVEL R1-334-A                | DATE OF OBJECT                                                            |                                  |
| PHOTO Nos<br>80F41/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       | SIZE (A)<br>EACH TIE 17.0 x 1.0 cms<br>(B) 11.0 cms LENGTH<br>1.7 - WIDTH | MATERIALS<br>LEATHER (ALSO FLAX) |
| <p>(A) TWO PAIRS OF SPADE-SHOD TIES FROM THE BACKS OF SANDALS. EACH PAIR IS FROM A DIFFERENT SANDAL, AND IS COMPLETE WITH APPROX. 3.5 cms LENGTH OF THE SEW JUNCTION OF THE REAR UPPER, HAVING BEEN CUT OFF AT THIS POINT. STITCHES ARE OF S-PUT FLAX. EACH TIE <sup>PROTECTIONS</sup> WAS ALSO STILL ATTACHED A FRAGMENT OF THE VERY THIN TIE WHICH SPRINGS ABOVE THE THICK PROTECTIONS, PRESERVED LENGTHS BEING BETWEEN A STUMP AND APPROX 7 cms. THE TIES HAVE BEEN THREADED THROUGH EACH OTHER TO KEEP THE TWO PAIRS TOGETHER. THEY PRESUMABLY REPRESENT SALVAGE FROM A PAIR OF SANDALS FOR RE-USE.</p> <p>(B) NOT DRAWN</p> <p>(B) SINGLE SPADE-SHOD TIE OF SAME TYPE. BROKEN OFF. NOTE KNIFE-CUT ACROSS NEAR CENTRE, PRESUMABLY FROM WHEN ADJACENT PARTS WERE REMOVED FOR SALVAGE (A?)</p> <p>(AB) In Faculty of Oriental Studies</p> |                                       |                                                                           |                                  |

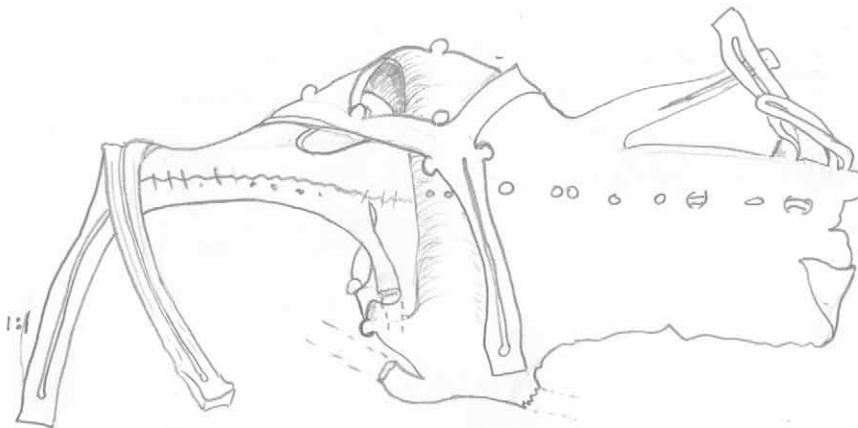


QI 80.2.6/108A (cam-3592). Overview. Scale bar is 50 mm. EES/British Museum, London.



## CAT. NO. 102[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                                                                                                                                                                                                                                                                                                                                                                |                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| DATE<br>80.2.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNIT SOUTH RAMPART STREET<br>LEVEL 3C | SANDAL                                                                                                                                                                                                                                                                                                                                                         | REG No.<br>80/1018                              |
| Exc No. 125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DATE OF LEVEL R1-334-A                | DATE OF OBJECT                                                                                                                                                                                                                                                                                                                                                 |                                                 |
| PHOTO Nos<br>80F101/24<br>80F100/41, 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       | SIZE<br>LENGTH (SOLE) c 20 CMS (EIT)<br>WIDTH 11.5 CMS                                                                                                                                                                                                                                                                                                         | MATERIALS<br>LEATHER (ALSO <del>THE</del> FLAX) |
| <p>CENTRAL AND REAR PARTS OF SANDAL OF TYPE OF 80.1.21/121.</p> <p>LOWER SOLE LOST. UPPER SOLE INTEGRAL, AT ALWAYS, WITH TIE-PROTECTIONS.</p> <p>STITCH-HOLES RIGHT AROUND BACK AND DOWN SURVIVING EDGE, WITH LEATHER STITCH-FRAGMENTS IN. ROW OF SPLIT-HOLES, ALSO, DOWN CENTRE, BUT THESE ARE ALL CLOSED AND NO STITCHES IN THEM - PERHAPS NEVER USED.</p> <p>USUAL ARRANGEMENT OF TIES, AS FAR AS CAN BE SEEN, AT FRONT END, WHERE 3 FAIRLY POINTED ONES SURVIVE AT LEFT FRONT. AT REAR (NOW DISTORTED) THEY ARE REMARKABLY FEW. THE LEFT REAR UPPER-STRUCTURE CARRIES ONLY ONE SPADE-ENDED ONE, THUS, AND ON EACH</p>  <p>SIDE THERE IS ALSO JUST ONE MORE HIGH UP (c 10-11 CMS) AT THE VERY TOP OF THE BACK. THERE ARE ALSO SPADE-ENDED, c 11.5 CMS LONG. THE BACK IS NARROWER THAN USUAL, ONLY 2 CMS BETWEEN CUT-OUTS AT MAXIMUM, AND CLEARLY NEVER TOOK MORE TIE THAN THIS. In Faculty of Oriental Studies</p> |                                       | <p>DECORATIVE STITCHING OF SMALL SIZE BUT UNUSUAL - ORATE FORM JOINS THE TWO SIDES DOWN THE BACK. STITCHES ARE S-PLY FLAX.</p> <p>THERE IS A SMALL DITTO REPAIR NEAR THE TOP.</p> <p>A NARROW STRIP OF WHITER LEATHER HAS BEEN SEWN WITH LEATHER ALL AROUND THE BACK, EXTERIOR, AT THE EXTREMITY OF THE HEEL.</p> <p>AN UNUSUAL SPECIMEN OF A COMMON TYPE.</p> |                                                 |


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CAT. NO. 102[C] - CONTINUE -



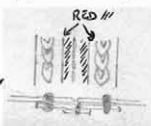
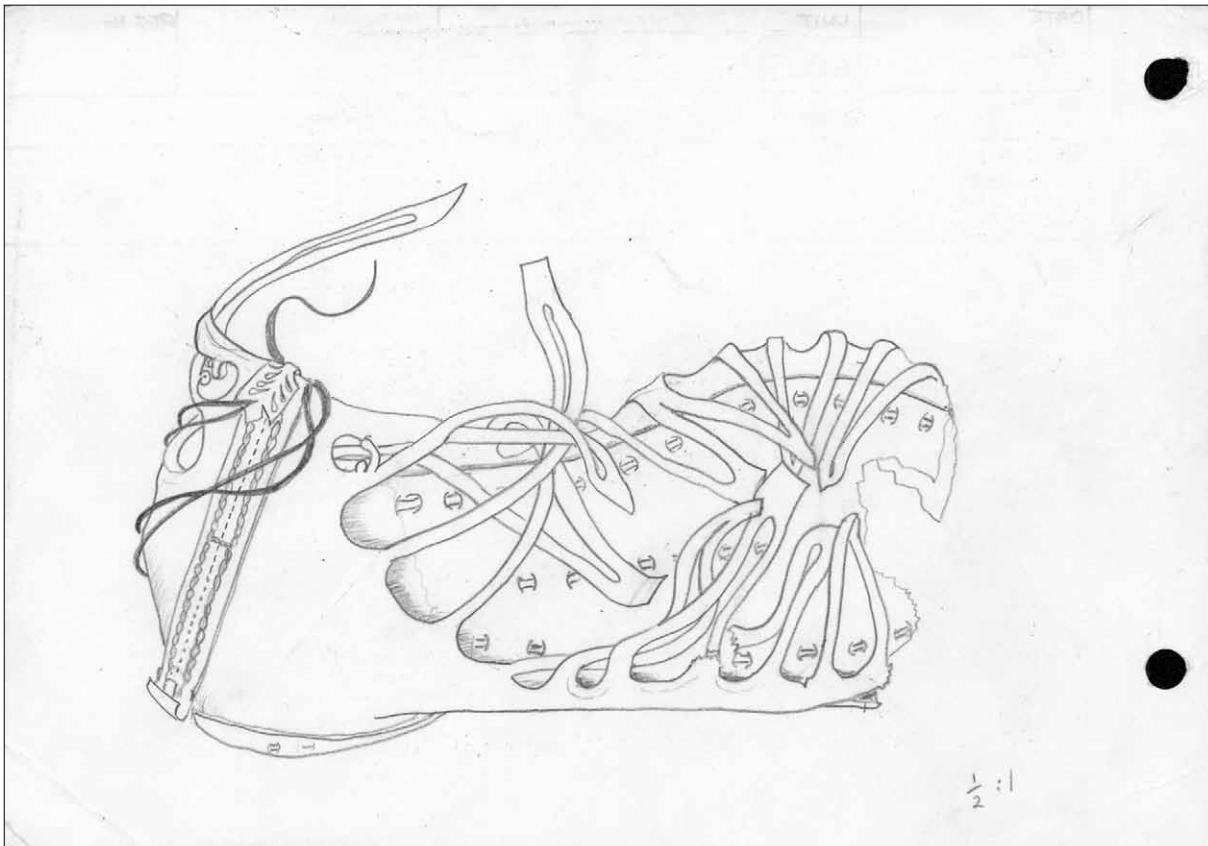
QI 80.2.7/125 (cam-3636). Overviews (ventral and dorsal views). Scale bar is 50 mm. EES/British Museum, London.

## CAT. NO. 103[C]

|                                     |                                                            |                                  |                    |
|-------------------------------------|------------------------------------------------------------|----------------------------------|--------------------|
| DATE<br>80.2.7                      | UNIT SOUTH RAMPART STREET<br>LEVEL 3C                      | SANDAL                           | REG No.<br>80/1018 |
| Exc No. 136                         | DATE OF LEVEL R1-334-A                                     | DATE OF OBJECT                   | ROMAN              |
| PHOTO Nos<br>80F100/1,2<br>80F43/36 | SIZE<br>LENGTH 22.0 cms } LOWER<br>WIDTH 11.5 cms } SOLETS | MATERIALS<br>LEATHER (ALSO FLAX) |                    |

FINE QUALITY SANDAL, LACKING FRONT END.  
MAJOR SOLE INTEGRAL WITH UPPER AT USUAL.  
INSTEAD OF NORMAL SINGLE THICKNESS SOLE BELOW THIS, THERE ARE TWO OF APPROX. IDENTICAL SIZE AND SHAPE, AND ONE ABOVE, MAKING FOUR IN ALL. SEWING IS WITH LEATHER STITCHES WHICH APPARENTLY GO RIGHT THROUGH. IT IS LIKELY THAT THE TOP AND BOTTOM THICKNESSES ARE A (SIMULTANEOUS) REPAIR; HOWEVER, THE ORIGINAL STITCHING IS ALSO LEATHER, IT APPEARS. STITCHES OF SECONDARY ORIGIN ARE PLUNG BOTH GOBBY AND DOWN CENTRE. NO TRACES OF HORNAILS. WEAR HOLE AT LEFT REAR.  
UPPERS AT USUAL OF ONE PIECE OF LEATHER, SEWN UP THE BACK, MAX HEIGHT 12.0 CMS. METHOD OF JOINING WAS TO PLACE A LEATHER STRIP 1.4 CMS WIDE STRAIGHT UP THE BACK AND SEW IT IN PLACE ON EACH HALF WITH LEATHER STITCHES, SPLIT-STITCH, EACH INTO THE BACK OF THE LAST. THE CENTRE IS THEN COVERED BY A STRIP OF RED LEATHER 0.4-0.5 CMS WIDE, SEWN DOWN THE CENTRE WITH TINY STITCHES OF S-SPUN FLAX.  
LATER, SHOE-LEAVE PIECE DETACHED.  
TWO SCORP-MARKS BEHIND VERTICAL TIE-PROTECTIONS, EACH SIDE, AND PLUNG EACH TOP TIE-PROTECTION.  
REAR UPPER CARRIES TWO HORIZONTAL ~~SPADE-ENDED~~ TIE-PROTECTIONS ON EACH SIDE. THE UPPER ONE IS, UNUSUALLY, POINTED-ENDED; THE LOWER HAS THE USUAL SPADE-END. THE UPPER ONE HAS A VERTICAL LINK BETWEEN THE TWO ARMS, WITH TWO DECORATIVE KNOBS AT THE JUNCTIONS. THE LOWER ONE ON THE LEFT IS ROUND-ENDED ③.  
FROM THE REAR VERTICAL 1.4 CMS WIDE COVERING STRIP, AT ITS TOP, SPRING VERY THIN TIES (C. 0.3 CMS WIDE). 2 SURVIVE ON RIGHT (EACH C. 11 CMS LONG) AND 2 SHORTER STUMPS ON LEFT. THESE TIES WERE NOT READY UP TO TOUGH WEAR, NOR COULD THEY BE REPLACED IN THE SAME FOLD.  
AT THE TOP OF THIS STRIP A TAG 2.9 CMS LONG CONTINUES IT, INTEGRAL WITH IT. IT HAS DECORATIVE CUT-OUTS AND A SHARPED TOP.  
FROM THE LOWER PART OF THE UPPER SPRING 2 SPADE-ENDED TIE-PROTECTIONS ON EACH SIDE, THEN 3 POINTED TO-ROUND ENDED. AHEAD OF THEM ON LEFT AND 2 ON RIGHT. PRESUMABLY OTHERS, FORWARD, LOST.  
NOTE ABSENCE OF "STRUCTURE" FOR REAR TIE-PROTECTIONS.

1:1  
APPROX



CAT. NO. 104[C]

|                                                                                                                                                                                                                       |                                                                                               |                                  |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------|----------------------------|
| DATE<br>80.2.10                                                                                                                                                                                                       | UNIT SOUTH RAMPART STREET<br>LEVEL 3C                                                         | FRAGMENTS OF<br>SHOE AND SANDAL  | REG No. (A) (B)<br>80/1053 |
| EXC No 68                                                                                                                                                                                                             | DATE OF LEVEL R1-334-A                                                                        | DATE OF OBJECT                   |                            |
| PHOTO Nos<br>80F99/32 AB                                                                                                                                                                                              | SIZE<br>(A) LENGTH (UNCURLED) c 9 cms<br>WIDTH 0.7 cms<br>(B) LENGTH 5.2 cms<br>WIDTH 5.2 cms | MATERIALS<br>LEATHER (ALSO FLAX) |                            |
| <p>(A) TIE FROM SANDAL OF TYPE 80.1.21/121<br/>SLIM, NARROW-ENDED VARIANT OF THE<br/>SPADE-ENDED TYPE. NOT DRAWN</p> <p>(B) SMALL FRAGMENT OF PROBABLE SHOE SOLE.<br/>ON EDGE, A FEW BROKEN STITCHES OF<br/>FLAX.</p> |                                                                                               |                                  |                            |
| (A) (B) 2 Facets of Oriental Studies                                                                                                                                                                                  |                                                                                               |                                  |                            |

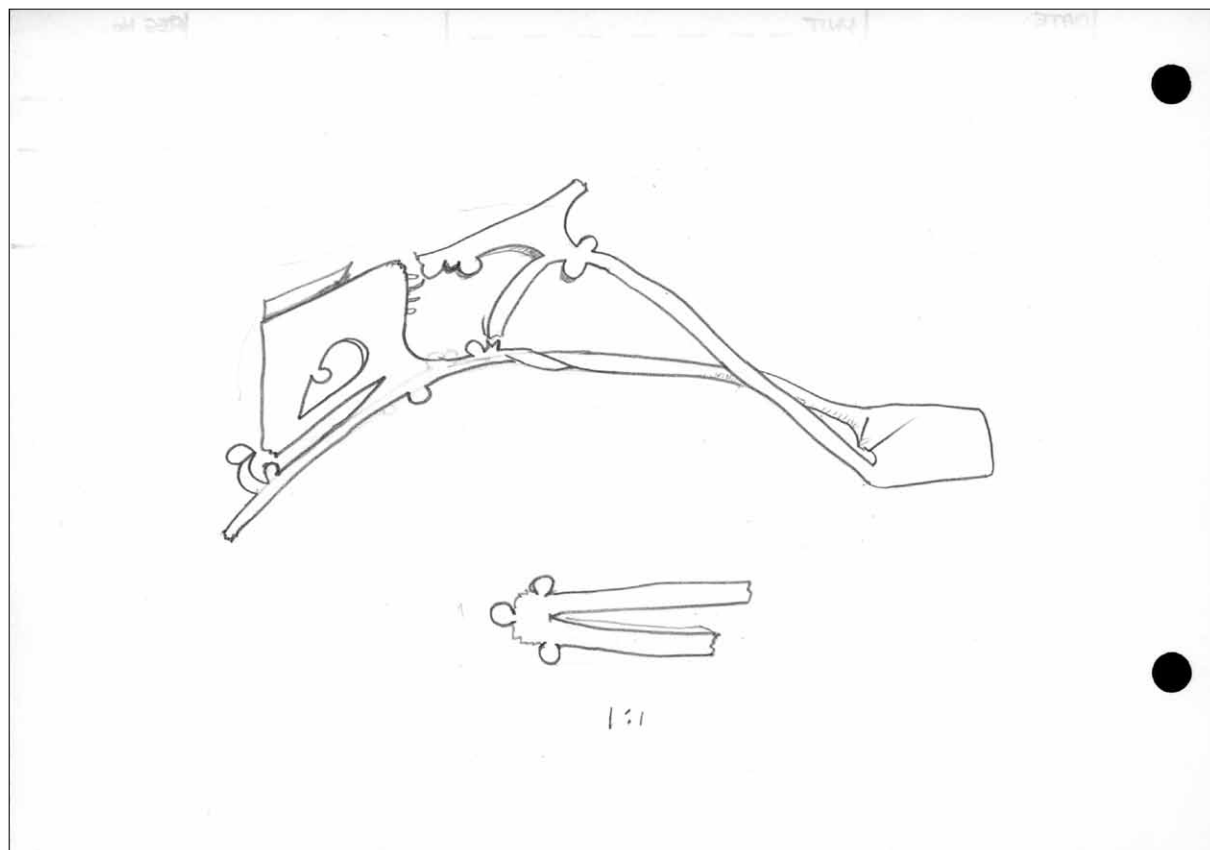


Artist's impression of Roman soldier (1st c. AD) wearing caligae. By Mikko H. Kriek.

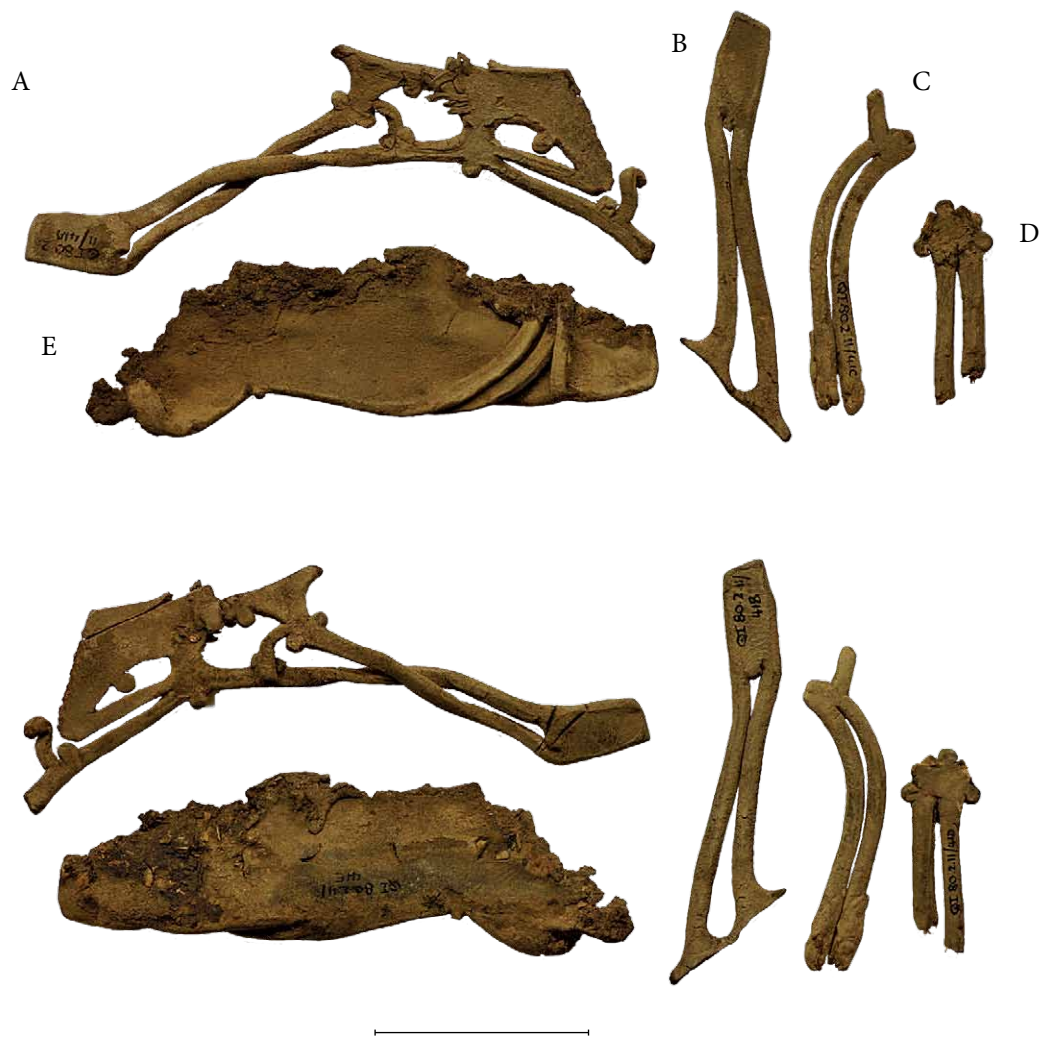


## CAT. NO. 105[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                        |                        |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------|------------------------|
| DATE<br>80.2.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UNIT SOUTH RAMPART STREET<br>LEVEL 3D (=7)                                                             | FRAGMENTS OF<br>SANDAL | REG No. A-E<br>80/1053 |
| Exc No 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DATE OF LEVEL R1-334-1                                                                                 | DATE OF OBJECT         |                        |
| PHOTO Nos<br>80F100/43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SIZE<br>A 14.0 x 2.7 cms<br>B 9.0 x 1.2 cms (width of spade end)<br>C 6.7 x 0.8 cms<br>D 4.5 x 1.2 cms | MATERIALS<br>LEATHER   |                        |
| <p>FRAGMENTS OF SANDAL(S) OF TYPE OF 80.1.21/121. (E) LENGTH 13.0 cms WIDTH 4.0 cms</p> <p>(A) PART OF THE "STRUCTURE" AT THE LOWER REAR END, RETAINING ONE SPADE-ENDED TIE AND DECORATIVE FEATURES. (B)(C)(E) NOT DRAWN</p> <p>NOTE KNIFE-CUTS FROM THE REMOVAL.</p> <p>(B) SPADE-ENDED TIE.</p> <p>(C) BROKEN TIE AND PART OF (PROBABLY) DECORATIVE PROTECTION.</p> <p>(D) BROKEN TIE AND DECORATED BASE FROM WHICH IT SPRINGS. 2 OF THE BUNDLES, AT LEAST, APPARENTLY STAMPED.</p> <p>(E) PART OF MID EDGE OF SANDAL SOLE, RIGHT SIDE. THREE BROKEN TIES, AND DECORATIVE "BUD" AT BASE OF ONE OF THEM.</p> <p>STITCH HOLES IN A ROW, AND ONE STITCH OF</p> |                                                                                                        |                        |                        |
| ABCDE In Faculty of Oriental Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                        |                        |                        |



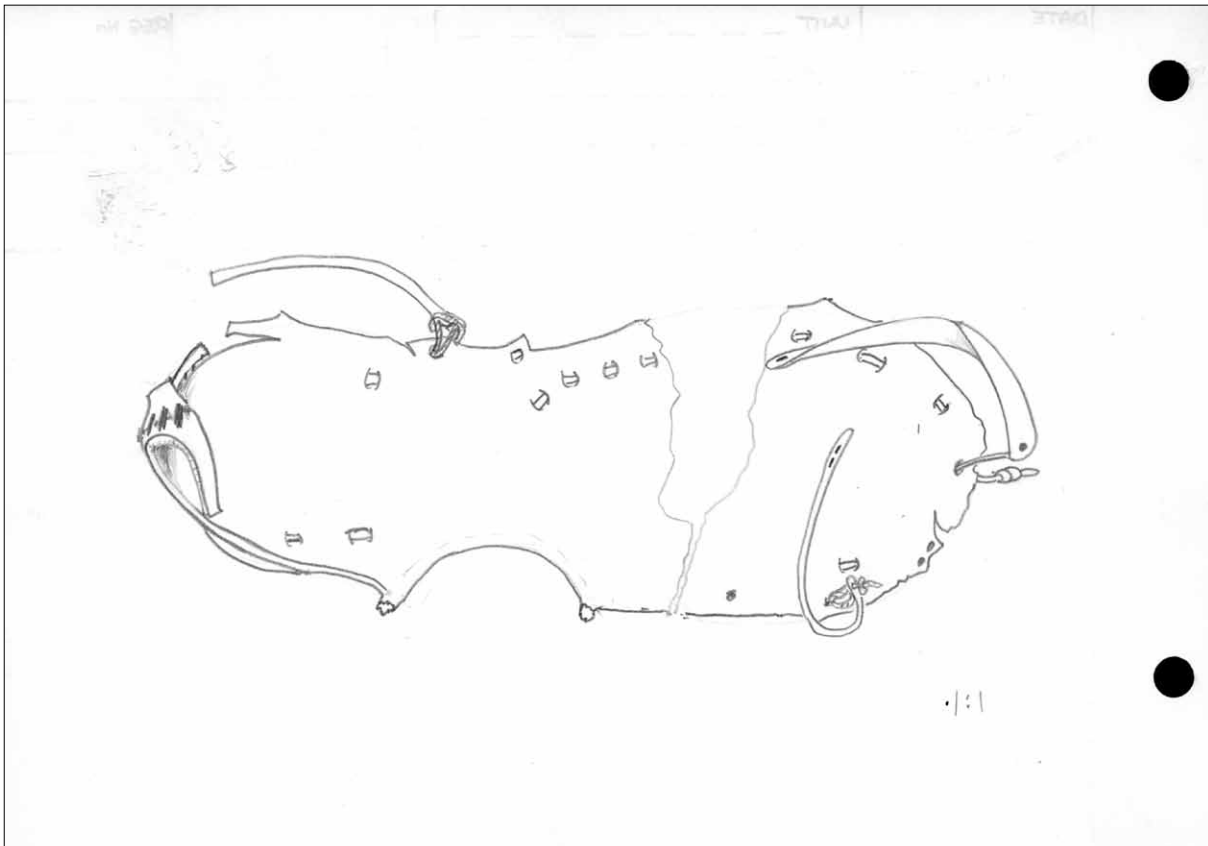
CAT. NO. 105[C] - CONTINUE -



QI 80.2.11/41A-E (cam-3546). Overviews (outer and inner views). Scale bar is 50 mm. EES/British Museum, London.

## CAT. NO. 106[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                                                                              |                                    |
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| DATE<br>80.2.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNIT SOUTH RAMPART STREET<br>LEVEL 3C | FRAGMENT OF<br>SANDAL                                                        | REG NO. (A) 80/1018<br>(B) 80/1053 |
| Exc No. 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DATE OF LEVEL R1-334-A                | DATE OF OBJECT                                                               |                                    |
| PHOTO Nos<br>80F99/12-13<br>C-80F100/28 right / 80F100/8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       | SIZE<br>(A) (B) LENGTH 27.0 CMS<br>WIDTH 10.2 CMS<br>(C) 5.5 x 6.7 x 0.2 CMS | MATERIALS<br>LEATHER (ALSO FLAX)   |
| <p>(A) FRONT AND (B) REAR, JOINING PARTS OF SOLE OF SANDAL OF TYPE OF 80.1.21/121. UPPER THICKNESS - SMALL PART LOST FROM LEFT CENTRE.</p> <p>OF LOWER THICKNESS, ONLY REAR SURVIVES. SEWN ON WITH 5-PLY FLAX. LARGELY MADE IN THE THICKNESS OF THE LOWER SOLE.</p> <p>UNUSUAL FEATURE IS EVIDENCE OF A SEPARATELY-MADE REAR UPPER, EXTENDING 2.3 CMS FORWARD OF REAR END POINT, SEWN WITH TINY, NEAR ALMOST INVISIBLE STITCHES OF FLAX AND REINFORCED ON RIGHT WITH VISIBLE SMALL LEATHER STITCHES. THIS WAS ONLY 0.5 - 0.7 CMS HIGH, EXCEPT IN THE CENTRAL 1.5 CMS, WHICH ROSE 2.4 CMS. THE REAR UPPER IS ACTUALLY IN TWO PIECES, AND IS OVERSEWN UP THE BACK IN THE SAME MANNER AS THE REPAIR, AND WITH LEATHER, SO MAY ALSO BE A REPAIR. FROM THE TOP OF THIS BACK UPPER A TIE PROJECTION WENT HORIZONTALLY TO RIGHT AND LEFT.</p> <p>OTHER STUMPS OF TIE PROJECTIONS SHOW (A) (B) (C) In Faculty of Oriental Studies</p> <p>ALONG BOTH SOLES, THREE TIES HAVE BEEN RE-ATTACHED, ONE (AT FRONT) WITH A THIN LEATHER TIE AND THE OTHERS (RIGHT FRONT AND CENTRE LEFT) WITH 2-PLY FLAX.</p> <p>THE RE-ATTACHED FRONT TIE IS UNUSUAL, AND PROBABLY A HOME-MADE JOB. 6.8 CMS LONG, AND OF SIMILAR LEATHER, IT IS FLAT IN CROSS-SECTION, TAPERS FROM 1.4 CMS WIDE TO A POINT IN WHICH IS A NEEDLE-EYE HOLE.</p> <p>THE ONE AT RIGHT FRONT IS ALSO UNUSUAL, PROBABLY MADE FROM HALF A TIE, 27.5 CMS LONG, 0.3 CMS DIA, WITH 2 BUCK HOLES, 1.3 AND 2.0 CMS FROM TIP. TIE NEAR LEFT CENTRE IS ALSO PROBABLY FROM HALF A TIE, BUT IS RE-BROKEN, 8 CMS LONG, AND HAS NO (SURVIVING) HOLE.</p> <p>THE 3 TIES ARE ATTACHED THROUGH HOLES MADE IN THE SOLE. A SECOND HOLE NEAR THE FRONT, LEATHER SCRAP IN, IS PROBABLY REMAINS OF A SECOND LEATHER-ATTACHED TIE.</p> <p>(C) FRAGMENT OF TIE ALMOST CERTAINLY BROKEN FROM THIS SANDAL.</p> <p>(C) NOT DRAWN.</p> |                                       |                                                                              |                                    |



CAT. NO. 106[C] - CONTINUE -



QI 80.2.12/63 (cam-3601). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.



## CAT. NO. 107[C]

|              |                 |                                      |             |                                        |        |
|--------------|-----------------|--------------------------------------|-------------|----------------------------------------|--------|
| 2471         | DATE 78.3.15    | SITE <u>SOUTHERN RAMPART SITE RI</u> | FRAGMENT OF | 78/                                    | REG NO |
|              | TIME            | GRID No <u>SECTIONS A-B</u>          | SANDAL      | 455                                    | part   |
|              |                 | LEVEL <u>3</u>                       |             |                                        |        |
|              |                 | DATING <u>RI-334-Aoptic</u>          |             |                                        |        |
|              |                 |                                      | MATERIALS   | LEATHER (AND FLAX)                     |        |
| EXC. No. 107 | PHOTO Nos. None |                                      | SIZE        | LENGTH 11 cms<br>WIDTH (SOLE) 10.5 cms |        |

SINGLE THICKNESS CENTRE FRAGMENT OF SANDAL SOLE, PROBABLY THE LOWER OF 2 THICKNESSES.

SHARP SIDES.

CURVING FORWARD, TWO TIE PROJECTIONS ON EACH SIDE, THOSE ON LEFT PROLONGED TO 7 cms, THOSE ON RIGHT BROKEN OFF SHORT, ONE ANCIENTLY AND ANCIENTLY REPLACED WITH KNOTTED STRAND ALSO NOW BROKEN OFF SHORT. TIE PROJECTIONS INTEGRAL WITH SOLE - THE USUAL EXTRAVAGANT USE OF LEATHER NOTED FROM ROMAN/HEROIC LÖBELS. 2½-3 cms BEHIND THE PROJECTIONS, SMALL DECORATIVE KNOTS ON EACH SOLE EDGE.

ROW OF LOOSELY SPACED STITCH-HOLES DOWN EACH EDGE. IN ONE, STITCH FRAGMENT OF FLAX. THESE PRESUMABLY ATTACHED AN UPPER SOLE.

3 HOLES IN A ROW ACROSS THE THICKNESS, PROBABLY FOR STUDS, ALSO ANOTHER 2½ cms FURTHER BACK ON LEFT AND A FURTHER ONE 6½ cms BACK ON RIGHT.

CLOSE TO LEFT-HAND EDGE, BEHIND THE PROJECTION, AN UNEXPLAINED STITCH IN LEATHER, PERHAPS A REPAIR - NOT TIE OR ATTEMPTED REPAIR.

In Faculty of Oriental Studies

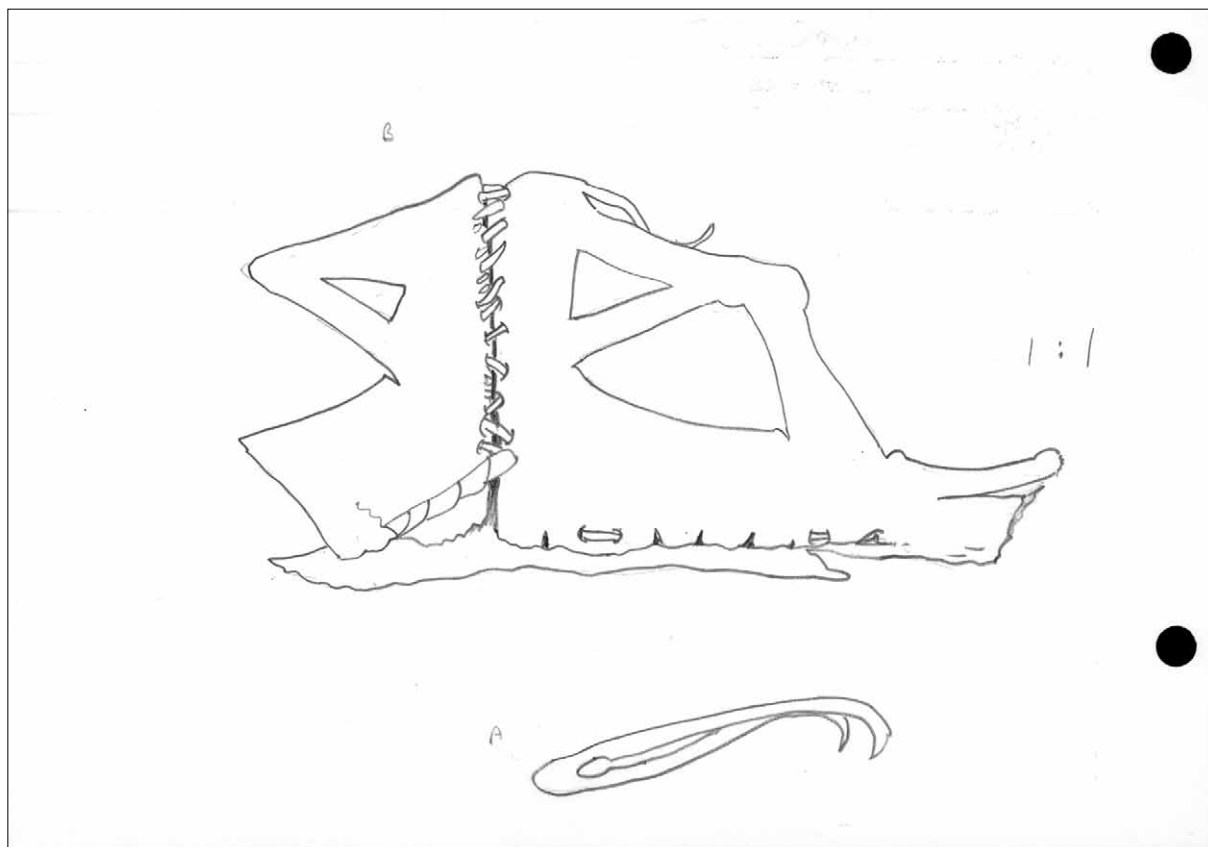
Not Drawn



QI 78.3.15/107 (cam-3591). Overviews (inner and outer views). Scale bar is 50 mm. EES/British Museum, London.

CAT. NO. 108[C]

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| DATE<br>80.2.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UNIT SOUTH RAMPART STREET<br>LEVEL 3A | FRAGMENTS<br>OF SANDALS                                                                                                       | REG. NO. ABC<br>80/1053             |
| EXC. NO. 89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DATE OF LEVEL RL 334-A                | DATE OF OBJECT                                                                                                                |                                     |
| PHOTO Nos<br>(A)(B)(C) 80F 26/3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       | SIZE<br>(A) LENGTH 17.5 CMS<br>WIDTH 10.9 CMS<br>(B) LENGTH 14.2 CMS<br>HEIGHT 6.7 CMS<br>(C) LENGTH 3.5 CMS<br>WIDTH 3.5 CMS | MATERIALS<br>LEATHER<br>(ALSO FLAX) |
| <p>TWO FRAGMENTS FROM SANDALS OF TYPE OF 80.1.21/121, AND ONE POSSIBLY.</p> <p>(A) SLIGHTLY POINTED TIE.</p> <p>(B) FRAGMENT OF REAR, COMPRISING THE GREATEST PART OF THE HEIGHT AT THE JOIN, TOGETHER WITH THE COMPLEX STRUCTURE FROM WHICH THE REAR TIES SPRING ON LEFT SIDE AND A PART ON RIGHT SIDE.</p> <p>FRAGMENT OF LOWER THICKNESS OF SOLE, LEATHER SEWING, SURVIVES. THE STITCHING (LEATHER) UP THE BACK KNOT BEEN INCOMPLETELY REMOVED, LEAVING TRAILING ENDS ON EXTERIOR.</p> <p>(C) SCRAP FROM EDGE OF SOLE. LEATHER SIMILAR TO THAT OF UNDERSOLET FOR THIS KIND OF SANDAL. SCRAP OF 2-SEW FLAX STITCH.</p> <p>(A)(B)(C) 2 Fragments of Original Sandal</p> |                                       |                                                                                                                               |                                     |



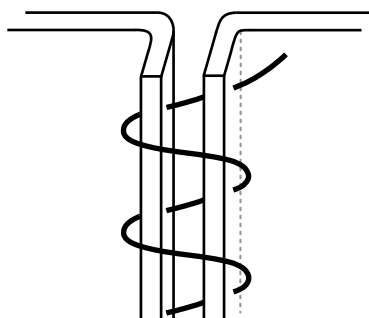
CAT. NO. 108[C] - CONTINUE -



QI 80.2.2/89C (cam-3267). Overview. Scale bar is 50 mm. EES/British Museum, London.



QI 80.2.2/89B (cam-3553). Overview (outside and inside). Scale bar is 50 mm. EES/British Museum, London.



QI 80.2.2/89B (cam-3553). Detail of the whip stitching with leather thong (see diagram left). Scale bar is 50 mm. EES/British Museum, London.



CAT. NO. 109[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                           |                                  |
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| DATE<br>80.2.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UNIT SOUTH RAMPART STREET<br>LEVEL 3C | FRAGMENT OF<br>SANDAL                     | REG. No.<br>80/1017              |
| Exc No. 95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DATE OF LEVEL R1-334-A                | DATE OF OBJECT                            |                                  |
| Photo No.<br><b>80F40/34</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       | SIZE<br>LENGTH 25.8 CMS<br>WIDTH 10.5 CMS | MATERIALS<br>LEATHER (ALSO FLAX) |
| <p>REMAINS OF SANDAL OF TYPE OF 80.1.21/121.<br/>RIGHT FOOT<br/>MOST SURVIVES OF BOTH THICKNESSES OF SOLE<br/>THE UPPER ONE RETAINS SMALL PIECE OF<br/>5 TIES. ONE OF THESE, AT LEFT FRONT,<br/>BROKE AND WAS RE-ATTACHED IN ANTIQUITY<br/>WITH A SMALL LENGTH OF 5-PLY FLAX</p> <p>AT FURTHEST POINT AT REAR, ANOTHER PIECE<br/>OF FLAX, THIS ONE 2-PLY, TIED IN A LOOP 3.5<br/>CMS DIA., PASSING THROUGH A SMALL HOLE 0.7<br/>CMS FROM REAR EDGE. PURPOSE OF THIS NOT<br/>CLEAR (TO HOLD IT UP?) BUT IT PROVES THE BACK<br/>WAS ANCIENTLY LOST.</p> <p style="text-align: right;">NOT DRAWN</p> |                                       |                                           |                                  |
| <p><i>L. Faculté of Oriental Studies</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |                                           |                                  |



QI 80.2.7/95 (cam-3593).  
Overviews (dorsal and  
ventral views). Scale bar  
is 50 mm. EES/British  
Museum, London.



## CAT. NO. 110[C]

2220


|                      |                                                                                                          |                               |                                                                            |         |
|----------------------|----------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------|---------|
| DATE 78.3.12<br>TIME | SITE <u>SOUTH DAMPART ST.</u><br>GRID No <u>SECTIONS A-B</u><br>LEVEL <u>3</u><br>DATING <u>R1-334-A</u> | FRAGMENTS OF SANDAL           | 78/<br>(A) (B)<br>456 part                                                 | REG No. |
| EXC. No. 35          | PHOTO Nos. 78A46/10 <sup>(B)</sup> <del>the rear part only</del>                                         | MATERIALS LEATHER (ALSO FLAX) | SIZE (A) LENGTH 16 CMS<br>WIDTH 11 CMS<br>(B) LENGTH 11 CMS<br>WIDTH 8 CMS |         |

(A) FRONT AND (B) REAR FRAGMENTS OF WHAT WAS ALMOST CERTAINLY A SINGLE, ELEGANT AND ELABORATE SANDAL.

LEFT FOOT:

SOLE OF A SINGLE LEATHER THICKNESS, ALL AROUND, FAIRLY CLOSE TO RIM, ARE BROKEN STITCHES OF 5-PLY FLAX. THESE ARE SEWN IN SUCH A WAY AS TO TRAVEL FOR SOME PART INSIDE THE THICKNESS OF THE LEATHER. THEY ALSO APPEAR BOTH ABOVE AND BELOW THE BREAKS ARE MOSTLY BELOW, SO THEY PROBABLY ATTACHED AN UNDERSOLE.

REAR OF SANDAL IS CUPPED. A LONGITUDINAL ~~V-CUT~~ <sup>V-CUT</sup> ~~3 CMS LONG~~ WAS THEN SEWN UP WITH TINY STITCHES OF 5-PLY FLAX. THE BACK IS CONTINUED UPWARDS, AS A SINGLE PIECE OF LEATHER, FOR 3 CMS, AT A SHARPED SUPPORT FOR THE BACK OF THE ANKLE. 2 FURTHER PROTECTIONS 6 CMS LONG CONTINUE FROM THE TOP. THESE ARE STEMS 0.3 X 0.2 CMS AND TERMINATE IN DISCS DIA 0.9 CMS. THESE PRESUMABLY STOOD UPLIGHT ON EITHER SIDE OF THE ANKLE. ONE IS NOW DETACHED.

THE EDGES OF THE REAR PART OF THE SOLE ARE WAVY , DISTANCES BETWEEN PRESERVED CRESTS BEING 3 CMS AND (2 CMS TO A BREAK NEAR CREST). TO THESE CRESTS ARE ATTACHED ROUND STEMS (DIA 0.3 CMS, COMPLETE SURVIVOR 3 CMS LONG) WHOSE OTHER ENDS ARE ATTACHED TO ANOTHER SUCH WHICH RUNS ALONG EACH SIDE. ON THE LEFT, ONE COMPLETE STEM SURVIVES; ON THE RIGHT, 2 BROKEN ONES, AND THE RUNNING STEM CONTINUES TOWARDS AN ASSUMED 3RD. NOTE THAT THE STEMS ARE ALL INTEGRAL WITH THE SOLE, ACHIEVED BY CUTTING OUT THE INTERVENING LEATHER AND THEN SUBSEQUENTLY ROUNDING THE STEMS.

AT THE FRONT, THE ARRANGEMENT IS DIFFERENT. THE EDGES OF THE SOLE ARE REGULAR AND ROUNDED IN THE CONVENTIONAL WAY. HOWEVER, AT INTERVALS OF ABOUT 2 CMS THERE SPRING TIES. THESE ARE DOUBLE STEMS, THE TOTAL WIDTH OF THE PAIR BEING c 0.8 CMS. LENGTH IS VARIABLE AROUND 5 TO 6 CMS, FOR THE FINAL 1 CM OF WHICH THEY RETURN TO MAKE A SOLID END, IN WHICH IS A SMALL HOLE. 3 ARE PRESERVED, IN WHOLE OR IN PART, ON EACH SIDE, AND THE STUB OF A 4TH ON EACH SIDE, ONE OF WHICH ALSO SURVIVES, DETACHED. AGAIN, THESE ARE ALL INTEGRAL WITH THE SOLE. PROBABLY THERE NO OTHER THEY IMBED OVER THE TOP OF THE FOOT AND

MUST HAVE BEEN UNITED BY A THIN TIE (THE HOLES ARE ONLY 0.2 X 0.1 CMS). THE TWO SOLE FRAGMENTS DO NOT JOIN AND IT IS NOT POSSIBLE TO TELL WHETHER THERE WAS A TIE ACROSS IN FRONT OF THE ANKLE.

NOTE THE VERY WASTEFUL USE OF LEATHER, AN EXPENSIVE AS WELL AS AN ATTRACTIVE ITEM.

78.3.12 35

Note Drawn.

CAT. NO. 110[C] - CONTINUE -



QI 78.3.12/35 (cam-3599). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.

## CAT. NO. 111[C]

|                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                  |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------|---------------------|
| DATE<br>80.2.3                                                                                                                                                                                                                                                                                                                                                               | UNIT SOUTH RAMPART STREET<br>SECTION 3<br>LEVEL 3B | FRAGMENT<br>OF SANDAL            | REG. No.<br>80/1053 |
| Exc No. 48                                                                                                                                                                                                                                                                                                                                                                   | DATE OF LEVEL R1-334-A                             | DATE OF OBJECT                   |                     |
| PHOTO Nos<br><b>80FH/10</b>                                                                                                                                                                                                                                                                                                                                                  | SIZE<br>LENGTH 7.9 CMS<br>WIDTH 10.5 "             | MATERIALS<br>LEATHER (ALSO FLAX) |                     |
| <p>FRAGMENT OF ROUND-TIE SANDAL OF TYPE OF 80.1.21/121. FRONT END, UPPER SOLE THICKNESS FRAGMENT. TWO TIES SURVIVE FROM LEFT SIDE FRONT, ROUND-ENDED. AT BASE OF ONE A STITCH - FRAGMENT OF FLAX. ATTACHED NEARBY IS A SCRAP OF THE LOWER-THICKNESS SOLE SURVIVES, ATTACHED BY A LEATHER STITCH WHICH IS PROBABLY A REPAIR.</p> <p style="text-align: right;">NOT DRAWN.</p> |                                                    |                                  |                     |
| In facility of Oriental Studs                                                                                                                                                                                                                                                                                                                                                |                                                    |                                  |                     |



QI 80.2.3/48 (cam-3699). Overviews (outer and inner sides). Scale bar is 50 mm. EES/British Museum, London.



CAT. NO. 112[C]

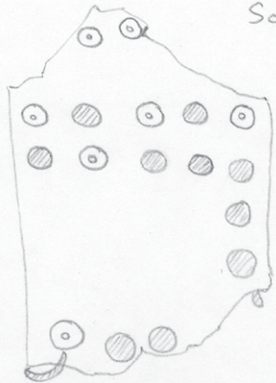
|            |                    |                                                    |                                     |                      |
|------------|--------------------|----------------------------------------------------|-------------------------------------|----------------------|
| 1924       | DATE 78.3.2        | SITE SOUTH RAMPART STURM                           | Fragment of shoe sole               | 78/ REG No. 466 PART |
|            | TIME               | GRID No SECTIONS A-B<br>LEVEL 3<br>DATING R1-334-A | MATERIALS Leather + Iron (s) + flax |                      |
| EXC.No. 20 | PHOTO Nos. 78A99/4 | SIZE L 12cms Max W 9.1cms<br>min W 6.9 cms         |                                     |                      |

Central part of a sole of a shoe or boot. Single thickness of leather. Parallel to the edges and about 0.9 cm from them run two rows of holes, irregular but averaging  $1-1\frac{1}{2}$  cms. apart. Through them run ( broken ) stitches of S-ply flax to take a second thickness. This technique noted once before, this season: 78.2.28/5.

On the underside, hobnails. These are of iron. Some are more worn than others, but none is very greatly worn, and the design appears to be standard. The nails are conical, round, dia.c.1.4 cms. Pattern of nails and nail marks below:

Central shank c.0.7cm beyond nail ( not known if nail section ↑ or ↓ ) Thus it projects above the first leather thickness which surely proves the existence of the second.

Perhaps Military equipment.




QI 78.3.2/20 (cam-3527). Overviews (ventral and dorsal views). Scale bar is 50 mm. EES/British Museum, London.



## CAT. NO. 113[C]

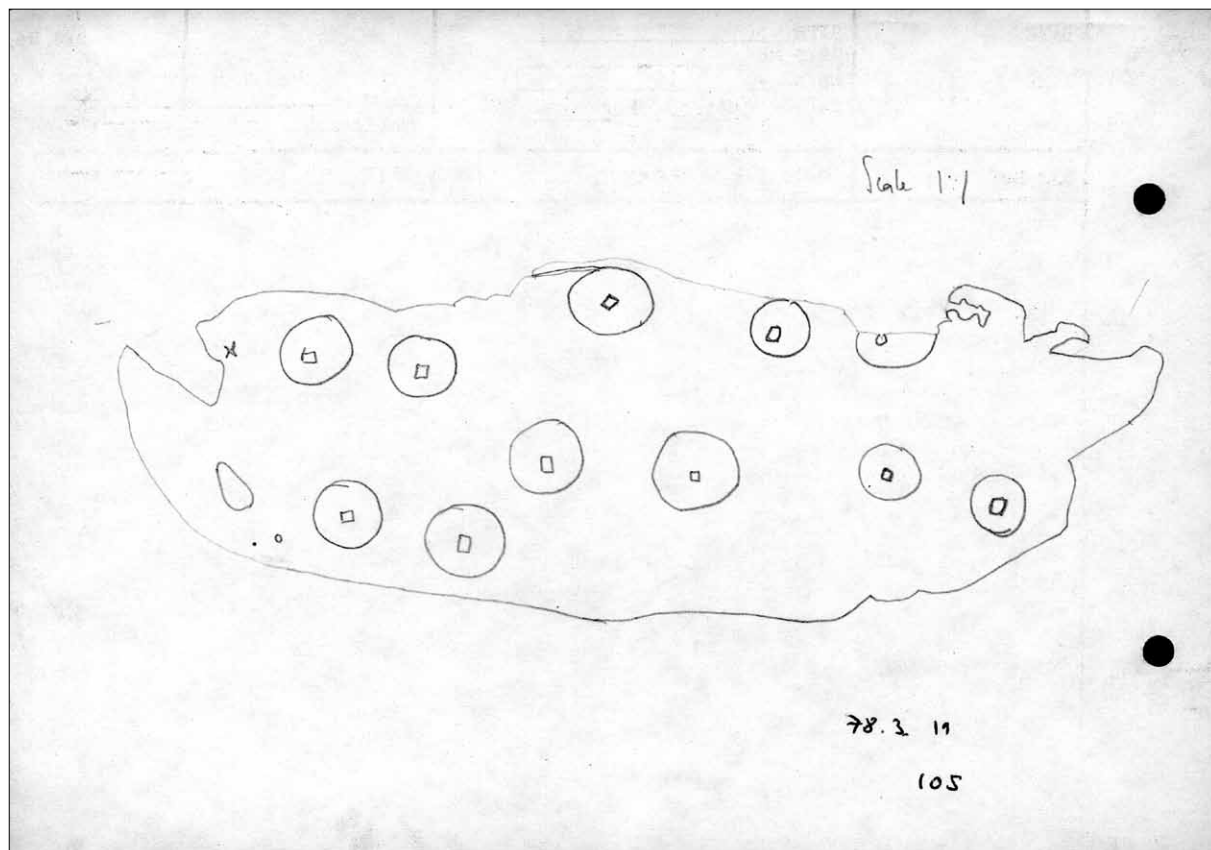
7688

|                      |                                                                           |                                       |                    |
|----------------------|---------------------------------------------------------------------------|---------------------------------------|--------------------|
| DATE 78.3.19<br>TIME | SITE South Rampart Street<br>GRID No _____<br>LEVEL 18<br>DATING R2-334-A | FRAGMENT OF<br>SANDAL                 | REG No 78/460 part |
|                      |                                                                           | MATERIALS LEATHER                     |                    |
| EXC. No. 105         | PHOTO Nos. 78A82/3                                                        | SIZE LENGTH 17.8 cms<br>WIDTH 6.4 cms |                    |

LEFT REAR PART OF SANDAL SOLE.  
PROBABLY THE LOWER OF TWO THICKNESSES.  
ON UNDERSIDE ARE THE MARKS OF 12  
NAILHOLDS, NONE OF WHICH SURVIVES. THE  
HOLES GO RIGHT THROUGH, WHICH MUST SURELY  
IMPLY AN UPPER SOLE. A ROW OF 3 HOLES  
AT AN ANGLE ACROSS THE BACK, AND A  
PAIR OF HOLES MARKED WITHIN THE THICKNESS  
ALONG THE EDGE ARE PROBABLY SIGNS OF  
THE ATTACHMENTS.  
AT REAR LEFT CORNER 2 OTHER HOLES CLOSE  
TOGETHER HOLD A LEATHER FRAGMENT WHICH  
COULD ALSO BE A STITCH BUT IS MORE PROBABLY  
A TIE.  
DECORATION, cf 78.3.16/71 etc.

See over.

In Faculty of Oriental Studies



CAT. NO. 113[C] - CONTINUE -



QI 78.3.19/105 (cam-3522). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.

## CAT. NO. 114[C]

2913

|                      |                                                                              |                                                         |                                                       |
|----------------------|------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|
| DATE 78.3.26<br>TIME | SITE SOUTH RAMPART ST<br>GRID No SECTION A<br>LEVEL 3B-3C<br>DATING R1-334-A | FRAGMENT<br>OF SHOE /<br>SANDAL                         | Probably buried<br>then included<br>REG No.<br>82/606 |
| EXC. No. 24          | PHOTO Nos. None                                                              | MATERIALS LEATHER AND IRON                              |                                                       |
|                      |                                                                              | SIZE LENGTH (PRESERVED) 16.3 cms<br>WIDTH ( - ) 7.5 cms |                                                       |

REAR PART OF LEFT SHOE SOLE.

DOUBLE THICKNESS OF LEATHER, THESE ARE SEWN TOGETHER WITH LEATHER STITCHES ALL AROUND, IN A LINE STRAIGHT DOWN THE MIDDLE AND IN TWO FLANKING LINES FROM THE BACK FOR 8 cms ONLY. THE GAGE STITCHES ARE ALL BROKEN AT THE TOP SO THERE WAS ANOTHER ATTACHMENT, PROBABLY A SHOE UPPER RATHER THAN A 2ND SOLE BECAUSE OF THE SIGNS OF WEAR ON THE PRESENT TOP SOLE SURFACE, AND NO TIE SIGNS.

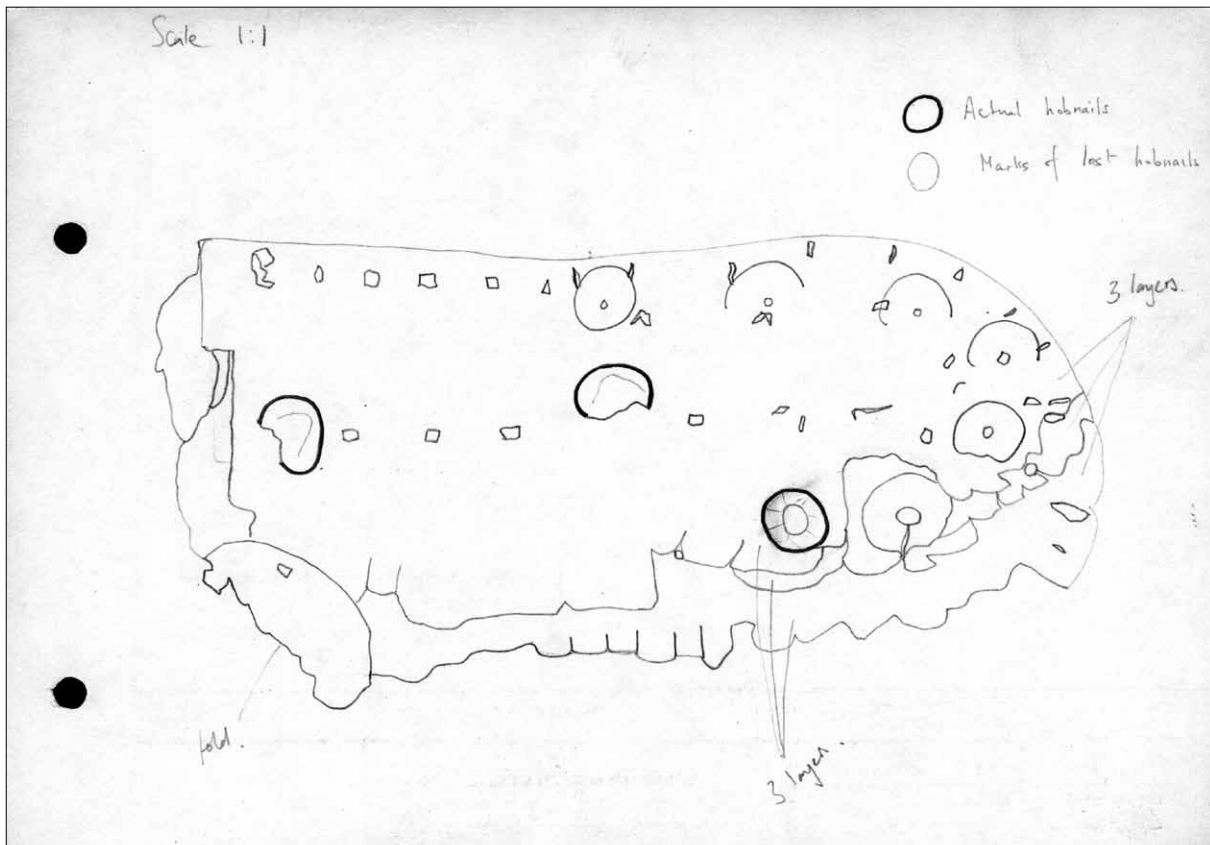
ON UNDERSIDE OF LOWER SOLE 3 HOBNAILS SURVIVE, AND THE MARKS OF 10 MORE, DIA 1.4-1.5 cms. THESE ARE ARRANGED TO COVER THE HEEL SECTION (THE REAR 9 cms), AND ONE IS CLOSE TO THE BREAK, IN THE MIDDLE.

HOLES SHOW THAT SEVERAL CAME THROUGH THE SECOND SOLE - SO PERHAPS THERE WAS A 3RD AND IT TOOK THE TIES.

THERE MAY HAVE BEEN A LINE OF LEATHER STITCHES ALSO ACROSS THE SOLE, AT THE BREAK.

*See over*

*In Faculty of Oriental Studies*



CAT. NO. 114[C] - CONTINUE -

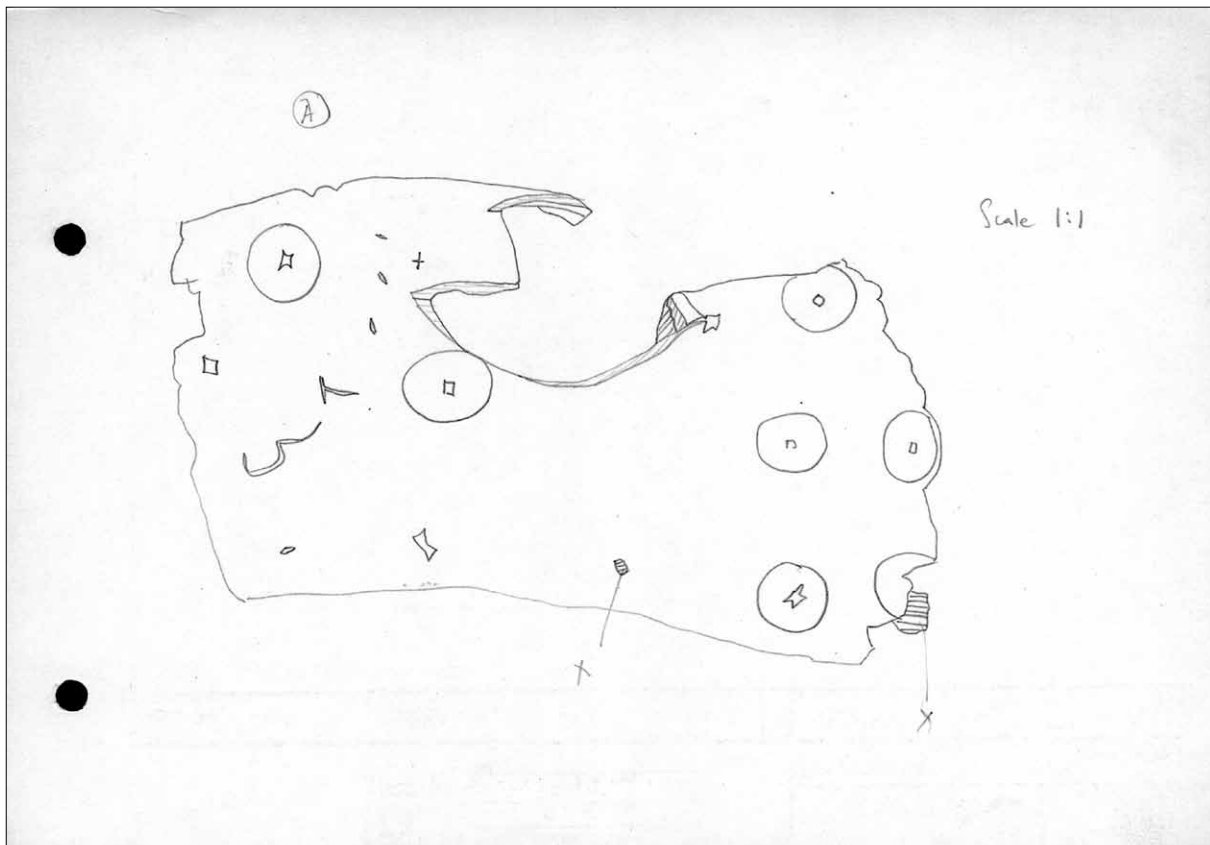


QI 78.3.26/24 (*cam-3509*). Overviews (*dorsal and ventral views*). Scale bar is 50 mm. EES/British Museum, London.



## CAT. NO. 115[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                                                                                                                                                                                                                                                                                                 |                                           |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------|
| 2916                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE 78.3.26<br>TIME   | SITE SOUTH LAMPART-ST<br>GRID No SECTION A<br>LEVEL 2B-3C<br>DATING R1-334-A                                                                                                                                                                                                                    | FRAGMENTS<br>OF SANDALS 78/               | REG No. 460 part |
| EXC. No. 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PHOTO Nos. (A) 78A82/4 | MATERIALS LEATHER (ALSO FLAX)                                                                                                                                                                                                                                                                   | SIZE (A) LENGTH 13.0 cms<br>WIDTH 7.0 cms |                  |
| <p>(A) LOWER OF TWO THICKNESSES OF LEATHER SANDAL SOLE. CENTRAL AREA ONLY, AND THAT IS DAMAGED. A ROW OF STITCH HOLES ALONG EACH SIDE, IN SOME OF THEM REMAINS OF STITCHES OF S-PLY FLAX. THERE ARE WITHIN THE THICKNESS AND ABOVE, NOT SHOWING BELOW, AND WERE FOR AN UPPER SOLE. NAIL MARKS ON UNDERSIDE, IN ROWS OF 3 ACROSS THE SOLE - 2 ROWS, THEN 4.5 CMS GAP, THEN 2 MORE ROWS, OF THE 2ND OF WHICH ONLY 2 MARKS SURVIVE. NAIL DIA 1.4-1.5 CMS.</p> <p>(B) ROUNDED END-FRAGMENT, PROBABLY THE FRONT, OF ONE THICKNESS OF SANDAL SOLE. STITCH-HOLES WITH FRAGMENTS OF LEATHER STITCHES ALL AROUND. THESE PASS RIGHT THROUGH SOLE, BUT NONETHELESS IT LOOKS LIKE A LOWER SOLE. HOLES 1 CM AND 6 CMS FROM FRONT COULD BE TIE-HOLES BUT AT LEAST ONE PROBABLY IS NOT. A FEW ADDITIONAL LEATHER STITCHES CENTRALLY NEAR FRONT. DISTORTED</p> <p>(C) CENTRAL FRAGMENT OF SANDAL SOLE. DOES NOT FIT (B) BUT IS SIMILAR IN STYLE. STITCH HOLES WITH SOME LEATHER STITCHES ALL AROUND, AND DOWN MOST OF</p> |                        | <p>(B) LENGTH 13.0 cms<br/>WIDTH 29.5 cms</p> <p>(C) LENGTH 15.0 cms<br/>WIDTH 29.0 cms</p> <p>THE LENGTH IN THE CENTRE. AS IN (B) THESE COME THROUGH, BUT THE SOLE IS PROBABLY AN UNDERSOLE.</p> <p>SEE OVER.</p> <p>No Photo</p> <p>No Photo</p> <p>(A)(B)(C) Faculty of Oriental Studies</p> |                                           |                  |



CAT. NO. 115[C] - CONTINUE -



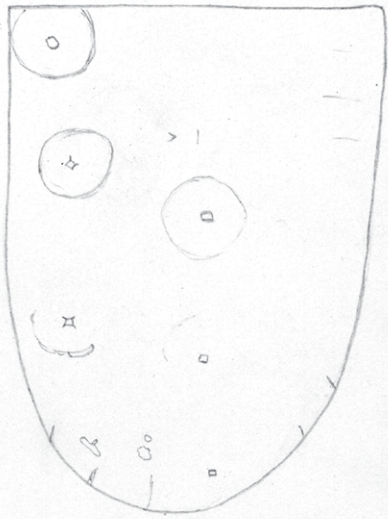
QI 78.3.26/27A (cam-3528). Overviews (ventral and dorsal views). Scale bar is 50 mm. EES/British Museum, London.

## CAT. NO. 116[C]

|                                          |                                                                                                |                                                          |                                              |
|------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| DATE<br>80.1.21                          | UNIT <u>SOUTH RAMPART STREET</u><br>SECTION <u>D</u><br>LEVEL <u>2A UPPER COBBLESTONE FILL</u> | FRAGMENT OF<br>SANDAL                                    | REG. No.<br>80/1053                          |
| Exc No. 121                              | DATE OF LEVEL R2-334-A                                                                         | DATE OF OBJECT ROMAN                                     |                                              |
| PHOTO Nos<br>80F10/17-18<br>80F10/18, 19 |                                                                                                | SIZE<br>LENGTH 8.9 cms<br>WIDTH 6.6 "<br>THICKNESS 0.2 " | MATERIALS<br>LEATHER (ALSO FLAX<br>OR SINEW) |

HEEL OF SANDAL - SOLE, CUT FROM REMAINDER WITH A KNIFE. AROUND THE EDGE RUN HOLES IN THE UPPER PART OF THE THICK LEATHER ONLY, NOT SHOWING BELOW (A COMMON ROMAN TECHNIQUE), IN WHICH SURVIVE REMNANTS OF STITCHES OF SINEW OR VERY COARSE FLAX. THERE WERE FOR ATTACHING ANOTHER THICKNESS OF SOLE.

ON UNDERSIDE, MARKS OF 5 NAILHOLLS AND 2 POSSIBLE OTHERS, WITH SQUARE CENTRAL HOLES, DIA 1.6 CMS. NOTE THESE RUN ALONG CENTRE AND ONE SIDE ONLY (RIGHT SIDE WHEN SOLE CORRECT WAY UP).



Faculty of Oriental Studies

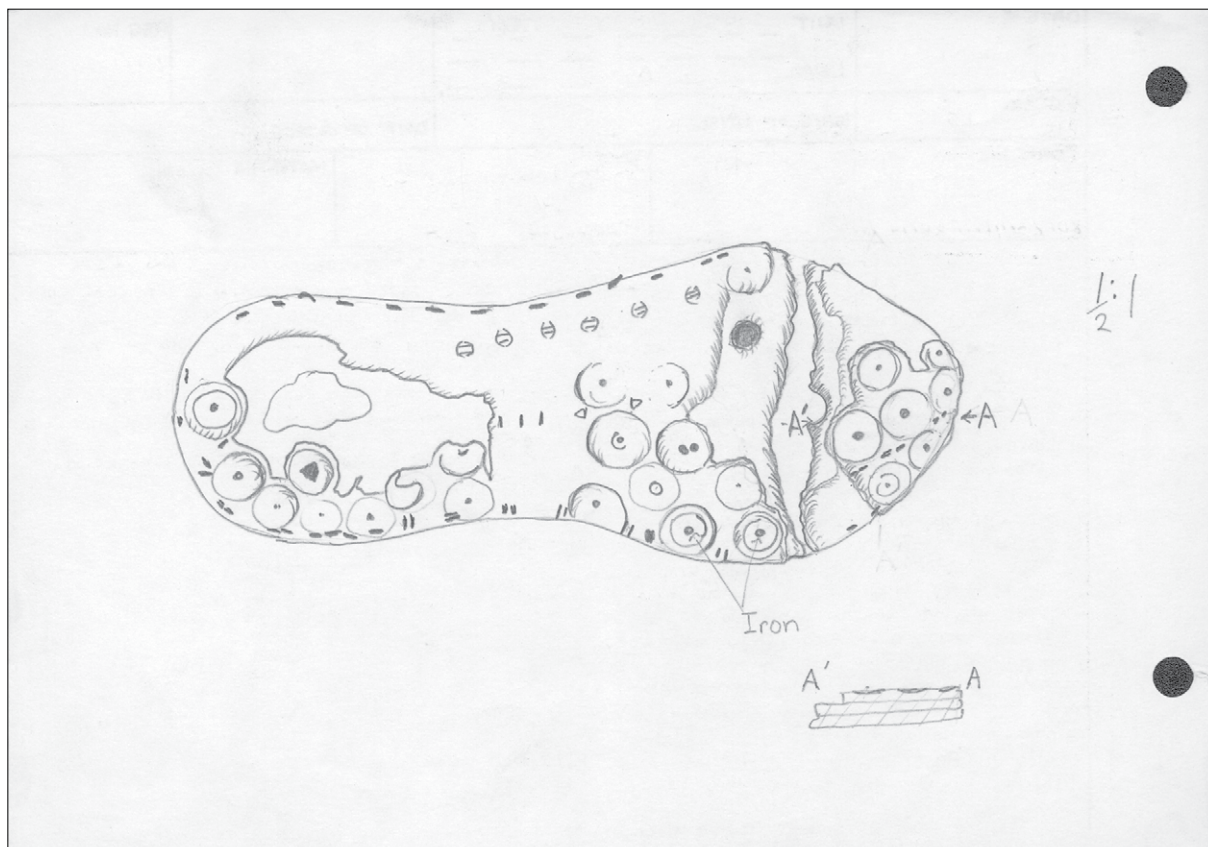


QI 80.1.21/121 (cam-3630). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.



CAT. NO. 117[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                 |                      |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------|----------------------|
| DATE<br>80.1.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | UNIT SOUTH RAMPART STREET<br>LEVEL 3A                                           | SHOE<br>SOLE         | REG. No. (A) 80/1053 |
| EXC. No. 85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DATE OF LEVEL R1-334-A                                                          | DATE OF OBJECT       |                      |
| PHOTO Nos (A) 80F 23 13, 80F 26 19-20<br>(B) 80F 26 19-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SIZE (A) + (B) LENGTH 26.8 cms<br>WIDTH 10.5 "<br>COMBINED SOLE THICKNESS 0.7 " | MATERIALS<br>LEATHER |                      |
| <p>(A) TWO JOINING FRAGMENTS OF A LEFT-FOOT, VERY THICK, HEAVY, DOUBLE THICKNESS* SHOE SOLE. VIRTUALLY COMPLETE BUT FOR WEAR-HOLES UNDER BALL AND HEEL.</p> <p>NOTE CHARACTERISTIC SHAPING AT FRONT END, THOUGH LESS MARKED THAN USUAL, cf SANDALS 78.3.23/56, 22/72, 20/12.</p> <p>NOTE PRESENT SHOE HAS NO STAMPED DESCRIPTION OF THE TYPE ON THESE SANDALS.</p> <p>SOLES JOINED BY THREE LONGITUDINAL LINES OF LEATHER STITCHES IN CENTRAL AREA, STITCHES MADE AT AN ANGLE SO AS TO BE SMALL BOTH ABOVE AND BELOW. CONTINUOUS LINE OF STITCHING ALL AROUND THE EDGE FULFILLS SAME FUNCTION, BUT SINCE ALL THE STITCHES HERE ARE BROKEN ON TOP IT IS ASSUMED THEY ALSO ATTACHED UPPERS. THEY ARE ALSO MUCH SHORTER, BEFITTING STITCHES WITH 3 THICKNESSES TO PASS THROUGH.</p> <p>UNDERSIDE IS CLOSELY PATTERNED WITH HORNAIL MARKS, DIA. (AS USUAL) ABOUT 1.5 cms PART OF THE LOWER SOLE THICKNESS IS</p> <p>LOST, BUT THERE SURVIVE 3 ON REAR EDGE, THREE MORE DOWN LEFT REAR EDGE, 8 ON BALL OF FOOT (LEFT SIDE) AND AT LEAST 4 AT FRONT END. 2 RETAIN SHANKS.</p> <p>*AT FRONT AND REAR ENDS, A THIRD THICKNESS IS SANDWICHED IN, TO TAKE THE HORNAILS.</p> <p>A VERY STURDY, HEAVY, SHOE. WHAT WERE THE UPPERS LIKE?</p> <p>(A) 2 Faculty of Oriental Studies</p> |                                                                                 |                      |                      |



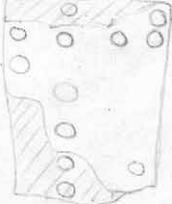
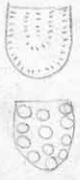


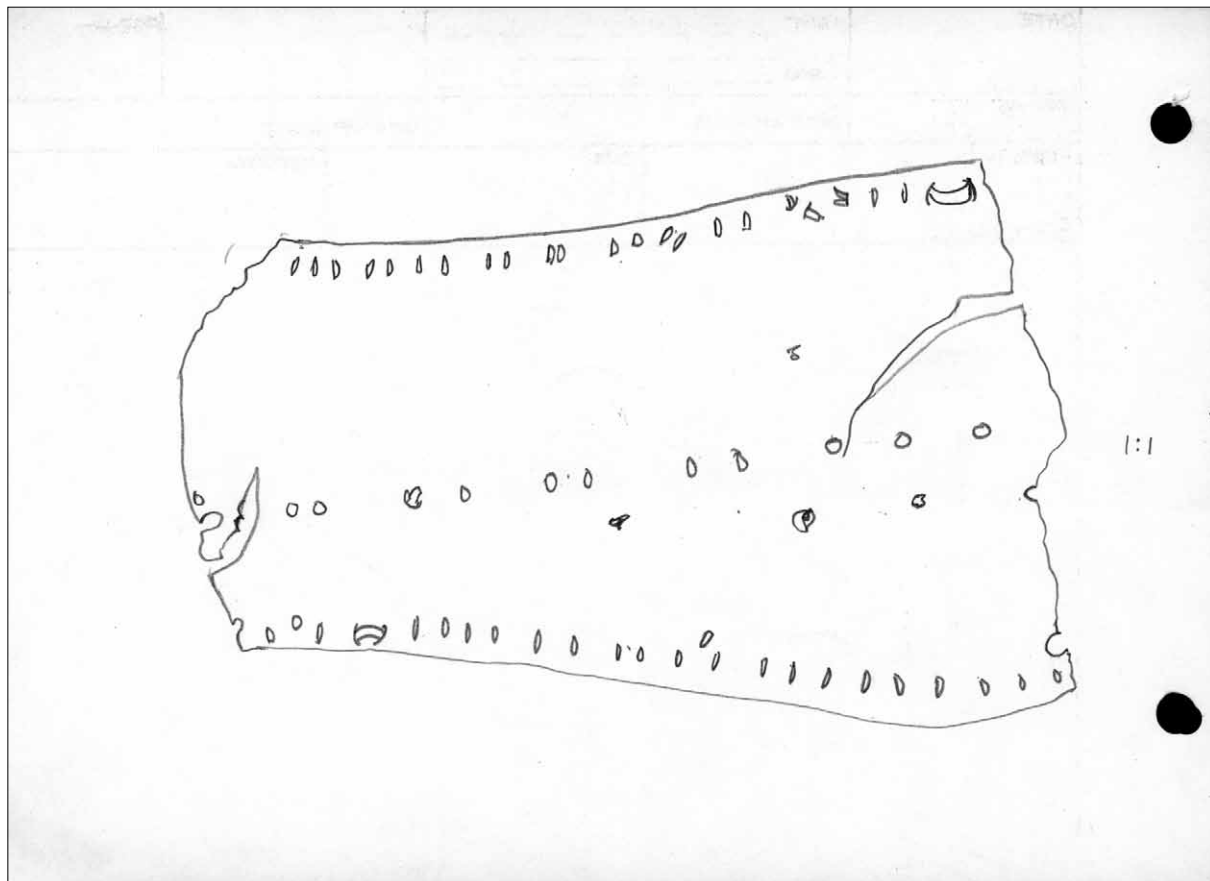
CAT. NO. 117[C] - CONTINUE -



QI 80.1.31/85 (cam-3701). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.

CAT. NO. 118[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                                                                                          |                         |
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| DATE<br>80.2.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UNIT SOUTH RAMPART STREET<br>LEVEL 3B | FRAGMENTS OF<br>SHOES/SANDALS                                                            | REG. NO. ABC<br>80/1053 |
| EXC. NO. 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DATE OF LEVEL R1-334-A                | DATE OF OBJECT                                                                           |                         |
| PHOTO Nos<br>80F41/19<br>80F40/21,22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       | SIZE<br>(A) LENGTH 15.7 CMS. WIDTH 9.5 CMS<br>(B) " 7.3 " " 6.4 "<br>(C) " 9.2 " " 5.8 " | MATERIALS<br>LEATHER    |
| <p>(A) PROBABLY FROM A SANDAL.</p> <p>CENTRAL PART OF DOUBLE THICKNESS OF SOLE OF RIGHT FOOT. BOTH THICKNESSES STOUT LEATHER.</p> <p>ORIGINAL ROWS OF STITCH-HOLES ALONG CENTRE AND BOTH EDGES, FRAGMENTS OF LEATHER STITCHES IN. ALSO LARGER HOLES AND LARGER STITCHES ALONG EDGES ONLY, PROBABLY A REPAIR.</p> <p>LOWER THICKNESS, UNDERSIDE (MUCH DAMAGED) RETAINS IMPRESSIONS/HOLES FROM SEVERAL HOBNAILS. DISCERNIBLE PATTERN (FROM BELOW)</p>  <p>NOT TO SCALE.</p> <p>SHADED AREA RETAINS UPPER THICKNESS ONLY BUT SOME IMPRESSIONS DISCERNIBLE.</p> <p>HOBNAIL IMPRESSION 1.4 - 1.6 CMS DIA.</p> <p>(A)(B)(C) In Faculty of Oriental Studies</p>                                                    |                                       |                                                                                          |                         |
| <p>(B) HEEL END OF SIMILAR BUT UNUSUALLY SMALL SOLE, LOWER THICKNESS. EVEN ALLOWING FOR SLIGHT CURLING, REMARKABLY NARROW AND WOULD BE THOUGHT A CHILD'S, BUT FOR HOBNAIL IMPRESSIONS. CHILDREN WITH THE ARMY?</p> <p>PROBABLY NOT A SEPARATE HEEL BUT BROKEN OFF.</p> <p>STITCH HOLES WITH LEATHER STITCH-FRAGMENTS ALL AROUND EDGES, DOWN CENTRE, AND IN LINE PARALLEL TO EDGE THUS</p>  <p>UNDERSIDE SHOWS HOBNAIL IMPRESSIONS (DIA. 1.1 - 1.3 CMS, UNUSUALLY SMALL) THUS, CLUSTERED VERY THICKLY.</p> <p>NOT TO SCALE</p> <p>(C) FRAGMENT, PROBABLY FROM COVIER PART OF SIMILAR SOLE. STITCH HOLES WITH LEATHER STITCH-FRAGMENTS, AND ONE SINGEL STITCH. NO OTHER FEATURES.</p> <p>(B)(C) NOT DRAWN</p> |                                       |                                                                                          |                         |



CAT. NO. 118[C] - CONTINUE -



QI 80.2.6/121A (cam-3681). Overviews (ventral and dorsal views). Scale bar is 50 mm. EES/British Museum, London.



QI 80.2.6/121B (cam-3680). Overviews (dorsal and ventral views). Scale bar is 50 mm. EES/British Museum, London.

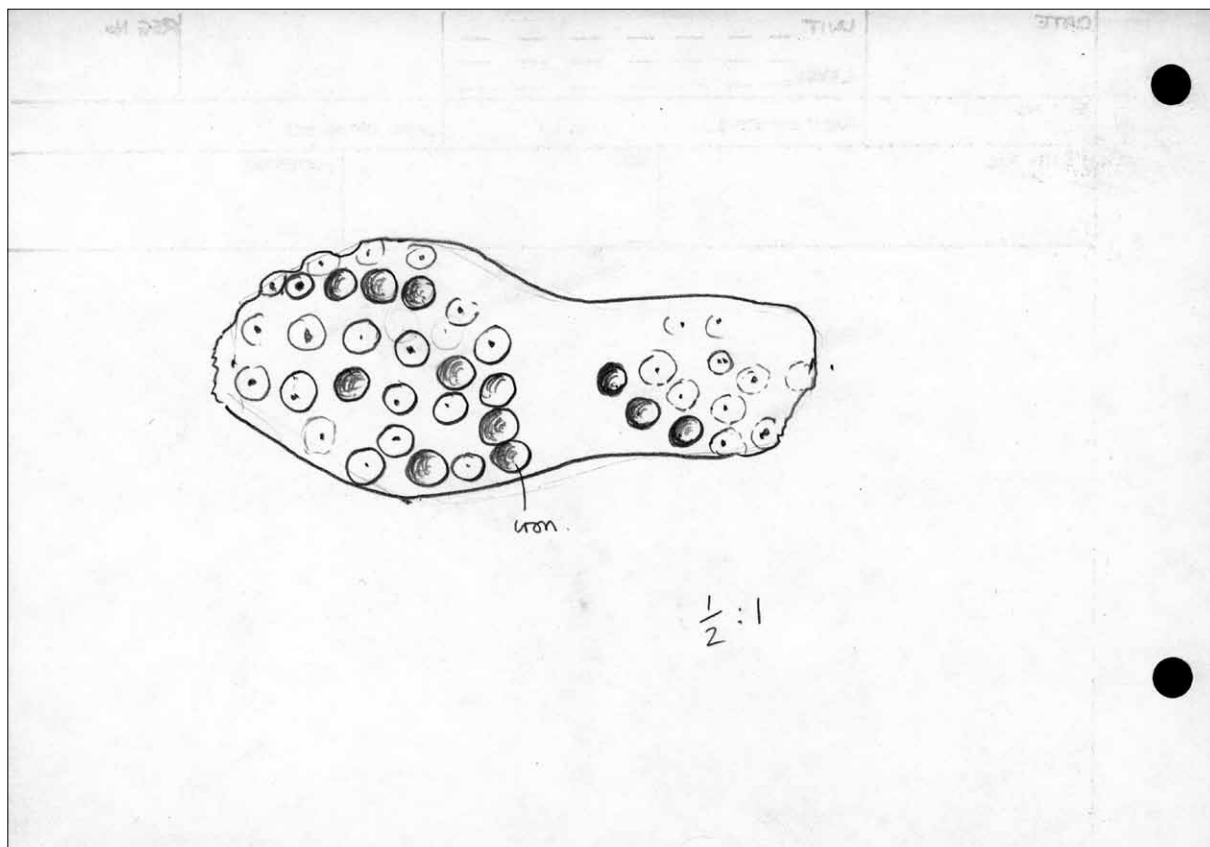


QI 80.2.6/121C (cam-3256). Overviews (ventral and dorsal views). Scale bar is 50 mm. EES/British Museum, London.



CAT. NO. 119[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                        |                                           |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------|----------------------------------|
| DATE<br>80.2.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UNIT SOUTH RAMPART STREET<br>LEVEL 3C                                  | FRAGMENTS OF SHOES<br>80/80               | REG No.<br>(A) 1017<br>(BC) 1053 |
| EXC No. 132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DATE OF LEVEL R1-334-A                                                 | DATE OF OBJECT                            |                                  |
| PHOTO Nos<br>80F100/27946, 2846p<br>A-80F100/39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SIZE LENGTH WIDTH (cms)<br>(A) 20.5 9.1<br>(B) 17.2 4.5<br>(C) 8.8 5.8 | MATERIALS<br>LEATHER (ALSO IRON AND FLAX) |                                  |
| <p>(A) LOWER THICKNESS SOLE, PROBABLY FROM SHOE OF TYPE OF 80.1.23/64 (?) COMPLETE BUT FOR DAMAGE AT REAR. RIGHT FOOT. ALL AROUND EDGE, IN LEATHER THICKNESS, STITCH FRAGMENTS OF FLAX. UNDERSIDE RETAINS 13 HOBNAILS, RATHER CORRODED, USUAL TYPE, DIA 1.1 - 1.3 CMS, AND IMPRESSIONS OF ABOUT 30/31 OTHERS, VERY THICKLY CLUSTERED EVERYWHERE EXCEPT UNDER ARCH.</p> <p>(B) FRONT LEFT SIDE OF SIMILAR LOWER THICKNESS SOLE. IN THE THICKNESS, STITCH FRAGMENTS OF S-PLY FLAX. NOT HOBNAILLED.</p> <p>(C) FRAGMENT OF SIMILAR, PROBABLY NEAR ONE, ONE EDGE, WHICH RETAINS FRAGMENTS OF (PROBABLY) FLAX. AGAIN IN THE THICKNESS. CUT SHORT FOR RE-USE.</p> <p>(A)(B)(C) In Faculties 2) One of the shoe</p> |                                                                        |                                           |                                  |





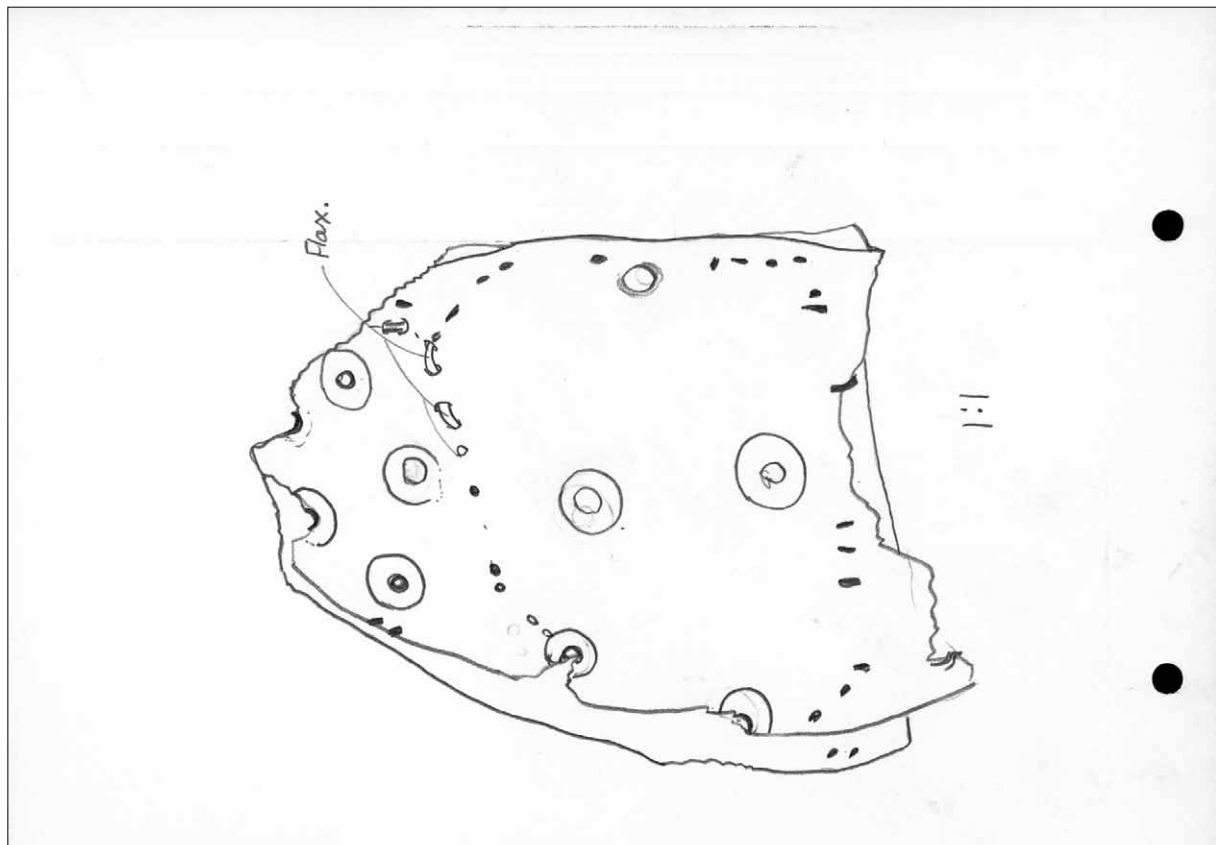
CAT. NO. 119[C] - CONTINUE -



QI 80.2.7/132A (cam-3602). Overviews (ventral and dorsal views). Scale bar is 50 mm. EES/British Museum, London.

CAT. NO. 120[C]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |                                  |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------|----------------------------|
| DATE<br>84.1.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UNIT<br>PIT 928                          | FRAGMENT OF<br>SANDAL            | REG. NO.<br>Buried on site |
| EXC. NO.<br>28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LEVEL<br>9?                              | DATE OF LEVEL<br>M1-928-P        | DATE OF OBJECT<br>ROMAN    |
| PHOTO NOS.<br>84 F24/5-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SIZE<br>LENGTH 11.0 cms<br>WIDTH 9.3 cms | MATERIALS<br>LEATHER (ALSO FLAX) |                            |
| <p>FRONT END OF ROMAN MILITARY SANDAL.</p> <p>TWO THICKNESS OF STOUT, PROBABLY 100% TILM, LEATHER SOLE, SEWN TOGETHER WITH FAIRLY LONG LEATHER STITCHES WHICH GO THROUGH TO UNDERSIDE. THEY RUN AROUND PERIMETER AND ACROSS NEAR BREAK, THAT THESE ARE SECONDARY IS SUGGESTED BY THEIR CRUDITY AND THE FACT THAT THEY SHOW ABOVE (UNCOMFORTABLE!). THAT THEY JOINED ONLY THERE TWO IS PROBABLY BY THEIR BEING UNBROKEN ABOVE AND BY THE STUO IMPRESSIONS BELOW. A REMNANT OF SINEW (?) IS PROBABLY AN ORIGINAL STITCH.</p> <p>SEMI-CIRCLE OF STITCHES OF S-PLY FLAX SHOW THERE WAS A PATCH BELOW (LOST).</p> <p>ON UNDERSIDE, IMPRESSION MARKS OF STUDS, DIA 1.1 cms.</p> |                                          |                                  |                            |



## CAT. NO. 121[C]

|                                                          |                          |                         |                               |
|----------------------------------------------------------|--------------------------|-------------------------|-------------------------------|
| DATE<br>85.12.20                                         | UNIT<br>1043 ROOM        | FRAGMENT OF<br>SANDAL   | REG. NO.                      |
| EXC. NO.<br>335                                          | LEVEL<br>1               | DATE OF OBJECT<br>ROMAN |                               |
| PHOTO NOS.<br>INF 113/16A-17A (Top right)<br>88F 13/9-10 | DATE OF LEVEL<br>"PTOL?" | SIZE<br>8.7 x 6.5 cms   | MATERIALS<br>LEATHER AND FLAX |

FOUND 15.1.1954  
FRAGMENT OF STOUT LEATHER (0.2-0.25)  
IMPRESSIONS OF 7 STUDS OF DIA 1.1 - 1.3 CMS  
TUNNEL STITCHED AROUND THE ORIGINAL  
EDGE, THICK STITCHES OF FLAX, UNRAVISED.  
LEGIONARY SANDAL FRAGMENT, LEATHER SOLE

1:1 curling straightened, attempt made  
to correct for its distortion & place  
the studs correctly.

Under side

edge

Under side

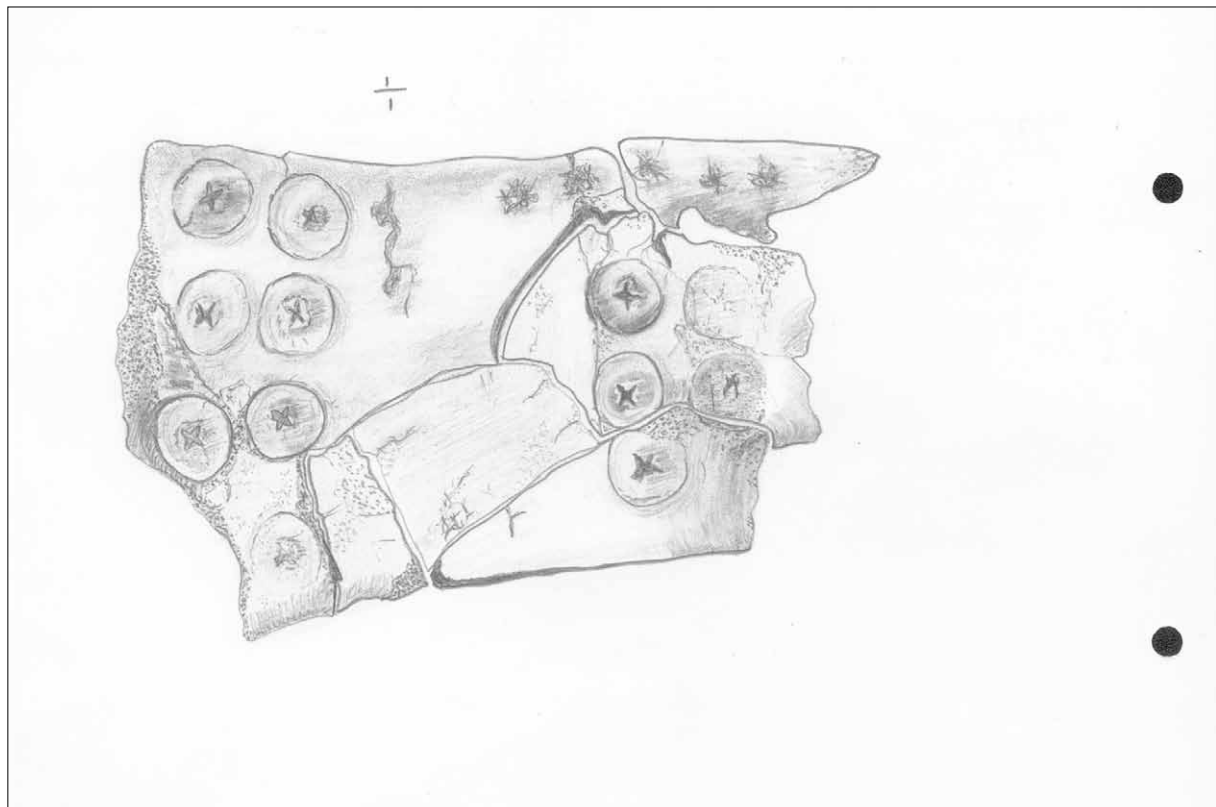
Sewing (not to  
scale)

inner this drawing!

STITCHES AND TUNNELS 1.0-2.0 CMS  
LONG, SHORTENING AT CURVE.

CAT. NO. 122[C]

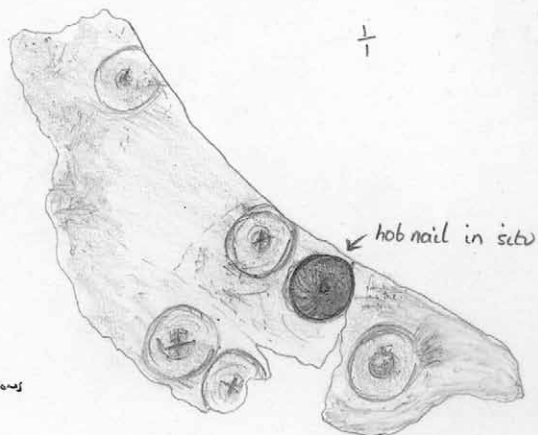
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                                                                                 |                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------|----------------------------------|
| DATE<br>89.12.28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UNIT<br>12.028 | FRAGMENTS of<br>SANDAL                                                          | REG. NO.                         |
| EXC. NO.<br>56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DATE OF LEVEL  | DATE OF OBJECT<br>Roman                                                         |                                  |
| PHOTO NOS.<br>(A-G) 90F34/2A-3A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | SIZE<br>(A-F) LENGTH 12.6 cms<br>WIDTH 9.0 cms<br>(G) LENGTH 3.4, WIDTH 1.4 cms | MATERIALS<br>LEATHER (MISS IRON) |
| <p>SF 1045 PART</p> <p>(A-F) JOIN TO MAKE CENTRAL AREA OF SANDAL<br/>SOLE. (G) IS SMALL DETACHED PIECE, PROBABLY<br/>SAME SOLE.</p> <p>FAIRLY THICK TANNED LEATHER, SINGLE THICKNESS.<br/>RETAINS AN UNUSUAL PATTERN OF HOLES,<br/>EACH APPROX CIRCULAR, DIA 1.3-1.5 CMS, HOLE<br/>IN CENTRE 1/2 FROM SPANK. ONE HOLE STUMP, CORRODED</p> <p>BRITTLE FROM EXPOSURE TO WATER, THE REASON<br/>IT BROKE UP. HOWEVER, FULL WIDTH IS PRESERVED.</p> <p>ALONG THE EDGES, UPPER SURFACE, LONGITUDINAL<br/>TUNNEL-STITCH HOLES; NO STITCHES SURVIVE.</p> <p>of 89.12.31/19, AND OTHERS IN EARLIER SEASONS.<br/>(AB)</p> <p style="text-align: right;">(drawing on reverse)</p> |                |                                                                                 |                                  |





## CAT. NO. 123[C]

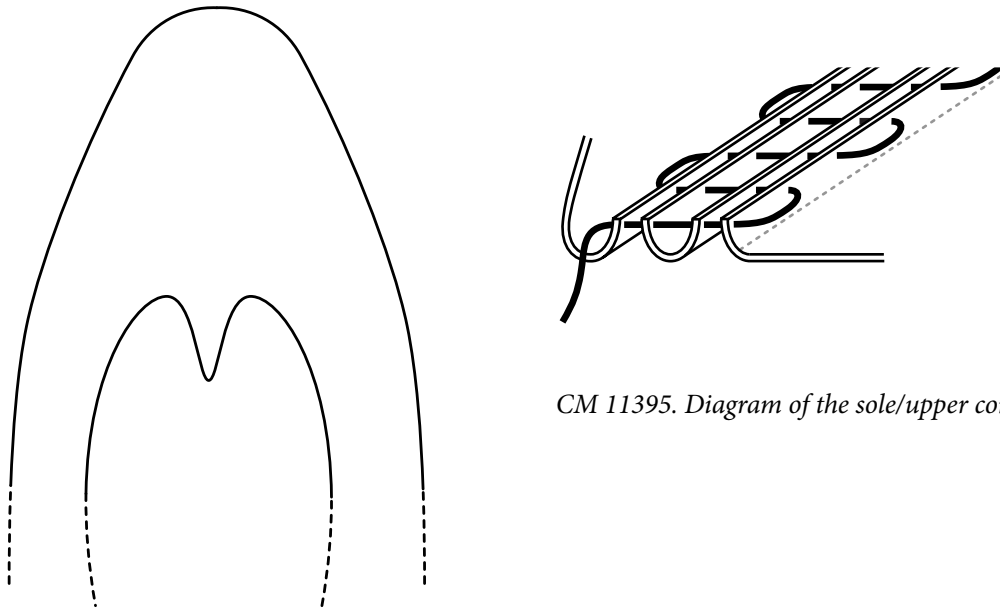
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                            |                                  |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------|----------|
| DATE<br>89.12.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UNIT<br>12.031                                             | FRAGMENT OF<br>SANDAL            | REG. NO. |
| EXC. NO.<br>19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DATE OF LEVEL                                              | DATE OF OBJECT<br>ROMAN          |          |
| PHOTO NOS.<br>(AB) 90F34/4A-SA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SIZE<br>(A+B) PRES. LENGTH 10.7 cms<br>PRES. WIDTH 3.7 cms | MATERIALS<br>LEATHER (ALSO IRON) |          |
| <p>(A+B) NO JOINING FRAGMENTS OF SANDAL SOLE.<br/>SINGLE, MEDIUM THICKNESS LEATHER SOLE<br/>ONE FRAGMENT (A) RETAINS A COMPLETE<br/>HOBNAIL (DIA 1.6 cms) AND SEVERAL IMPRINTS<br/>FROM OTHERS; OTHER FRAGMENT (B) WAS SMALL<br/>PART OF ONE.</p> <p>THE SURVIVOR IS DOTTED, ALMOST CERTAINLY<br/>HOLLOW HEADS, PROBABLY SQUARE SHANKED,<br/>AND CONSIDERABLY CORRODED.</p> <p>ALONG THE SURVIVING EDGE, TUNNEL-STITCH<br/>HOLES; NO STITCHES SURVIVE.</p> <p>cf 89.12.28/56 (A-G), AND OTHERS IN EARLIER SECTIONS</p> |                                                            |                                  |          |



CAT. NO. 124



CM 11395. Overviews (medial and lateral views). Scale bar is 50 mm. Coptic Museum, Cairo.



CM 11395. Diagram of the sole/upper construction.

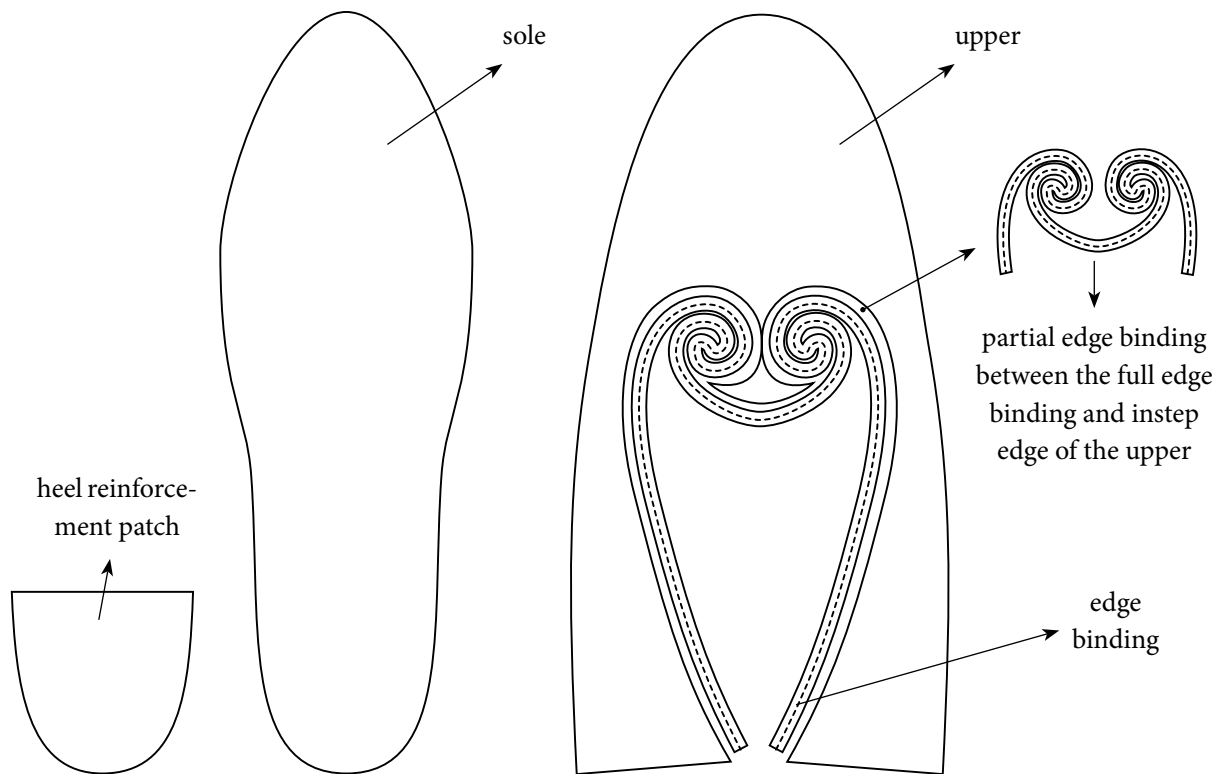
CM 11395. Cutting pattern. The heel has fallen apart, not allowing identification of the construction.

CAT. NO. 125

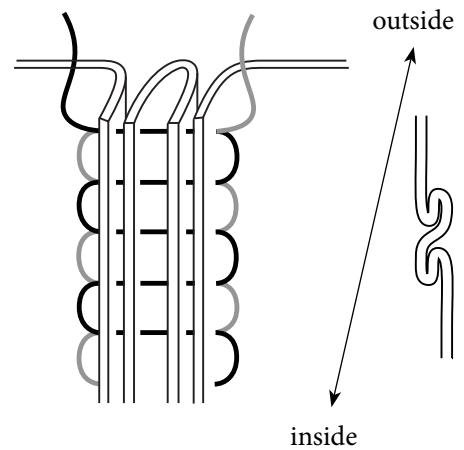
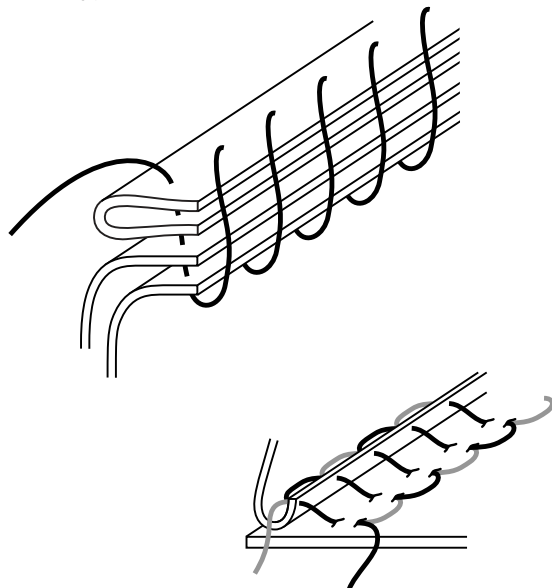


CM 2162. Overviews (from left to right and top to bottom: lateral, dorsal, medial and back views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 125 - CONTINUE



CM 2162. Cutting pattern.



CM 2162. Diagram of the back seam, with right the way the passepoil is curled decoratively

CM 2162. Top: Diagram of the edge binding; Bottom: Diagram of the sole/upper construction.



CAT. NO. 126

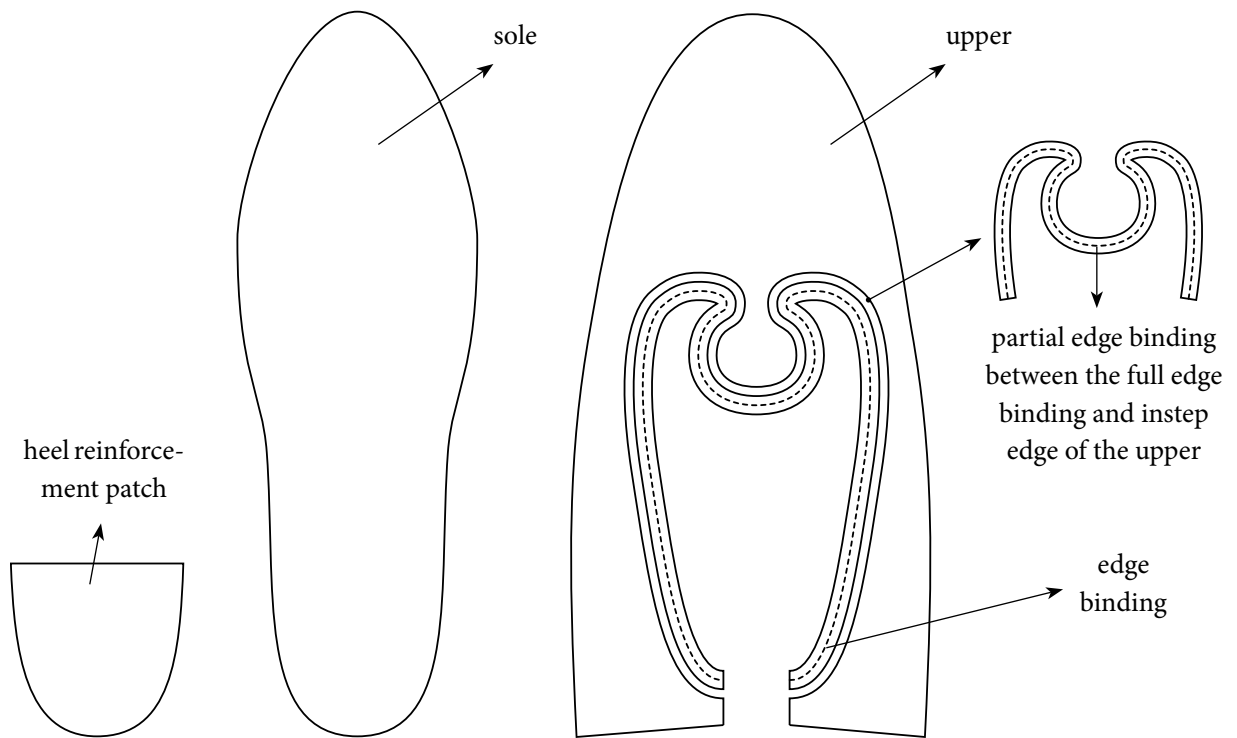


CM 2173. Overviews of vamp with part of the sole (dorsal and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.

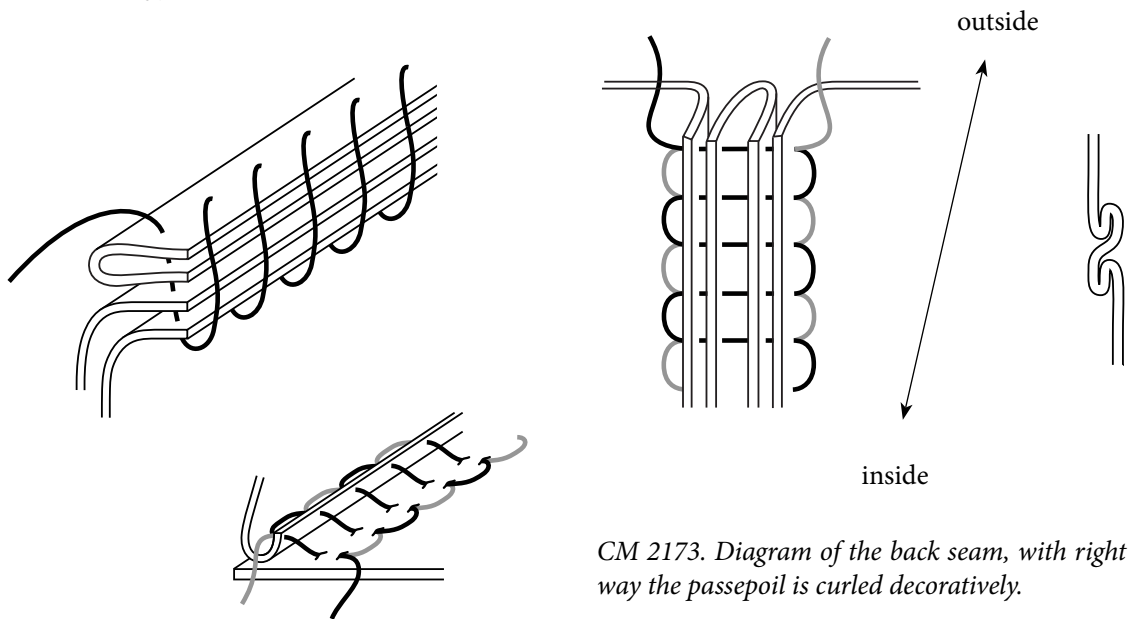


CM 2173. Top left: Detail. Inner surface of the vamp leather, showing small reinforcement patches; Top centre, right and bottom: Overviews back half (dorsal, side and back views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 126 - CONTINUE



CM 2173. Cutting pattern.



CM 2173. Top: Diagram of the edge binding; Bottom: Diagram of the sole/upper construction.

CAT. NO. 127



CM 2155. Overviews (left to right and top to bottom: dorsal and ventral views of each shoe respectively; back view).  
Scale bar is 50 mm. Coptic Museum, Cairo.



CAT. NO. 127 - CONTINUE



CM 2155. Detail of the sole/upper construction (see diagram below). Scale bar is 10 mm. Coptic Museum, Cairo.



CM 2155. Detail of the inner reinforcement of the heel. Scale bar is 10 mm. Coptic Museum, Cairo.



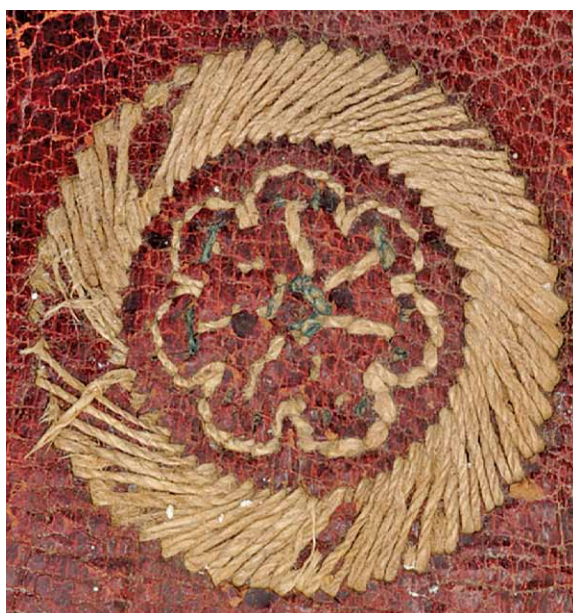
CM 2155. Overview of the edge binding (see diagram below). Scale bar is 10 mm. Coptic Museum, Cairo.



CM 2155. Detail of the vamp extension. Scale bar is 10 mm. Coptic Museum, Cairo.

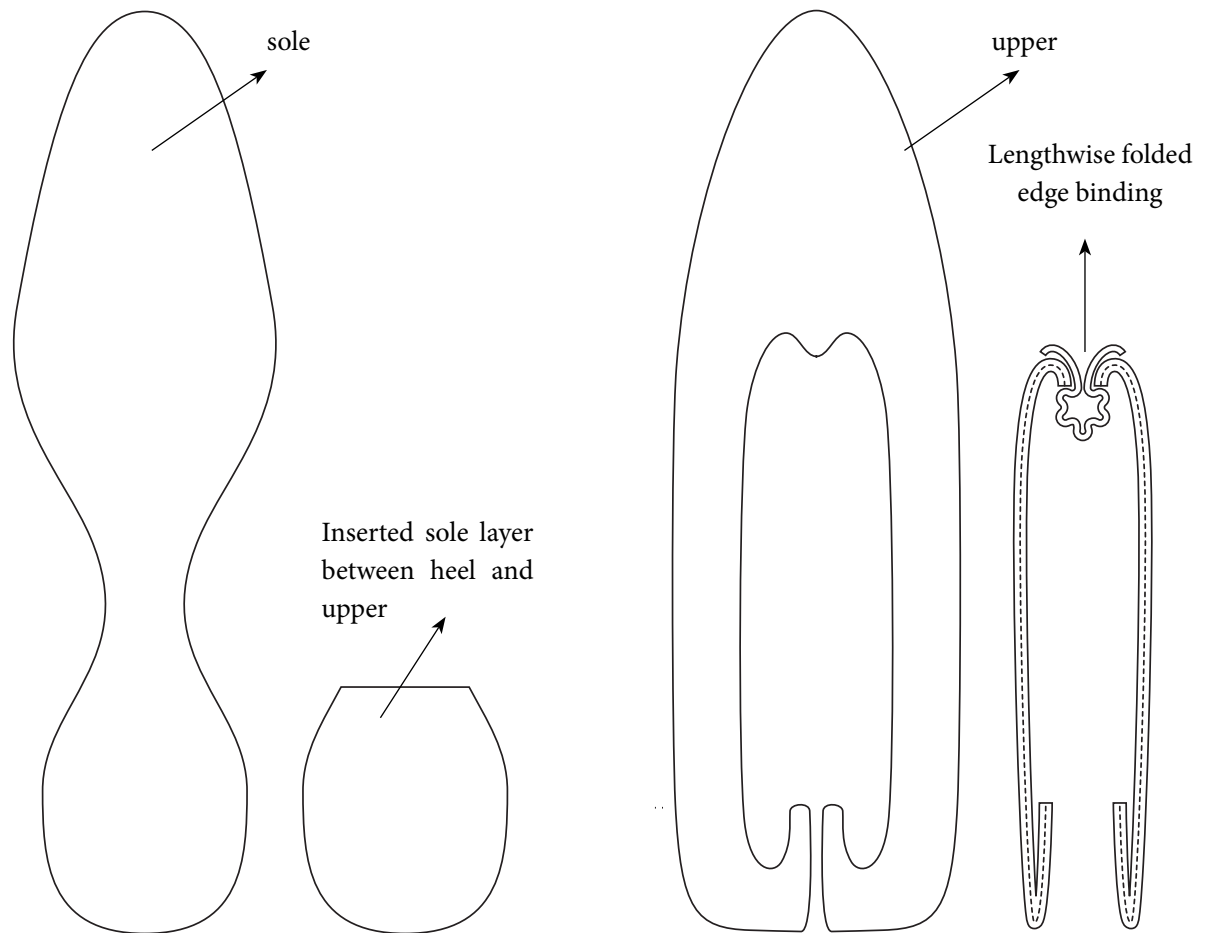


CAT. NO. 127 - CONTINUE

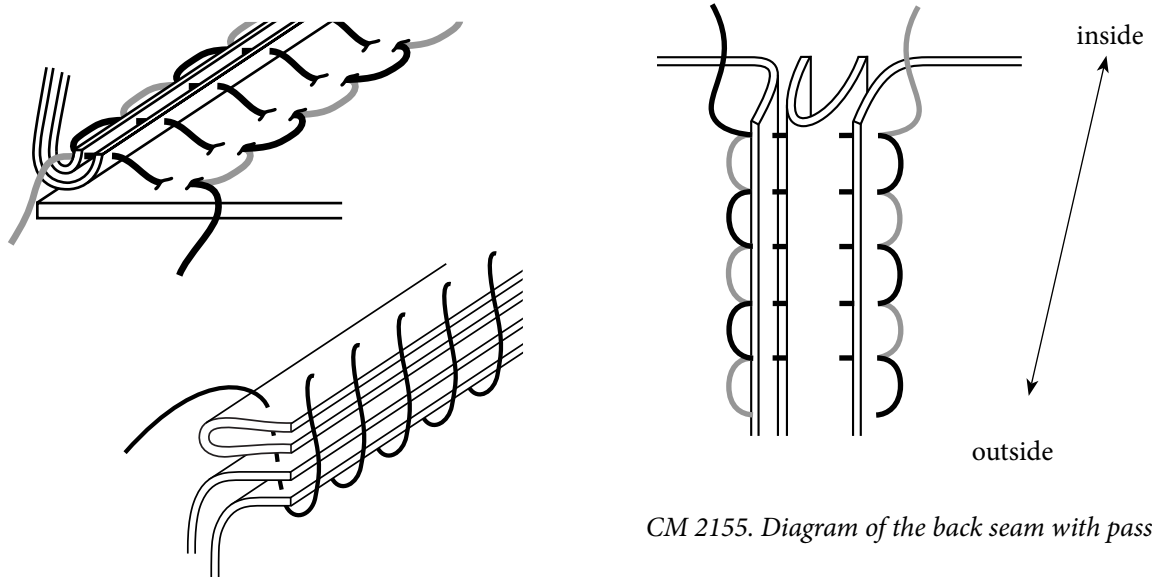


*CM 2155. Detail of the embroidery on the vamp. Scale bar is 10 mm. Coptic Museum, Cairo.*

CAT. NO. 127 - CONTINUE



CM 2155. Cutting pattern. Note that the lining, of the same shape as the upper, has not been illustrated.



CM 2155. Diagram of the back seam with passepoil.

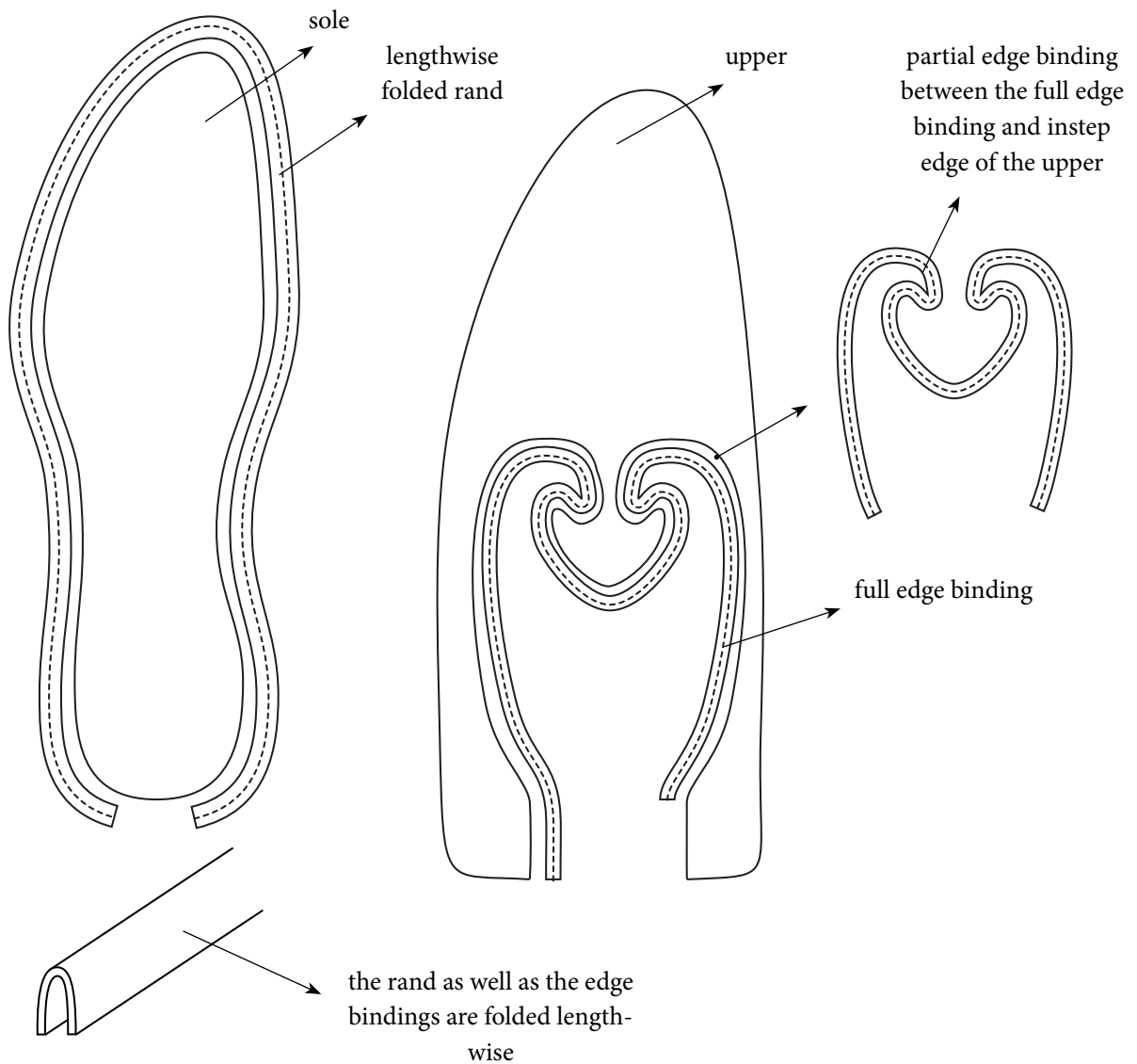
CM 2155. Top: Diagram of the sole/upper construction; Bottom: Diagram of the edge binding.

CAT. NO. 128[C]

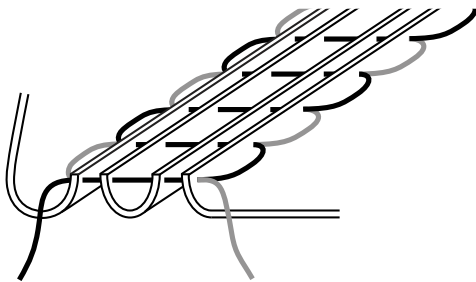


EA 53917. Overview (dorsal and ventral views). Scale bar is 50 mm. Photographs by A. 't Hooft. British Museum, London

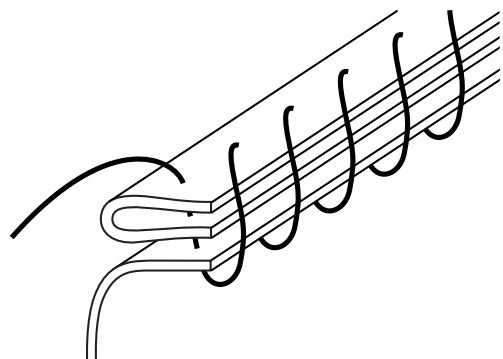
CAT. NO. 128[C]



EA 53917. Cutting pattern.



EA 53917. Diagram of the sole/upper construction.



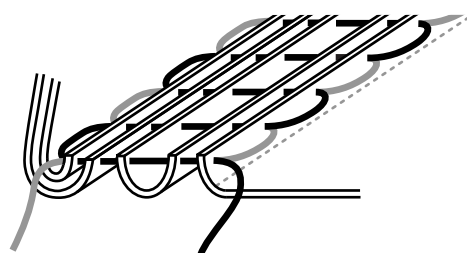
EA 53917. Diagram of the edge bindings.



CAT. NO. 129[C]



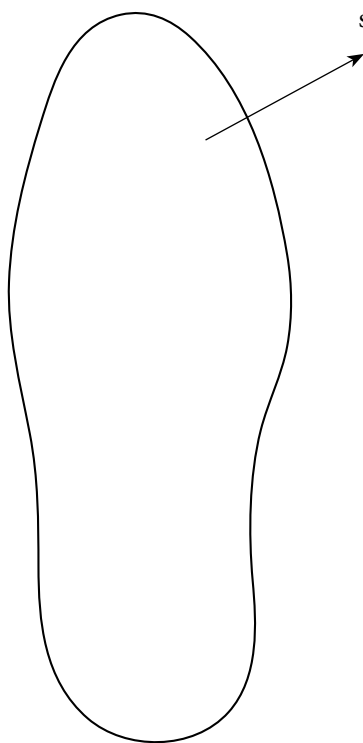
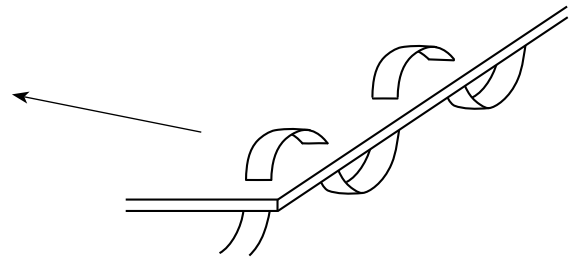
EA 4416. Overview (dorsal and ventral views). Scale bar is 50 mm. Photographs by A. 't Hooft. British Museum, London.



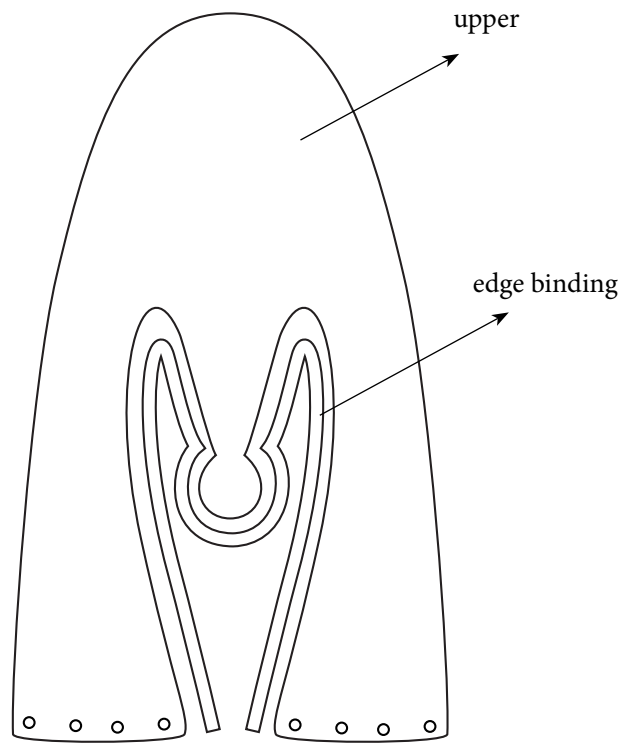
EA 4416. Diagram of the sole/upper construction.

CAT. NO. 129[C] - CONTINUE

Decorative sewing with strip of leather in circular appliqué at vamp (not illustrated; see photo previous page)



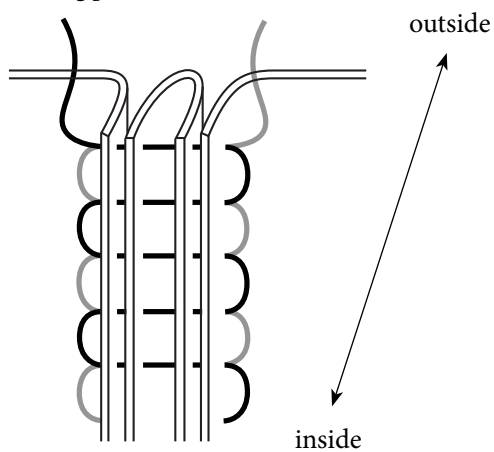
sole



upper

edge binding

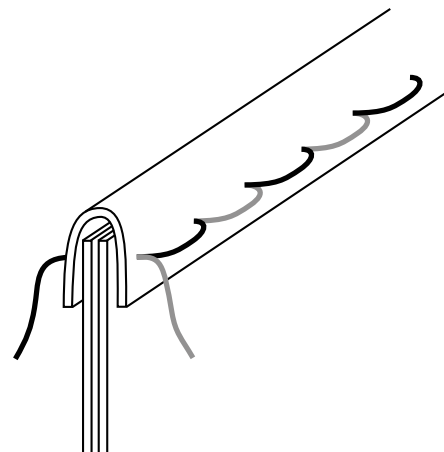
EA 4416. Cutting pattern.



outside

inside

EA 4416. Diagram of the back seam.



EA 4416. Diagram of the edge binding.

CAT. NO. 130



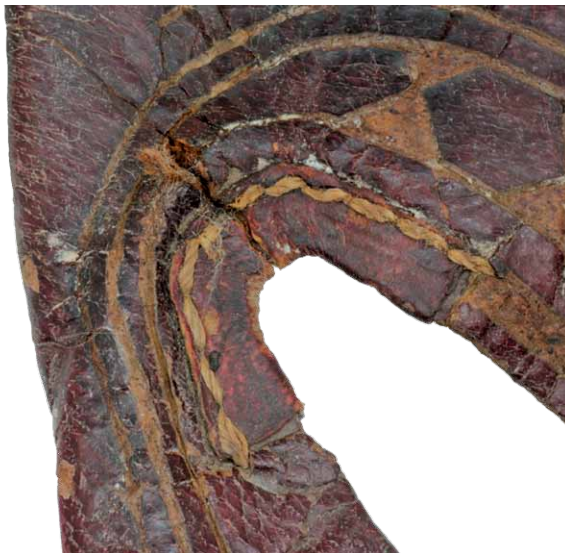
CM 2159. Overview (from left to right and top to bottom: dorsal and ventral views of the left and dorsal and ventral views of the right shoe, back view). Scale bar is 50 mm. Photographs by A. 't Hooft. Coptic Museum, Cairo.



CAT. NO. 130 - CONTINUE



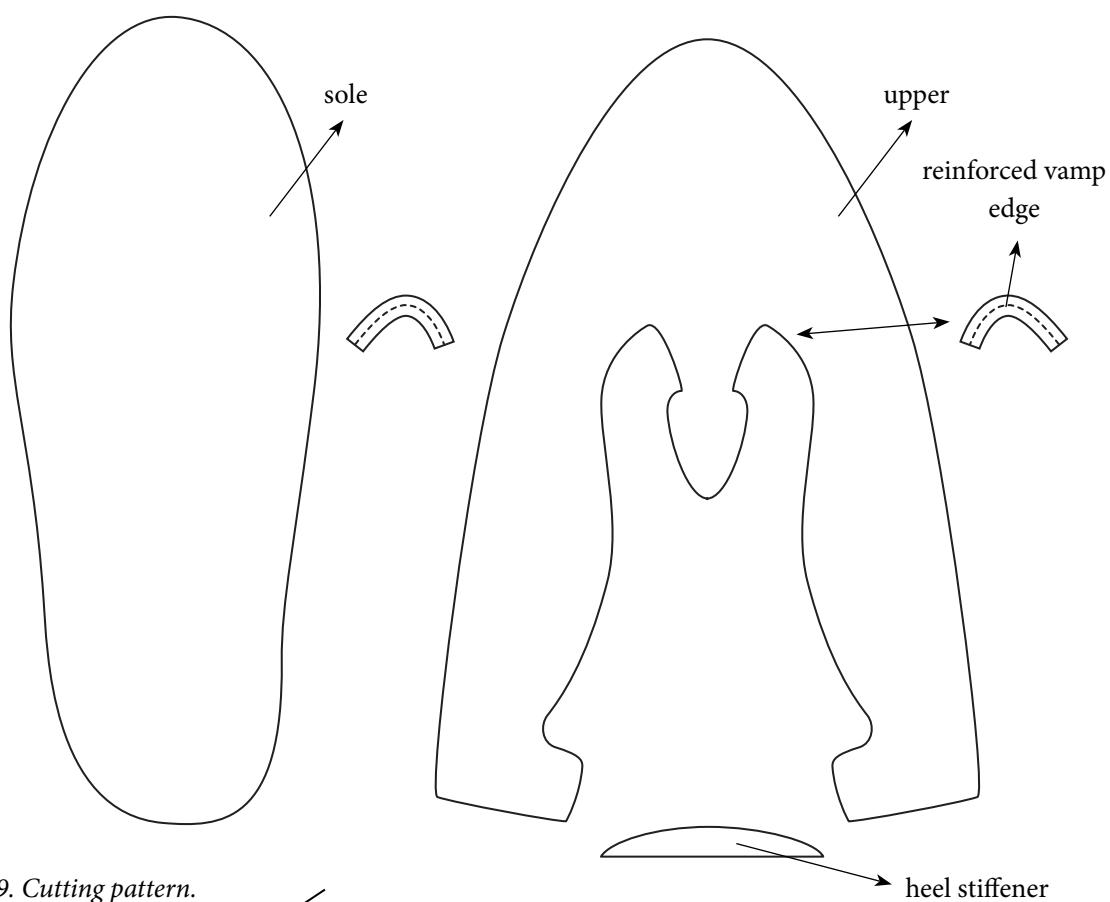
CM 2159. Details of the decoration. Scale bar is 10 mm. Coptic Museum, Cairo.



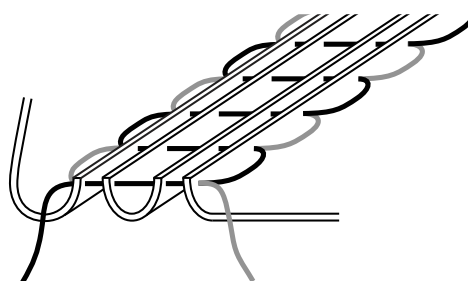
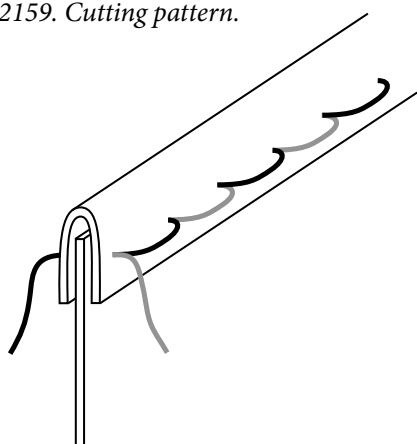
CM 2159. Details of the reinforced edge of the vamp (outer and inner surface respectively). Scale bar is 10 mm. Coptic Museum, Cairo.



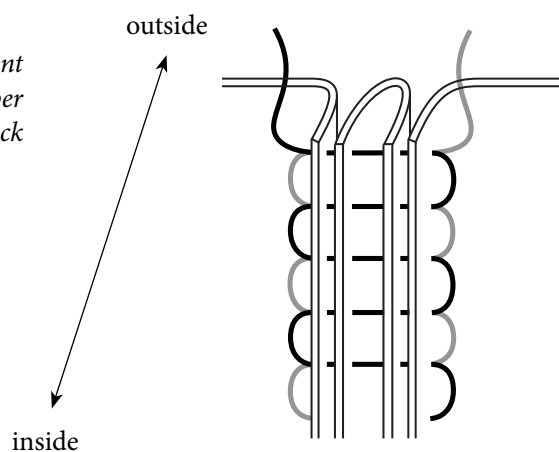
CAT. NO. 130 - CONTINUE



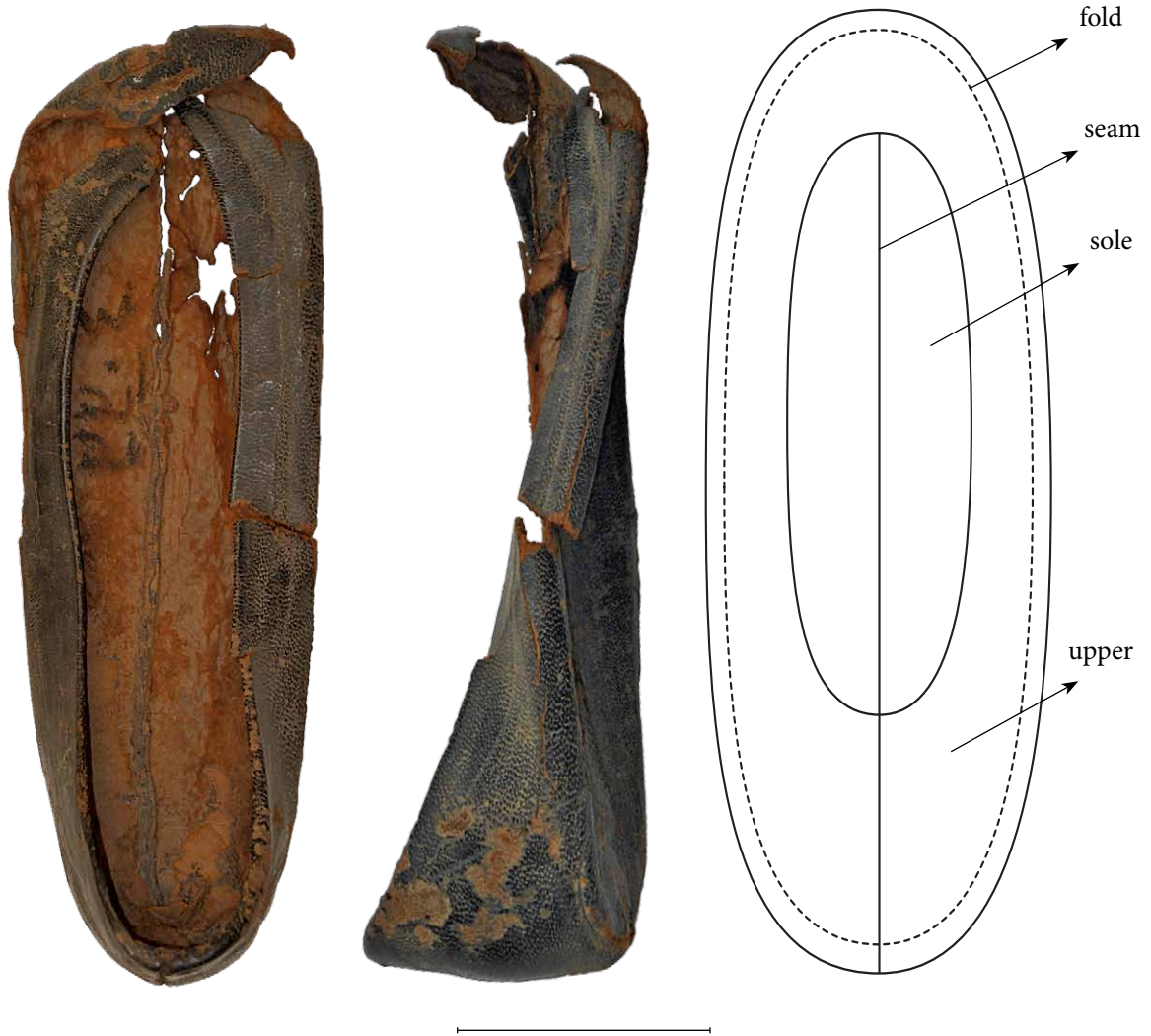
CM 2159. Cutting pattern.



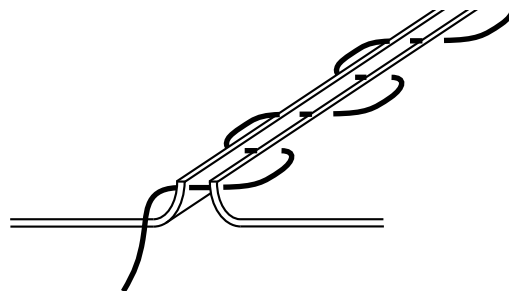
CM 2159. Top left: Diagram of the edge reinforcement of the vamp; Top right: Diagram of the sole/upper construction; Bottom right: Diagram of the back seam with passepoil.



CAT. NO. 131



CM 3304. Left and centre: Overview (dorsal and side views). Scale bar is 50 mm. Coptic Museum, Cairo; Right: Cutting pattern.



CM 3304. The seam running lengthwise down the sole.

CAT. NO. 132[C]



EA 32604. Overview (dorsal and ventral views). Scale bar is 50 mm. Photographs by A. 't Hoof. British Museum, London.

CAT. NO. 133



CM 11963. Overviews (dorsal, side and ventral views). Scale bar is 50 mm. Coptic Museum, Cairo.



CAT. NO. 133 - CONTINUE



CM 11963. Details (from left to right and top to bottom): vamp, heel, side and inner views. Scale bar is 10 mm. Coptic Museum, Cairo.

CAT. NO. 134

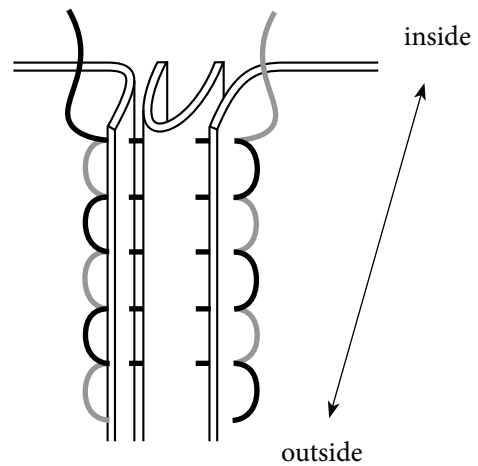
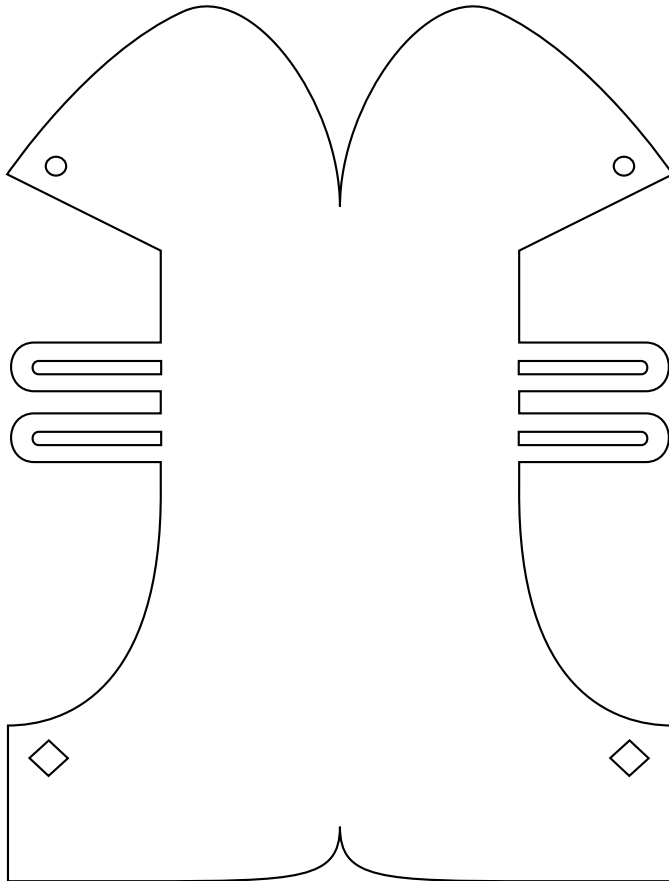


CM 3315. Overview (from left to right and top to bottom: side, dorsal, side, ventral and back views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 134 - CONTINUE



CM 3315. Details. The seam that closes the vamp seen from the side and above respectively. Scale bar is 10 mm. Coptic Museum, Cairo.



CM 3315. Diagram of the seam, closing the one-piece shoe at the vamp and back, includes a passepoil.

CM 3315. Cutting pattern.



CAT. NO. 135



CM 10359. Overviews (dorsal, ventral and back views). Scale bar is 50 mm. Coptic Museum, Cairo.



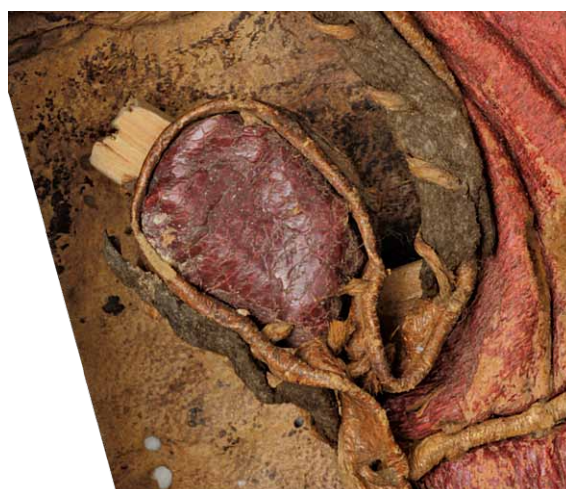
CM 10359. Detail of the inner side of the heel, showing the reinforcement patch. Scale bar is 10 mm. Coptic Museum, Cairo.



CAT. NO. 135 - CONTINUE



CM 10359. Details of the sole/upper seam. Scale bar is 10 mm. Coptic Museum, Cairo.



CM 10359. Top: Detail of the inner side of the vamp;  
Right: Detail of the vamp extension. Scale bars are 10 mm. Coptic Museum, Cairo.

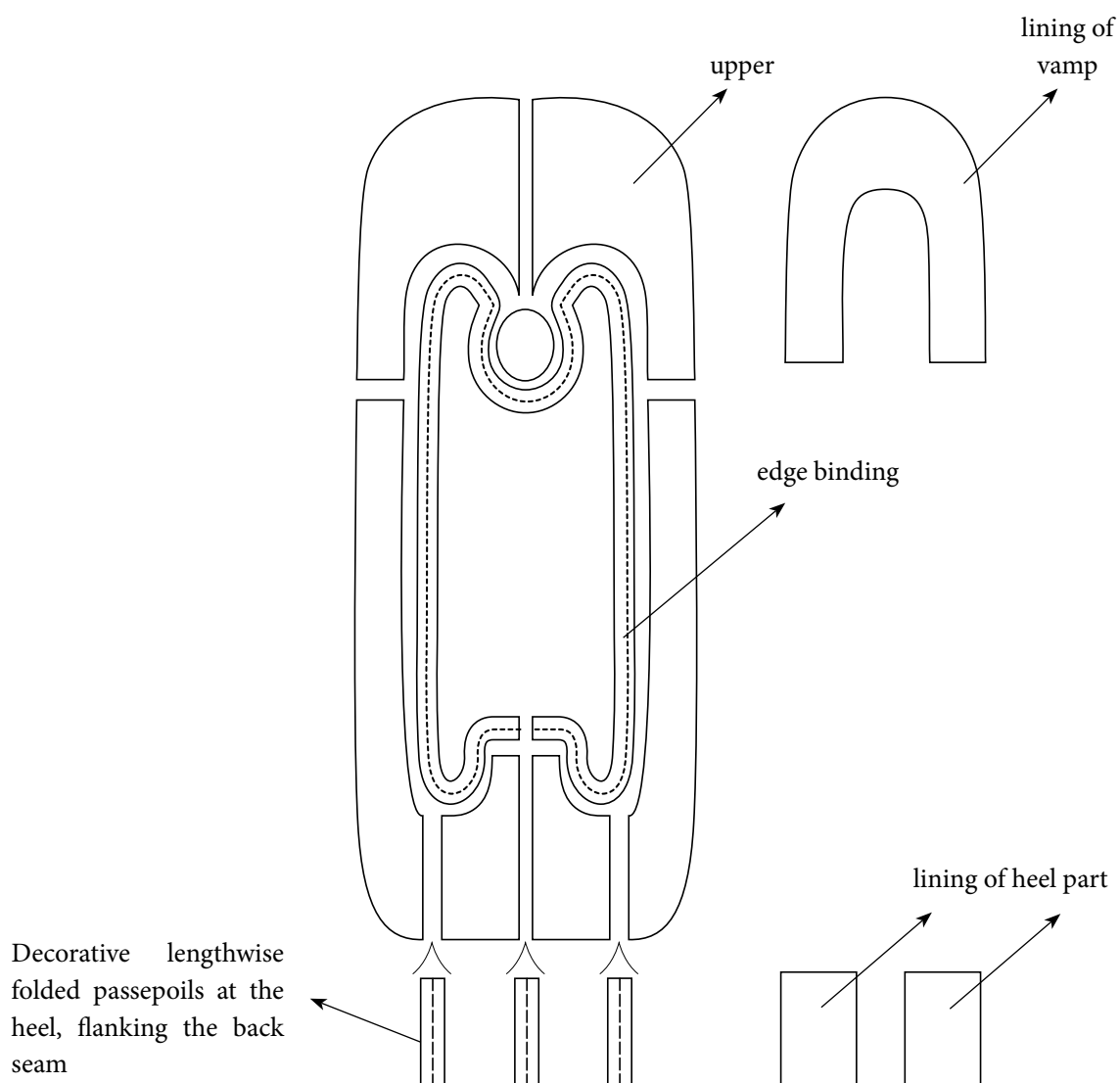


CAT. NO. 135 - CONTINUE

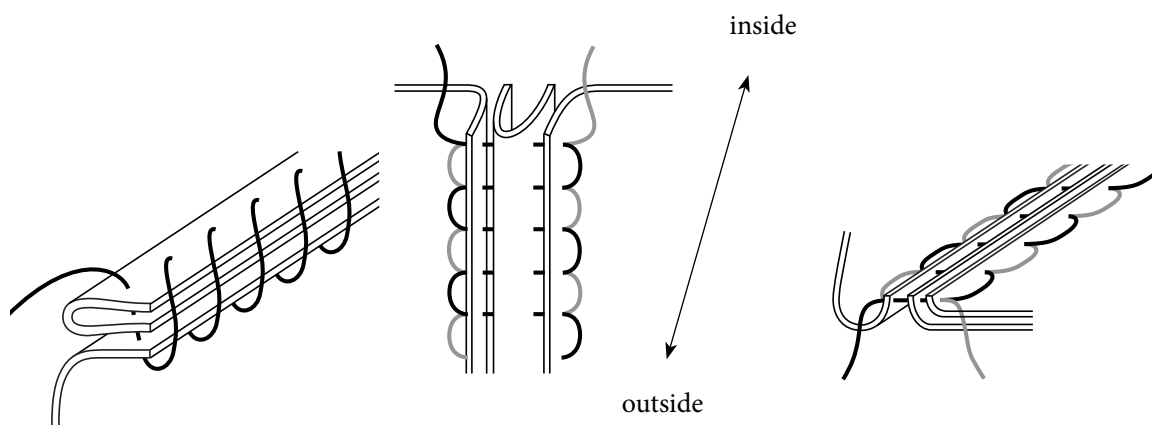


CM 10359. Details of the decoration and passepoils.  
Scale bars are 10 mm. Coptic Museum, Cairo.

CAT. NO. 135 - CONTINUE



CM 10359. Cutting pattern. The decorative coils at the vamp, consisting of a lengthwise folded strip, are left out for sake of clarity (see the diagrams for the technology of inserting them).



CM 10359. Diagram of the edge binding, the inserted decoration and the sole/upper construction respectively.



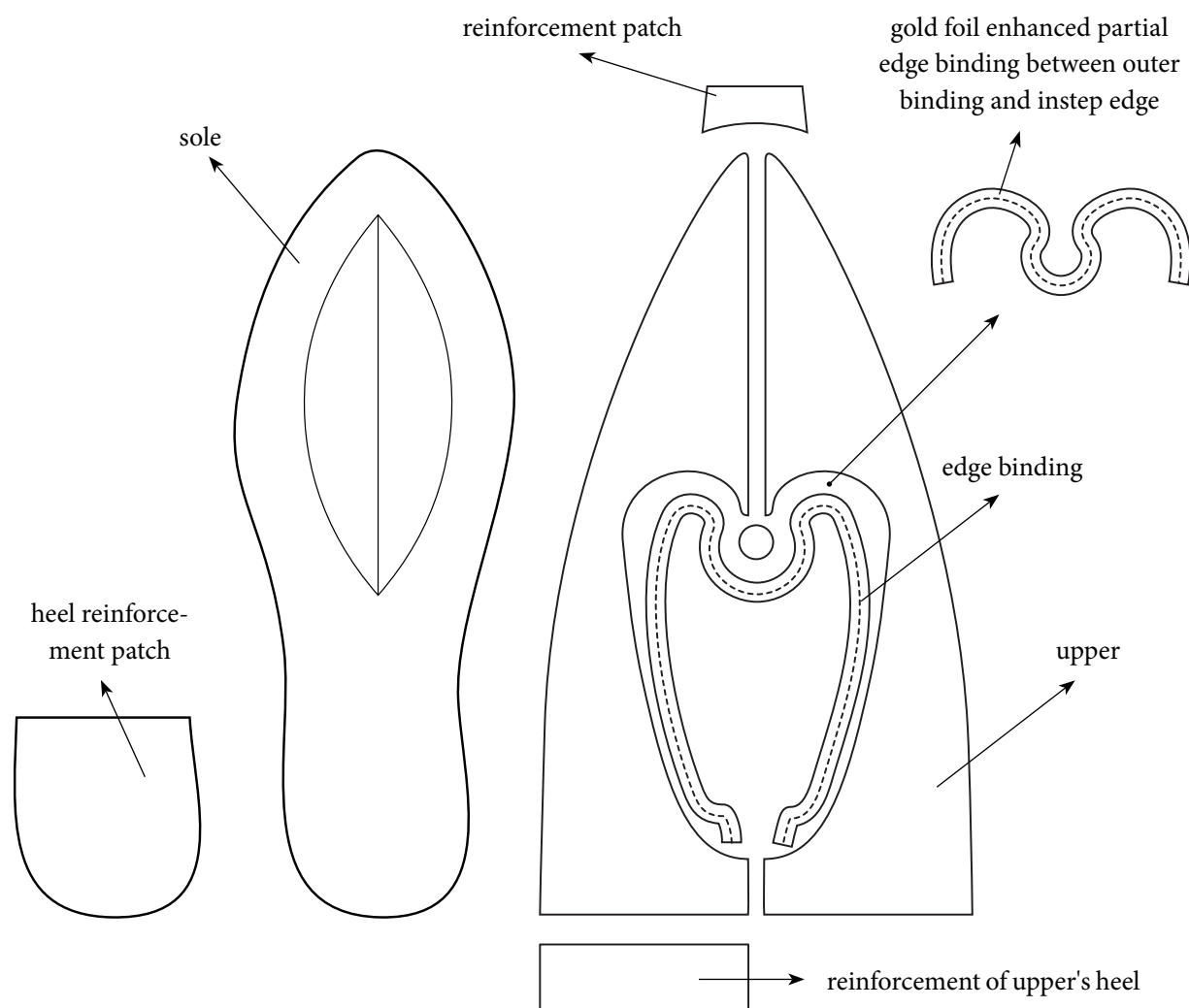
CAT. NO. 136[C]



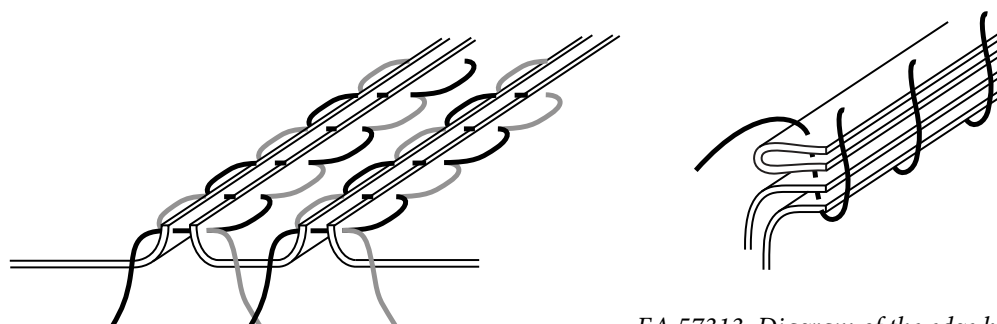
EA 57313. Overview (dorsal and ventral views). Scale bar is 50 mm. Photographs by A. 't Hooft. British Museum, London. Right: Diagram of the sole/upper construction.



CAT. NO. 136[C] - CONTINUE



EA 57313. Cutting pattern.



EA 57313. Diagram of the edge bindings.

EA 57313. Diagram of the double back seam.

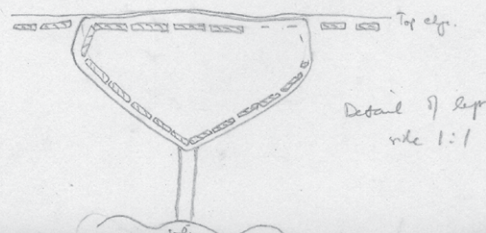
CAT. NO. 137[C]



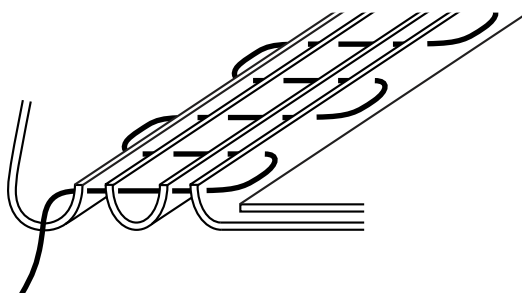
UC 28285. Overview (inner view). Courtesy of the Petrie Museum of Egyptian Archaeology UCL.

## CAT. NO. 138

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| DATE<br>84.1.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UNIT<br>939 PLAZA | SHOE                                                                                                                                                                                                                                                                                                                                                                                                                         | REG. NO.<br>84/690               |
| EXC. NO.<br>51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LEVEL<br>+        | DATE OF LEVEL<br>939-0                                                                                                                                                                                                                                                                                                                                                                                                       | DATE OF OBJECT                   |
| PHOTO NOS.<br>84F142/1A, 2A bsd damaged<br>84F148/13A, 14A<br>84F150/11 detail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | SIZE<br>LENGTH (SOLE) 22.2 cms<br>WIDTH ( ) 9.3 cms                                                                                                                                                                                                                                                                                                                                                                          | MATERIALS<br>LEATHER (ALSO FLAX) |
| <p>LEFT SHOE. COMPLETE EXCEPT FOR WEAR-HOLES. SLIPPER TYPE, WITHOUT TIES.</p> <p>SOLE IS A SINGLE THICKNESS PIECE OF STOUT LEATHER, WITH NO LINING THICKNESS.</p> <p>THE UPPIERS ARE OF TWO THICKNESSES, OF IDENTICAL SHAPE; FRONT AND REAR ARE SEPARATE AND THE JOINTS BETWEEN THEM ARE NOT STAGGERED BUT OVERLAP, AT THE SIDES OF THE SHOE. SOLES AND UPPERS ARE LEATHER-SEWN, WITH NO VULT.</p> <p>UPPERS ARE RED LEATHER, SOFT AND SHINY.</p> <p>THERE IS NO REAL TONGUE, BUT A POINT.</p> <p>AT THE TWO SIDE JOINTS THERE IS A SANDWICH STRIP RUNNING VERTICALLY BETWEEN THE UPPERS, AND OVER THIS ON THE OUTSIDE IS A TRIANGULAR REINFORCING PIECE, POINT DOWN, TOP EDGE ALONG THE UPPER EDGE OF THE SHOE.</p> <p>THE SEWING OF THE UPPERS IS OF 2-PLY FLAX AND A LINE OF THIS RUNS AROUND THE TOP JOINING THE TWO THICKNESSES. CANNOT TELL IF THIS IS INDEPENDENT OF THE STITCHES OF THE REINFORCING PIECE OR NOT.</p> <p>Divided to Cairo.</p> |                   | <p>THERE IS NO SEPARATE EDGING-STRIP.</p> <p>THE POINTED BACK-FLAP STOOD c 7 cms HIGH, BUT HAD BEEN TURNED DOWN AND WALKED ON, AND THE JOINT OF IT AND SOLE, AT EXTREME REAR, IS WORN THROUGH. THERE ARE NO OTHER HOLES IN THE SOLE, BUT SOME CRACKS.</p> <p>REINFORCING PIECES ARE 3.8 cms LONG x 2.4 cms DEEP AND OF RED LEATHER SIMILAR TO THE REST.</p> <p>A UTILITY JOB.</p> <p>NOTE CORBUSES FOUND BY FRONT UPPER.</p> |                                  |



CM 12372. Detail of the inner side, showing the reinforced side seam. Scale bar is 10 mm. Coptic Museum, Cairo.



CM 12372. Diagram of the sole/upper construction.

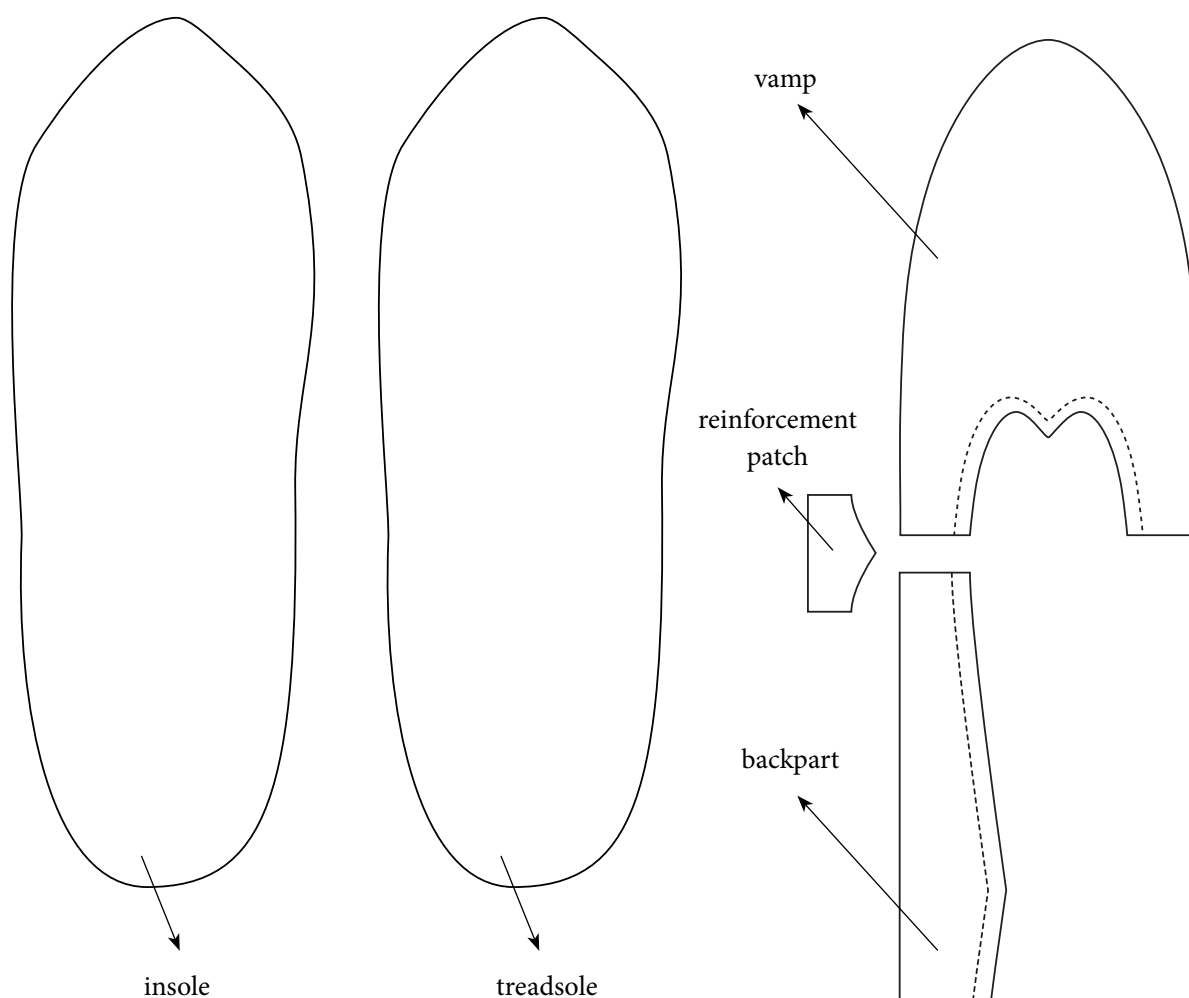


CAT. NO. 138 - CONTINUE -

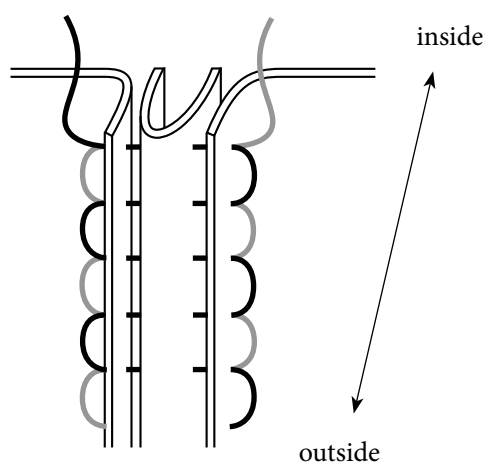


CM 12372. Overviews (*lateral(?)*, *dorsal*, *medial(?)* and *ventral* views). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 138 - CONTINUE -



CM 12372. Cutting pattern. The dashed line indicates the stitch row shortly below the instep edge as sort of edge binding. The insole lies loose in the shoe and is not incorporated in the seam.

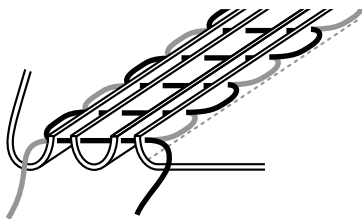


CM 12372. Side edge with passepoil.

CAT. NO. 139



CM 2165. Overviews (from left to right and top to bottom: dorsal, medial, ventral, lateral and back views). Scale bar is 50 mm. Coptic Museum, Cairo.



CM 2165. Top left: Detail of the sole/upper construction.; Top right: Detail of the openwork decoration of the medial side. Scale bars are 10 mm. Coptic Museum, Cairo. Bottom left: Diagram of the sole/upper construction.



## CAT. NO. 140

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| DATE<br>84.1.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | UNIT<br>939 PLAZA                                                                                                                                | SHOE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | REG. NO. <sup>AB</sup><br>84/692 |
| EXC. NO. TEMPORARY<br>52 FINAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LEVEL<br>+                                                                                                                                       | DATE OF LEVEL<br>939-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DATE OF OBJECT                   |
| PHOTO NOS.<br>(A) 84F142/16A-18A } all damaged<br>(B) 84F142/16A, 17A<br>(AB) 84F149/34A, 35A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SIZE<br>(A) LENGTH (SOLE) 23.2 cms<br>WIDTH - 10.0 cms<br>LENGTH (OVERALL) 23.7 cms<br>WIDTH - 12.1 cms<br>(B) LENGTH 22.0 cms<br>WIDTH 10.4 cms | MATERIALS<br>LEATHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |
| (A) GREATER PART OF SHOE<br>(B) PART OF DETACHED TIES.<br><br>UNUSUAL, CRUDE, OBVIOUSLY 'HOME MADE' IN APPEARANCE. ALL OTHERS LEATHER.<br><br>SOLE IS TWO THICKNESSES OF THICK LEATHER. AT THE HEEL THERE IS A PUNABLE SANDWICHED THIRD! AROUND THIS IS A REINFORCING STRIP EXTENDING NEARLY 1 CM IN, ON BOTH TOP AND BOTTOM ⇒ CAUGHT IN THE SAME STITCHES IS THE UPPER, FOLDED UNDER AND ONLY OF ONE THICKNESS, BLACK GRAINY LEATHER.<br><br>THE STITCHES GO RIGHT THROUGH AND SHOW BELOW.<br><br>BECAUSE HEEL IS LOST, CANNOT TELL IF UPPER IS ONE OR TWO-PIECE*, BUT MADE IN RIGHT AND LEFT HALVES, CLOSING OPENING IN A V. AROUND THE OPENING IS AN EDGING STRIP LYING FLAT, OVER THE RAW EDGE.<br><br>(AB) Donated to Cairo |                                                                                                                                                  | STRAIGHT DOWN THE FRONT A SIMILAR STRIP SIMPLY COVERS BOTH COLES ⇒ NECESSARILY GIVING A MORE BUNCHED, NOT FLAT, RESULT.<br><br>* CAREFUL EXAMINATION OF BOTTOM, WHERE IT SURVIVES ALL THROUGH IN THE STITCHES, SHOWS IT TO BE CONTINUOUS AT THE BACK AND IS OF ONE PIECE. ITS HEIGHT IS OF COURSE UNKNOWN, THOUGH A BACK-FLAP SEEMS AN UNLIKELY EXTRE-<br>VAGANCE!<br><br>4 CMS REAR OF JOIN OF 'V' ARE HOLES FOR TIES, ONE EACH SIDE, ALONGSIDE EDGING-STRIP. FRAGMENTS SURVIVE IN EACH (NEW BREAKS) AND THE TIES SURVIVE, SIMPLE FLAT STRIPS KNOTTED LOOSELY TOGETHER. THEY ARE HELD IN PLACE BY A TROP-KNOT UNDER (UNCOMFORTABLE!)<br><br>SHOE MAY COME APART ALL DOWN RIGHT SIDE. |                                  |



CM 12371. Overview (dorsal and ventral). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 141



CM 2172. Overview (ventral and dorsal). Scale bar is 50 mm. Coptic Museum, Cairo.

CAT. NO. 142



CM2166. Overviews (back, lateral, front and medial views. Scale bar is 50 mm. Coptic Museum, Cairo.



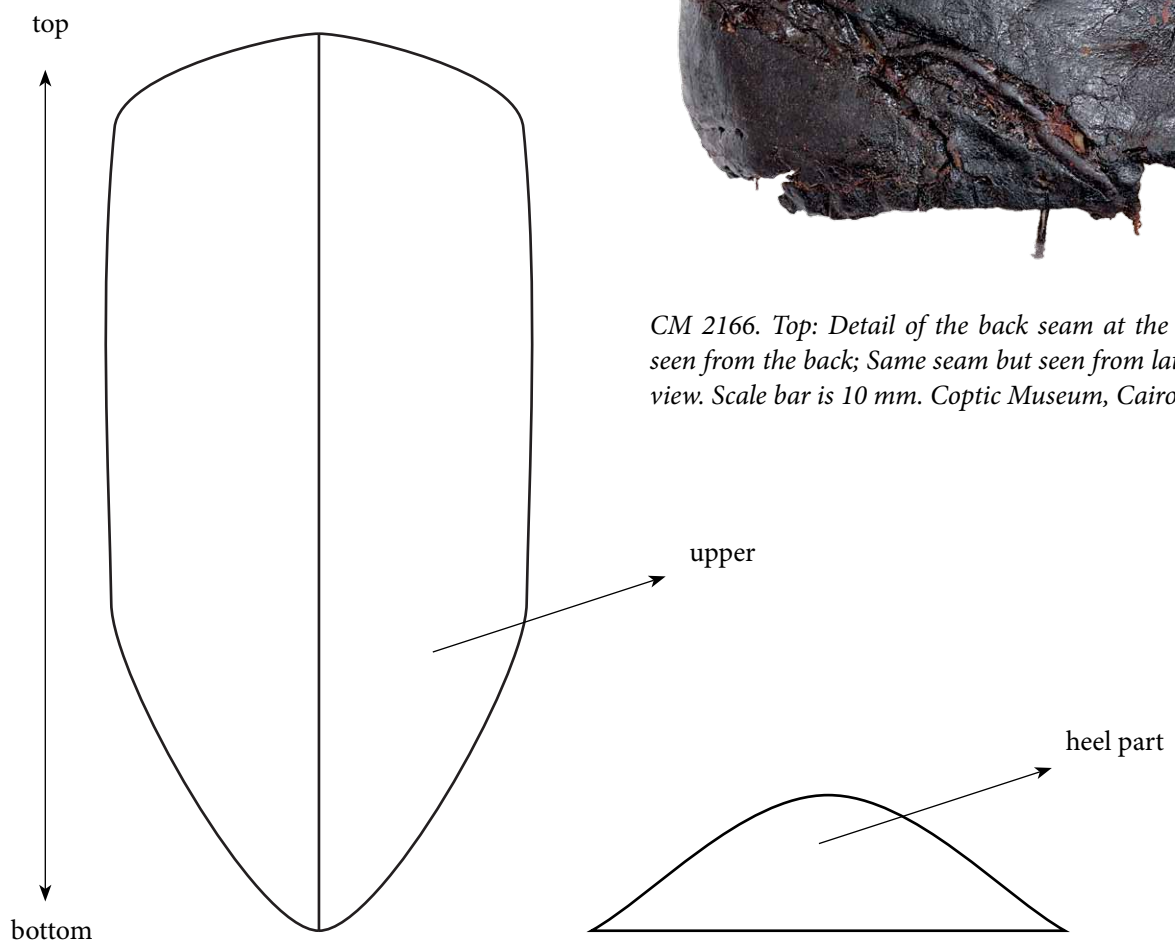
CAT. NO. 142 - CONTINUE



CM 2166. Detail of the back seam at the instep. Scale bar is 10 mm. Coptic Museum, Cairo.

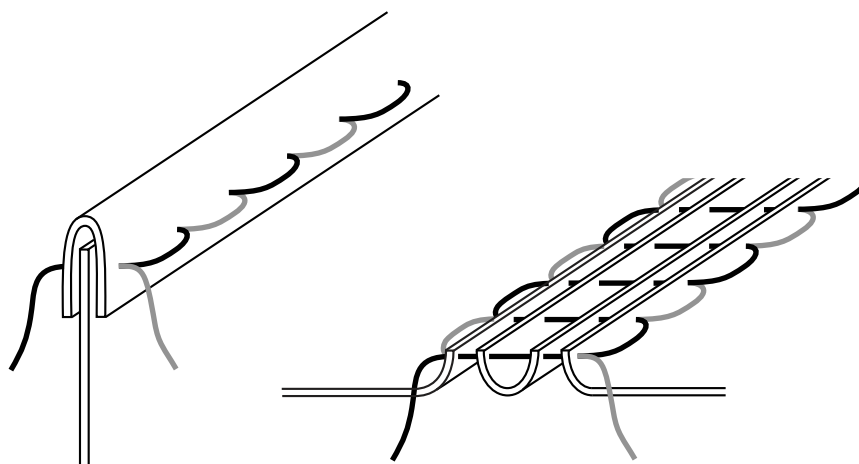


CM 2166. Top: Detail of the back seam at the heel seen from the back; Same seam but seen from lateral view. Scale bar is 10 mm. Coptic Museum, Cairo.



CM 2166. Cutting pattern.

CAT. NO. 142 - CONTINUE



CM 2166. Left: Diagram of the edge binding; Right: Diagram of the sole/upper construction and the back seam.

## APPENDIX II

### CONCORDANCES



## CATALOGUE NUMBER

| Catalogue Number | Inventory Number Coptic Museum | Identification Number Qasr Ibrim | Specialist Number Qasr Ibrim | Identification Number Other |
|------------------|--------------------------------|----------------------------------|------------------------------|-----------------------------|
| 1                | CM 4974                        |                                  |                              |                             |
| 2                | CM 4978                        |                                  |                              |                             |
| 3                | CM 4979                        |                                  |                              |                             |
| 4                | CM 11967                       | QI 80.3.14/44                    |                              |                             |
| 5                | CM 11965                       | QI 78.2.5/27                     |                              |                             |
| 6                | CM 4975                        |                                  |                              |                             |
| 7                | CM 2177                        |                                  |                              |                             |
| 8                | CM 3295                        |                                  |                              |                             |
| 9                | CM 11955                       | QI 78.3.20/12                    |                              |                             |
| 10[c]            |                                | QI 76.2.14/3                     | Cam-3006                     |                             |
| 11[c]            |                                | QI 84.2.22/35                    |                              |                             |
| 12[c]            |                                |                                  |                              | EA 53915                    |
| 13               | CM 2174                        |                                  |                              |                             |
| 14               | CM 3297                        |                                  |                              |                             |
| 15[c]            |                                |                                  |                              | 1889.1068                   |
| 16[c]            |                                |                                  |                              | EA 4395                     |
| 17[c]            |                                |                                  |                              | 11192                       |
| 18[c]            |                                |                                  |                              | E11830                      |
| 19               | CM 3302                        |                                  |                              |                             |
| 20               | CM 11393                       |                                  |                              |                             |
| 21               | CM 3299                        |                                  |                              |                             |

| Catalogue Number | Inventory Number Coptic Museum | Identification Number Qasr Ibrim | Specialist Number Qasr Ibrim | Identification Number Other |
|------------------|--------------------------------|----------------------------------|------------------------------|-----------------------------|
| 22               | CM 12171                       |                                  |                              |                             |
| 23[c]            |                                | QI 78.3.16/71                    |                              |                             |
| 24[c]            |                                | QI 78.3.22/56                    | Cam-3637                     |                             |
| 25[c]            |                                | QI 78.3.15/58                    | Cam-3671                     |                             |
| 26[c]            |                                | QI 74.2.28/4                     | Cam-3234                     |                             |
| 27[c]            |                                | QI 82.3.5/64                     | Cam-3114                     |                             |
| 28[c]            |                                | QI 78.2.2/42A                    | Cam-3148                     |                             |
| 29[c]            |                                | QI 90.1.15/48                    |                              |                             |
| 30[c]            |                                | 10.206/A6                        |                              |                             |
| 31[c]            |                                | QI 85.12.20/347                  |                              |                             |
| 32[c]            |                                | QI 85.12.20/318;                 |                              |                             |
| 33[c]            |                                | QI 85.12.20/345                  |                              |                             |
| 34[c]            |                                | QI 85.12.26/49                   |                              |                             |
| 35[c]            |                                | QI 85.12.26/50                   |                              |                             |
| 36[c]            |                                | QI 89.12.23/16                   |                              |                             |
| 37[c]            |                                | QI 90.1.2/32                     |                              |                             |
| 38[c]            |                                | QI 90.1.2/33                     |                              |                             |
| 39[c]            |                                | QI 90.1.15/43                    |                              |                             |
| 40[c]            |                                | QI 90.1.2/35                     |                              |                             |
| 41[c]            |                                | QI 90.1.2/41                     |                              |                             |
| 42[c]            |                                | QI 95.1.2/81                     |                              |                             |
| 43[c]            |                                | QI 95.1.2/129                    |                              |                             |

| Catalogue Number | Inventory Number Coptic Museum | Identification Number Qasr Ibrim | Specialist Number Qasr Ibrim | Identification Number Other |
|------------------|--------------------------------|----------------------------------|------------------------------|-----------------------------|
| 44[c]            |                                | QI 95.1.2/128                    |                              |                             |
| 45[c]            |                                |                                  |                              | SAIUH 354 FJ225             |
| 46[c]            |                                |                                  |                              | SAIUH 355 FJ [1]            |
| 47[c]            |                                |                                  |                              | SAIUH 355 FJ?<br>[2]        |
| 48[c]            |                                |                                  |                              | SAIUH 358 FJ[1]             |
| 49[c]            |                                |                                  |                              | SAIUH1165<br>FJ1228         |
| 50[c]            |                                |                                  |                              | SAIUH1168 FJ374             |
| 51[c]            |                                |                                  |                              | SAIUH1175 FJ732             |
| 52[c]            |                                |                                  |                              | SAIUH1177 FJ884             |
| 53[c]            |                                | QI 84.1.9/71                     |                              |                             |
| 54[c]            |                                |                                  |                              | SAIUH31912 Inv.<br>Nr. 3    |
| 55               | CM 3300                        |                                  |                              |                             |
| 56               | CM 3306                        |                                  |                              |                             |
| 57               | CM 11950/1                     | QI 80.3.13/84                    |                              |                             |
| 58               | CM 3309                        |                                  |                              |                             |
| 59               | CM 11950/2                     | QI 80.2.11/85                    |                              |                             |
| 60               | CM 2171                        |                                  |                              |                             |
| 61               | CM 2157                        |                                  |                              |                             |
| 62               | CM 2158                        |                                  |                              |                             |
| 63[c]            |                                | QI 80.3.4/117                    |                              |                             |
| 64[c]            |                                |                                  |                              | 5513                        |



| Catalogue Number | Inventory Number Coptic Museum | Identification Number Qasr Ibrim | Specialist Number Qasr Ibrim | Identification Number Other |
|------------------|--------------------------------|----------------------------------|------------------------------|-----------------------------|
| 65[c]            |                                |                                  |                              | EA 20942                    |
| 66[c]            |                                |                                  |                              | 1914,0902.3                 |
| 67[c]            |                                |                                  |                              | 1888.1131                   |
| 68[c]            |                                |                                  |                              | 1973.2.121                  |
| 69[c]            |                                |                                  |                              | 1973.2.125                  |
| 70               | CM ?                           | QI 84.1.9/53                     |                              |                             |
| 71               | CM 3308                        |                                  |                              |                             |
| 72               | CM 3305                        |                                  |                              |                             |
| 73               | CM 10357                       |                                  |                              |                             |
| 74               | CM 3301                        |                                  |                              |                             |
| 75               | CM 11951                       | QI 80.1.23/63                    |                              |                             |
| 76               | CM 11966                       | QI 78.3.15/106                   |                              |                             |
| 77[c]            |                                | QI 80.1.20/85                    | Cam-3589                     |                             |
| 78[c]            |                                | QI 80.1.21/92A-D                 | Cam-3698                     |                             |
| 79[c]            |                                | QI 80.1.23/64                    | Cam-3694                     |                             |
| 80[c]            |                                | QI 78.3.12/31                    |                              | EA 71820                    |
| 81[c]            |                                | QI 78.3.21/21                    |                              | EA 71819                    |
| 82[c]            |                                | QI 80.1.27/48A                   | Cam-3629                     |                             |
| 83[c]            |                                | QI 80.1.30/64B                   | Cam-3555                     |                             |
| 84[c]            |                                | QI 80.1.30/79A                   | Cam-3558                     |                             |
| 85[c]            |                                | QI 80.2.3/73                     | Cam-3559                     |                             |
| 86[c]            |                                | QI 78.3.19/115                   | Cam-3595                     |                             |

| <b>Catalogue Number</b> | <b>Inventory Number Coptic Museum</b> | <b>Identification Number Qasr Ibrim</b> | <b>Specialist Number Qasr Ibrim</b> | <b>Identification Number Other</b> |
|-------------------------|---------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------|
| 87[c]                   |                                       | QI 80.2.4/74                            | Cam-3560                            |                                    |
| 88[c]                   |                                       | QI 80.2.14/144                          | Cam-3590                            |                                    |
| 89[c]                   |                                       | QI 80.2.16/115A                         | Cam-3628                            |                                    |
| 90[c]                   |                                       | QI 80.2.28/96                           | Cam-3568                            |                                    |
| 91                      | CM 11968                              | QI 80.1.23/66                           |                                     |                                    |
| 92[c]                   |                                       | QI 80.1.20/84                           | Cam-3635                            |                                    |
| 93[c]                   |                                       | QI 80.1.27/46A-D                        | Cam-3700                            |                                    |
| 94[c]                   |                                       | QI 78.3.12/44                           |                                     |                                    |
| 95[c]                   |                                       | QI 78.3.21/46A                          | Cam-3596                            |                                    |
| 95[c]                   |                                       | QI 78.3.21/46B                          | Cam-3598                            |                                    |
| 96[c]                   |                                       | QI 78.3.21/47                           | Cam-3597                            |                                    |
| 97[c]                   |                                       | QI 78.3.27/30                           |                                     |                                    |
| 98[c]                   |                                       | QI 78.3.26/26                           | Cam-3600                            |                                    |
| 99[c]                   |                                       | QI 80.1.23/59                           | Cam-3691                            |                                    |
| 100[c]                  |                                       | QI 80.1.31/79                           |                                     |                                    |
| 101[c]                  |                                       | QI 80.2.6/108A                          | Cam-3592                            |                                    |
| 101[c]                  |                                       | QI 80.2.6/108B                          | Cam-3563                            |                                    |
| 102[c]                  |                                       | QI 80.2.7/125                           | Cam-3636                            |                                    |
| 103[c]                  |                                       | QI 80.2.7/136                           |                                     |                                    |
| 104[c]                  |                                       | QI 80.2.10/68A                          | Cam-3562                            |                                    |
| 105[c]                  |                                       | QI 80.2.11/41A-E                        | Cam-3546                            |                                    |
| 106[c]                  |                                       | QI 80.2.12/63                           | Cam-3601                            |                                    |

| <b>Catalogue<br/>Number</b> | <b>Inventory<br/>Number Coptic<br/>Museum</b> | <b>Identification<br/>Number Qasr Ibrim</b> | <b>Specialist<br/>Number Qasr<br/>Ibrim</b> | <b>Identification<br/>Number Other</b> |
|-----------------------------|-----------------------------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------|
| 107[c]                      |                                               | QI 78.3.15/107                              | Cam-3594                                    |                                        |
| 108[c]                      |                                               | QI 80.2.2/89A                               | Cam-3557                                    |                                        |
| 108[c]                      |                                               | QI 80.2.2/89B                               | Cam-3553                                    |                                        |
| 108[c]                      |                                               | QI 80.2.2/89C                               | Cam-3267                                    |                                        |
| 109[c]                      |                                               | QI 80.2.7/95                                | Cam-3593                                    |                                        |
| 110[c]                      |                                               | QI 78.3.12/35                               | Cam-3599                                    |                                        |
| 111[c]                      |                                               | QI 80.2.3/48                                | Cam-3699                                    |                                        |
| 112[c]                      |                                               | QI 78.3.2/20                                | Cam-3527                                    |                                        |
| 113[c]                      |                                               | QI 78.3.19/105                              | Cam-3522                                    |                                        |
| 114[c]                      |                                               | QI 78.3.26/24                               | Cam-3509                                    |                                        |
| 115[c]                      |                                               | QI 78.3.26/27A                              | Cam-3528                                    |                                        |
| 116[c]                      |                                               | QI 80.1.21/121                              | Cam-3630                                    |                                        |
| 117[c]                      |                                               | QI 80.1.31/85                               | Cam-3701                                    |                                        |
| 118[c]                      |                                               | QI 80.2.6/121A                              | Cam-3681                                    |                                        |
| 118[c]                      |                                               | QI 80.2.6/121B                              | Cam-3680                                    |                                        |
| 118[c]                      |                                               | QI 80.2.6/121C                              | Cam-3256                                    |                                        |
| 119[c]                      |                                               | QI 80.2.7/132A                              | Cam-3602                                    |                                        |
| 120[c]                      |                                               | QI 84.1.21/28                               |                                             |                                        |
| 121[c]                      |                                               | QI 85.12.20/335                             |                                             |                                        |
| 122[.]c]                    |                                               | QI 89.12.28/56                              |                                             |                                        |
| 123[c]                      |                                               | QI 89.12.31/19                              |                                             |                                        |
| 124                         | CM 11395                                      |                                             |                                             |                                        |

| <b>Catalogue Number</b> | <b>Inventory Number Coptic Museum</b> | <b>Identification Number Qasr Ibrim</b> | <b>Specialist Number Qasr Ibrim</b> | <b>Identification Number Other</b> |
|-------------------------|---------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------|
| 125                     | CM 2162                               |                                         |                                     |                                    |
| 126                     | CM 2173                               |                                         |                                     |                                    |
| 127                     | CM 2155                               |                                         |                                     |                                    |
| 128[c]                  |                                       |                                         |                                     | EA 53917                           |
| 129[c]                  |                                       |                                         |                                     | EA 4416                            |
| 130                     | CM 2159                               |                                         |                                     |                                    |
| 131                     | CM 3304                               |                                         |                                     |                                    |
| 132[c]                  |                                       |                                         |                                     | EA 32604                           |
| 133                     | CM 11963                              |                                         |                                     |                                    |
| 134                     | CM 3315                               |                                         |                                     |                                    |
| 135                     | CM 10359                              |                                         |                                     |                                    |
| 136[c]                  |                                       |                                         |                                     | EA 57313                           |
| 137[c]                  |                                       |                                         |                                     | UC 28285                           |
| 138                     | CM 12372                              | QI 84.1.26/51                           |                                     |                                    |
| 139                     | CM 2165                               |                                         |                                     |                                    |
| 140                     | CM 12371                              | QI 84.1.26/52A                          |                                     |                                    |
| 141                     | CM 2172                               |                                         |                                     |                                    |
| 142                     | CM 2166                               |                                         |                                     |                                    |



## INVENTORY NUMBER

| <b>Inventory<br/>Number Coptic<br/>Museum</b> | <b>Catalogue<br/>Number</b> | <b>Identification<br/>Number Qasr Ibrim</b> | <b>Specialist<br/>Number Qasr<br/>Ibrim</b> | <b>Identification<br/>Number Other</b> |
|-----------------------------------------------|-----------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------|
| CM 2155                                       | 127                         |                                             |                                             |                                        |
| CM 2157                                       | 61                          |                                             |                                             |                                        |
| CM 2158                                       | 62                          |                                             |                                             |                                        |
| CM 2159                                       | 130                         |                                             |                                             |                                        |
| CM 2162                                       | 125                         |                                             |                                             |                                        |
| CM 2165                                       | 139                         |                                             |                                             |                                        |
| CM 2166                                       | 142                         |                                             |                                             |                                        |
| CM 2171                                       | 60                          |                                             |                                             |                                        |
| CM 2172                                       | 141                         |                                             |                                             |                                        |
| CM 2173                                       | 126                         |                                             |                                             |                                        |
| CM 2174                                       | 13                          |                                             |                                             |                                        |
| CM 2177                                       | 7                           |                                             |                                             |                                        |
| CM 3295                                       | 8                           |                                             |                                             |                                        |
| CM 3297                                       | 14                          |                                             |                                             |                                        |
| CM 3299                                       | 21                          |                                             |                                             |                                        |
| CM 3300                                       | 55                          |                                             |                                             |                                        |
| CM 3301                                       | 74                          |                                             |                                             |                                        |
| CM 3302                                       | 19                          |                                             |                                             |                                        |
| CM 3304                                       | 131                         |                                             |                                             |                                        |
| CM 3305                                       | 72                          |                                             |                                             |                                        |
| CM 3306                                       | 56                          |                                             |                                             |                                        |

| <b>Inventory<br/>Number Coptic<br/>Museum</b> | <b>Catalogue<br/>Number</b> | <b>Identification<br/>Number Qasr Ibrim</b> | <b>Specialist<br/>Number Qasr<br/>Ibrim</b> | <b>Identification<br/>Number Other</b> |
|-----------------------------------------------|-----------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------|
| CM 3308                                       | 71                          |                                             |                                             |                                        |
| CM 3309                                       | 58                          |                                             |                                             |                                        |
| CM 3315                                       | 134                         |                                             |                                             |                                        |
| CM 4974                                       | 1                           |                                             |                                             |                                        |
| CM 4975                                       | 6                           |                                             |                                             |                                        |
| CM 4978                                       | 2                           |                                             |                                             |                                        |
| CM 4979                                       | 3                           |                                             |                                             |                                        |
| CM ?                                          | 70                          | QI 84.1.9/53                                |                                             |                                        |
| CM 10357                                      | 73                          |                                             |                                             |                                        |
| CM 10359                                      | 135                         |                                             |                                             |                                        |
| CM 11393                                      | 20                          |                                             |                                             |                                        |
| CM 11395                                      | 124                         |                                             |                                             |                                        |
| CM 11950/1                                    | 57                          | QI 80.3.13/84                               |                                             |                                        |
| CM 11950/2                                    | 59                          | QI 80.2.11/85                               |                                             |                                        |
| CM 11951                                      | 75                          | QI 80.1.23/63                               |                                             |                                        |
| CM 11955                                      | 9                           | QI 78.3.20/12                               |                                             |                                        |
| CM 11963                                      | 133                         |                                             |                                             |                                        |
| CM 11965                                      | 5                           | QI 78.2.5/27                                |                                             |                                        |
| CM 11966                                      | 76                          | QI 78.3.15/106                              |                                             |                                        |
| CM 11967                                      | 4                           | QI 80.3.14/44                               |                                             |                                        |
| CM 11968                                      | 91                          | QI 80.1.23/66                               |                                             |                                        |
| CM 12171                                      | 22                          |                                             |                                             |                                        |

| <b>Inventory<br/>Number Coptic<br/>Museum</b> | <b>Catalogue<br/>Number</b> | <b>Identification<br/>Number Qasr Ibrim</b> | <b>Specialist<br/>Number Qasr<br/>Ibrim</b> | <b>Identification<br/>Number Other</b> |
|-----------------------------------------------|-----------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------|
| CM 12371                                      | 140                         | QI 84.1.26/52A                              |                                             |                                        |
| CM 12372                                      | 138                         | QI 84.1.26/51                               |                                             |                                        |
|                                               | 11[c]                       | QI 84.2.22/35                               |                                             |                                        |
|                                               | 12[c]                       |                                             |                                             | EA 53915                               |
|                                               | 15[c]                       |                                             |                                             | 1889.1068                              |
|                                               | 16[c]                       |                                             |                                             | EA 4395                                |
|                                               | 17[c]                       |                                             |                                             | 11192                                  |
|                                               | 18[c]                       |                                             |                                             | E11830                                 |
|                                               | 23[c]                       | QI 78.3.16/71                               |                                             |                                        |
|                                               | 24[c]                       | QI 78.3.22/56                               | Cam-3637                                    |                                        |
|                                               | 25[c]                       | QI 78.3.15/58                               | Cam-3671                                    |                                        |
|                                               | 26[c]                       | QI 74.2.28/4                                | Cam-3234                                    |                                        |
|                                               | 27[c]                       | QI 82.3.5/64                                | Cam-3114                                    |                                        |
|                                               | 28[c]                       | QI 78.2.2/42A                               | Cam-3148                                    |                                        |
|                                               | 29[c]                       | QI 90.1.15/48                               |                                             |                                        |
|                                               | 30[c]                       | 10.206/A6                                   |                                             |                                        |
|                                               | 31[c]                       | QI 85.12.20/347                             |                                             |                                        |
|                                               | 32[c]                       | QI 85.12.20/318;                            |                                             |                                        |
|                                               | 33[c]                       | QI 85.12.20/345                             |                                             |                                        |
|                                               | 34[c]                       | QI 85.12.26/49                              |                                             |                                        |
|                                               | 35[c]                       | QI 85.12.26/50                              |                                             |                                        |
|                                               | 36[c]                       | QI 89.12.23/16                              |                                             |                                        |

| <b>Inventory<br/>Number Coptic<br/>Museum</b> | <b>Catalogue<br/>Number</b> | <b>Identification<br/>Number Qasr Ibrim</b> | <b>Specialist<br/>Number Qasr<br/>Ibrim</b> | <b>Identification<br/>Number Other</b> |
|-----------------------------------------------|-----------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------|
|                                               | 37[c]                       | QI 90.1.2/32                                |                                             |                                        |
|                                               | 38[c]                       | QI 90.1.2/33                                |                                             |                                        |
|                                               | 39[c]                       | QI 90.1.15/43                               |                                             |                                        |
|                                               | 40[c]                       | QI 90.1.2/35                                |                                             |                                        |
|                                               | 41[c]                       | QI 90.1.2/41                                |                                             |                                        |
|                                               | 42[c]                       | QI 95.1.2/81                                |                                             |                                        |
|                                               | 43[c]                       | QI 95.1.2/129                               |                                             |                                        |
|                                               | 44[c]                       | QI 95.1.2/128;                              |                                             |                                        |
|                                               | 45[c]                       |                                             |                                             | SAIUH 354 FJ225                        |
|                                               | 46[c]                       |                                             |                                             | SAIUH 355 FJ [1]                       |
|                                               | 47[c]                       |                                             |                                             | SAIUH 355 FJ?<br>[2]                   |
|                                               | 48[c]                       |                                             |                                             | SAIUH 358 FJ[1]                        |
|                                               | 49[c]                       |                                             |                                             | SAIUH1165<br>FJ1228                    |
|                                               | 50[c]                       |                                             |                                             | SAIUH1168 FJ374                        |
|                                               | 51[c]                       |                                             |                                             | SAIUH1175 FJ732                        |
|                                               | 52[c]                       |                                             |                                             | SAIUH1177 FJ884                        |
|                                               | 53[c]                       | QI 84.1.9/71                                |                                             |                                        |
|                                               | 54[c]                       |                                             |                                             | SAIUH31912 Inv.<br>Nr. 3               |
|                                               | 63[c]                       | QI 80.3.4/117                               |                                             |                                        |
|                                               | 64[c]                       |                                             |                                             | 5513                                   |
|                                               | 65[c]                       |                                             |                                             | EA 20942                               |



| <b>Inventory<br/>Number Coptic<br/>Museum</b> | <b>Catalogue<br/>Number</b> | <b>Identification<br/>Number Qasr Ibrim</b> | <b>Specialist<br/>Number Qasr<br/>Ibrim</b> | <b>Identification<br/>Number Other</b> |
|-----------------------------------------------|-----------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------|
|                                               | 66[c]                       |                                             |                                             | 1914,0902.3                            |
|                                               | 67[c]                       |                                             |                                             | 1888.1131                              |
|                                               | 68[c]                       |                                             |                                             | 1973.2.121                             |
|                                               | 69[c]                       |                                             |                                             | 1973.2.125                             |
|                                               | 77[c]                       | QI 80.1.20/85                               | Cam-3589                                    |                                        |
|                                               | 78[c]                       | QI 80.1.21/92A-D                            | Cam-3698                                    |                                        |
|                                               | 79[c]                       | QI 80.1.23/64                               | Cam-3694                                    |                                        |
|                                               | 80[c]                       | QI 78.3.12/31                               |                                             | EA 71820                               |
|                                               | 81[c]                       | QI 78.3.21/21                               |                                             | EA 71819                               |
|                                               | 82[c]                       | QI 80.1.27/48A                              | Cam-3629                                    |                                        |
|                                               | 83[c]                       | QI 80.1.30/64B                              | Cam-3555                                    |                                        |
|                                               | 84[c]                       | QI 80.1.30/79A                              | Cam-3558                                    |                                        |
|                                               | 85[c]                       | QI 80.2.3/73                                | Cam-3559                                    |                                        |
|                                               | 86[c]                       | QI 78.3.19/115                              | Cam-3595                                    |                                        |
|                                               | 87[c]                       | QI 80.2.4/74                                | Cam-3560                                    |                                        |
|                                               | 88[c]                       | QI 80.2.14/144                              | Cam-3590                                    |                                        |
|                                               | 89[c]                       | QI 80.2.16/115A                             | Cam-3628                                    |                                        |
|                                               | 90[c]                       | QI 80.2.28/96                               | Cam-3568                                    |                                        |
|                                               | 92[c]                       | QI 80.1.20/84                               | Cam-3635                                    |                                        |
|                                               | 93[c]                       | QI 80.1.27/46A-D                            | Cam-3700                                    |                                        |
|                                               | 94[c]                       | QI 78.3.12/44                               |                                             |                                        |
|                                               | 95[c]                       | QI 78.3.21/46A                              | Cam-3596                                    |                                        |

| <b>Inventory<br/>Number Coptic<br/>Museum</b> | <b>Catalogue<br/>Number</b> | <b>Identification<br/>Number Qasr Ibrim</b> | <b>Specialist<br/>Number Qasr<br/>Ibrim</b> | <b>Identification<br/>Number Other</b> |
|-----------------------------------------------|-----------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------|
|                                               | 95[c]                       | QI 78.3.21/46B                              | Cam-3598                                    |                                        |
|                                               | 96[c]                       | QI 78.3.21/47                               | Cam-3597                                    |                                        |
|                                               | 97[c]                       | QI 78.3.27/30                               |                                             |                                        |
|                                               | 98[c]                       | QI 78.3.26/26                               | Cam-3600                                    |                                        |
|                                               | 99[c]                       | QI 80.1.23/59                               | Cam-3691                                    |                                        |
|                                               | 100[c]                      | QI 80.1.31/79                               |                                             |                                        |
|                                               | 101[c]                      | QI 80.2.6/108A                              | Cam-3592                                    |                                        |
|                                               | 101[c]                      | QI 80.2.6/108B                              | Cam-3563                                    |                                        |
|                                               | 102[c]                      | QI 80.2.7/125                               | Cam-3636                                    |                                        |
|                                               | 103[c]                      | QI 80.2.7/136                               |                                             |                                        |
|                                               | 104[c]                      | QI 80.2.10/68A                              | Cam-3562                                    |                                        |
|                                               | 105[c]                      | QI 80.2.11/41A-E                            | Cam-3546                                    |                                        |
|                                               | 106[c]                      | QI 80.2.12/63                               | Cam-3601                                    |                                        |
|                                               | 107[c]                      | QI 78.3.15/107                              | Cam-3594                                    |                                        |
|                                               | 108[c]                      | QI 80.2.2/89A                               | Cam-3557                                    |                                        |
|                                               | 108[c]                      | QI 80.2.2/89B                               | Cam-3553                                    |                                        |
|                                               | 108[c]                      | QI 80.2.2/89C                               | Cam-3267                                    |                                        |
|                                               | 109[c]                      | QI 80.2.7/95                                | Cam-3593                                    |                                        |
|                                               | 110[c]                      | QI 78.3.12/35                               | Cam-3599                                    |                                        |
|                                               | 111[c]                      | QI 80.2.3/48                                | Cam-3699                                    |                                        |
|                                               | 112[c]                      | QI 78.3.2/20                                | Cam-3527                                    |                                        |
|                                               | 113[c]                      | QI 78.3.19/105                              | Cam-3522                                    |                                        |

| <b>Inventory<br/>Number Coptic<br/>Museum</b> | <b>Catalogue<br/>Number</b> | <b>Identification<br/>Number Qasr Ibrim</b> | <b>Specialist<br/>Number Qasr<br/>Ibrim</b> | <b>Identification<br/>Number Other</b> |
|-----------------------------------------------|-----------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------|
|                                               | 114[c]                      | QI 78.3.26/24                               | Cam-3509                                    |                                        |
|                                               | 115[c]                      | QI 78.3.26/27A                              | Cam-3528                                    |                                        |
|                                               | 116[c]                      | QI 80.1.21/121                              | Cam-3630                                    |                                        |
|                                               | 117[c]                      | QI 80.1.31/85                               | Cam-3701                                    |                                        |
|                                               | 118[c]                      | QI 80.2.6/121A                              | Cam-3681                                    |                                        |
|                                               | 118[c]                      | QI 80.2.6/121B                              | Cam-3680                                    |                                        |
|                                               | 118[c]                      | QI 80.2.6/121C                              | Cam-3256                                    |                                        |
|                                               | 119[c]                      | QI 80.2.7/132A                              | Cam-3602                                    |                                        |
|                                               | 120[c]                      | QI 84.1.21/28                               |                                             |                                        |
|                                               | 121[c]                      | QI 85.12.20/335                             |                                             |                                        |
|                                               | 122[ ]c]                    | QI 89.12.28/56                              |                                             |                                        |
|                                               | 123[c]                      | QI 89.12.31/19                              |                                             |                                        |
|                                               | 128[c]                      |                                             |                                             | EA 53917                               |
|                                               | 129[c]                      |                                             |                                             | EA 4416                                |
|                                               | 132[c]                      |                                             |                                             | EA 32604                               |
|                                               | 136[c]                      |                                             |                                             | EA 57313                               |
|                                               | 137[c]                      |                                             |                                             | UC 28285                               |
|                                               |                             |                                             |                                             |                                        |
|                                               |                             |                                             |                                             |                                        |

## IDENTIFICATION NUMBER QASR IBRIM

| Identification Number Qasr Ibrim | Catalogue Number | Inventory Number Coptic Museum | Specialist Number Qasr Ibrim | Identification Number Other |
|----------------------------------|------------------|--------------------------------|------------------------------|-----------------------------|
| 10.206/A6                        | 30[c]            |                                |                              |                             |
| QI 74.2.28/4                     | 26[c]            |                                | Cam-3234                     |                             |
| QI 76.2.14/3                     | 10[c]            |                                | Cam-3006                     |                             |
| QI 78.2.2/42A                    | 28[c]            |                                | Cam-3148                     |                             |
| QI 78.2.5/27                     | 5                | CM 11965                       |                              |                             |
| QI 78.3.12/31                    | 80[c]            |                                |                              | EA 71820                    |
| QI 78.3.12/35                    | 110[c]           |                                | Cam-3599                     |                             |
| QI 78.3.12/44                    | 94[c]            |                                |                              |                             |
| QI 78.3.15/106                   | 76               | CM 11966                       |                              |                             |
| QI 78.3.15/107                   | 107[c]           |                                | Cam-3594                     |                             |
| QI 78.3.15/58                    | 25[c]            |                                | Cam-3671                     |                             |
| QI 78.3.16/71                    | 23[c]            |                                |                              |                             |
| QI 78.3.19/105                   | 113[c]           |                                | Cam-3522                     |                             |
| QI 78.3.19/115                   | 86[c]            |                                | Cam-3595                     |                             |
| QI 78.3.2/20                     | 112[c]           |                                | Cam-3527                     |                             |
| QI 78.3.20/12                    | 9                | CM 11955                       |                              |                             |
| QI 78.3.21/21                    | 81[c]            |                                |                              | EA 71819                    |
| QI 78.3.21/46A                   | 95[c]            |                                | Cam-3596                     |                             |
| QI 78.3.21/46B                   | 95[c]            |                                | Cam-3598                     |                             |
| QI 78.3.21/47                    | 96[c]            |                                | Cam-3597                     |                             |
| QI 78.3.22/56                    | 24[c]            |                                | Cam-3637                     |                             |



| Identification<br>Number Qasr Ibrim | Catalogue<br>Number | Inventory<br>Number Coptic<br>Museum | Specialist<br>Number Qasr<br>Ibrim | Identification<br>Number Other |
|-------------------------------------|---------------------|--------------------------------------|------------------------------------|--------------------------------|
| QI 78.3.26/24                       | 114[c]              |                                      | Cam-3509                           |                                |
| QI 78.3.26/26                       | 98[c]               |                                      | Cam-3600                           |                                |
| QI 78.3.26/27A                      | 115[c]              |                                      | Cam-3528                           |                                |
| QI 78.3.27/30                       | 97[c]               |                                      |                                    |                                |
| QI 80.1.20/84                       | 92[c]               |                                      | Cam-3635                           |                                |
| QI 80.1.20/85                       | 77[c]               |                                      | Cam-3589                           |                                |
| QI 80.1.21/121                      | 116[c]              |                                      | Cam-3630                           |                                |
| QI 80.1.21/92A-D                    | 78[c]               |                                      | Cam-3698                           |                                |
| QI 80.1.23/59                       | 99[c]               |                                      | Cam-3691                           |                                |
| QI 80.1.23/63                       | 75                  | CM 11951                             |                                    |                                |
| QI 80.1.23/64                       | 79[c]               |                                      | Cam-3694                           |                                |
| QI 80.1.23/66                       | 91                  | CM 11968                             |                                    |                                |
| QI 80.1.27/46A-D                    | 93[c]               |                                      | Cam-3700                           |                                |
| QI 80.1.27/48A                      | 82[c]               |                                      | Cam-3629                           |                                |
| QI 80.1.30/64B                      | 83[c]               |                                      | Cam-3555                           |                                |
| QI 80.1.30/79A                      | 84[c]               |                                      | Cam-3558                           |                                |
| QI 80.1.31/79                       | 100[c]              |                                      |                                    |                                |
| QI 80.1.31/85                       | 117[c]              |                                      | Cam-3701                           |                                |
| QI 80.2.10/68A                      | 104[c]              |                                      | Cam-3562                           |                                |
| QI 80.2.11/41A-E                    | 105[c]              |                                      | Cam-3546                           |                                |
| QI 80.2.11/85                       | 59                  | CM 11950/2                           |                                    |                                |
| QI 80.2.12/63                       | 106[c]              |                                      | Cam-3601                           |                                |

| Identification Number Qasr Ibrim | Catalogue Number | Inventory Number Coptic Museum | Specialist Number Qasr Ibrim | Identification Number Other |
|----------------------------------|------------------|--------------------------------|------------------------------|-----------------------------|
| QI 80.2.14/144                   | 88[c]            |                                | Cam-3590                     |                             |
| QI 80.2.16/115A                  | 89[c]            |                                | Cam-3628                     |                             |
| QI 80.2.2/89A                    | 108[c]           |                                | Cam-3557                     |                             |
| QI 80.2.2/89B                    | 108[c]           |                                | Cam-3553                     |                             |
| QI 80.2.2/89C                    | 108[c]           |                                | Cam-3267                     |                             |
| QI 80.2.28/96                    | 90[c]            |                                | Cam-3568                     |                             |
| QI 80.2.3/48                     | 111[c]           |                                | Cam-3699                     |                             |
| QI 80.2.3/73                     | 85[c]            |                                | Cam-3559                     |                             |
| QI 80.2.4/74                     | 87[c]            |                                | Cam-3560                     |                             |
| QI 80.2.6/108A                   | 101[c]           |                                | Cam-3592                     |                             |
| QI 80.2.6/108B                   | 101[c]           |                                | Cam-3563                     |                             |
| QI 80.2.6/121A                   | 118[c]           |                                | Cam-3681                     |                             |
| QI 80.2.6/121B                   | 118[c]           |                                | Cam-3680                     |                             |
| QI 80.2.6/121C                   | 118[c]           |                                | Cam-3256                     |                             |
| QI 80.2.7/125                    | 102[c]           |                                | Cam-3636                     |                             |
| QI 80.2.7/132A                   | 119[c]           |                                | Cam-3602                     |                             |
| QI 80.2.7/136                    | 103[c]           |                                |                              |                             |
| QI 80.2.7/95                     | 109[c]           |                                | Cam-3593                     |                             |
| QI 80.3.13/84                    | 57               | CM 11950/1                     |                              |                             |
| QI 80.3.14/44                    | 4                | CM 11967                       |                              |                             |
| QI 80.3.4/117                    | 63[c]            |                                |                              |                             |
| QI 82.3.5/64                     | 27[c]            |                                | Cam-3114                     |                             |

| Identification<br>Number Qasr Ibrim | Catalogue<br>Number | Inventory<br>Number Coptic<br>Museum | Specialist<br>Number Qasr<br>Ibrim | Identification<br>Number Other |
|-------------------------------------|---------------------|--------------------------------------|------------------------------------|--------------------------------|
| QI 84.1.21/28                       | 120[c]              |                                      |                                    |                                |
| QI 84.1.26/51                       | 138                 | CM 12372                             |                                    |                                |
| QI 84.1.26/52A                      | 140                 | CM 12371                             |                                    |                                |
| QI 84.1.9/53                        | 70                  | CM ?                                 |                                    |                                |
| QI 84.1.9/71                        | 53[c]               |                                      |                                    |                                |
| QI 84.2.22/35                       | 11[c]               |                                      |                                    |                                |
| QI 85.12.20/318;                    | 32[c]               |                                      |                                    |                                |
| QI 85.12.20/335                     | 121[c]              |                                      |                                    |                                |
| QI 85.12.20/345                     | 33[c]               |                                      |                                    |                                |
| QI 85.12.20/347                     | 31[c]               |                                      |                                    |                                |
| QI 85.12.26/49                      | 34[c]               |                                      |                                    |                                |
| QI 85.12.26/50                      | 35[c]               |                                      |                                    |                                |
| QI 89.12.23/16                      | 36[c]               |                                      |                                    |                                |
| QI 89.12.28/56                      | 122[ ]c]            |                                      |                                    |                                |
| QI 89.12.31/19                      | 123[c]              |                                      |                                    |                                |
| QI 90.1.15/43                       | 39[c]               |                                      |                                    |                                |
| QI 90.1.15/48                       | 29[c]               |                                      |                                    |                                |
| QI 90.1.2/32                        | 37[c]               |                                      |                                    |                                |
| QI 90.1.2/33                        | 38[c]               |                                      |                                    |                                |
| QI 90.1.2/35                        | 40[c]               |                                      |                                    |                                |
| QI 90.1.2/41                        | 41[c]               |                                      |                                    |                                |
| QI 95.1.2/128;                      | 44[c]               |                                      |                                    |                                |

| Identification<br>Number Qasr Ibrim | Catalogue<br>Number | Inventory<br>Number Coptic<br>Museum | Specialist<br>Number Qasr<br>Ibrim | Identification<br>Number Other |
|-------------------------------------|---------------------|--------------------------------------|------------------------------------|--------------------------------|
| QI 95.1.2/129                       | 43[c]               |                                      |                                    |                                |
| QI 95.1.2/81                        | 42[c]               |                                      |                                    |                                |
|                                     | 1                   | CM 4974                              |                                    |                                |
|                                     | 2                   | CM 4978                              |                                    |                                |
|                                     | 3                   | CM 4979                              |                                    |                                |
|                                     | 6                   | CM 4975                              |                                    |                                |
|                                     | 7                   | CM 2177                              |                                    |                                |
|                                     | 8                   | CM 3295                              |                                    |                                |
|                                     | 12[c]               |                                      |                                    | EA 53915                       |
|                                     | 13                  | CM 2174                              |                                    |                                |
|                                     | 14                  | CM 3297                              |                                    |                                |
|                                     | 15[c]               |                                      |                                    | 1889.1068                      |
|                                     | 16[c]               |                                      |                                    | EA 4395                        |
|                                     | 17[c]               |                                      |                                    | 11192                          |
|                                     | 18[c]               |                                      |                                    | E11830                         |
|                                     | 19                  | CM 3302                              |                                    |                                |
|                                     | 20                  | CM 11393                             |                                    |                                |
|                                     | 21                  | CM 3299                              |                                    |                                |
|                                     | 22                  | CM 12171                             |                                    |                                |
|                                     | 45[c]               |                                      |                                    | SAIUH 354 FJ)225               |
|                                     | 46[c]               |                                      |                                    | SAIUH 355 FJ [1]               |
|                                     | 47[c]               |                                      |                                    | SAIUH 355 FJ?<br>[2]           |



| Identification<br>Number Qasr Ibrim | Catalogue<br>Number | Inventory<br>Number Coptic<br>Museum | Specialist<br>Number Qasr<br>Ibrim | Identification<br>Number Other |
|-------------------------------------|---------------------|--------------------------------------|------------------------------------|--------------------------------|
|                                     | 48[c]               |                                      |                                    | SAIUH 358 FJ[1]                |
|                                     | 49[c]               |                                      |                                    | SAIUH1165<br>FJ1228            |
|                                     | 50[c]               |                                      |                                    | SAIUH1168 FJ374                |
|                                     | 51[c]               |                                      |                                    | SAIUH1175 FJ732                |
|                                     | 52[c]               |                                      |                                    | SAIUH1177 FJ884                |
|                                     | 54[c]               |                                      |                                    | SAIUH31912 Inv.<br>Nr. 3       |
|                                     | 55                  | CM 3300                              |                                    |                                |
|                                     | 56                  | CM 3306                              |                                    |                                |
|                                     | 58                  | CM 3309                              |                                    |                                |
|                                     | 60                  | CM 2171                              |                                    |                                |
|                                     | 61                  | CM 2157                              |                                    |                                |
|                                     | 62                  | CM 2158                              |                                    |                                |
|                                     | 64[c]               |                                      |                                    | 5513                           |
|                                     | 65[c]               |                                      |                                    | EA 20942                       |
|                                     | 66[c]               |                                      |                                    | 1914,0902.3                    |
|                                     | 67[c]               |                                      |                                    | 1888.1131                      |
|                                     | 68[c]               |                                      |                                    | 1973.2.121                     |
|                                     | 69[c]               |                                      |                                    | 1973.2.125                     |
|                                     | 71                  | CM 3308                              |                                    |                                |
|                                     | 72                  | CM 3305                              |                                    |                                |
|                                     | 73                  | CM 10357                             |                                    |                                |

| Identification<br>Number Qasr Ibrim | Catalogue<br>Number | Inventory<br>Number Coptic<br>Museum | Specialist<br>Number Qasr<br>Ibrim | Identification<br>Number Other |
|-------------------------------------|---------------------|--------------------------------------|------------------------------------|--------------------------------|
|                                     | 74                  | CM 3301                              |                                    |                                |
|                                     | 124                 | CM 11395                             |                                    |                                |
|                                     | 125                 | CM 2162                              |                                    |                                |
|                                     | 126                 | CM 2173                              |                                    |                                |
|                                     | 127                 | CM 2155                              |                                    |                                |
|                                     | 128[c]              |                                      |                                    | EA 53917                       |
|                                     | 129[c]              |                                      |                                    | EA 4416                        |
|                                     | 130                 | CM 2159                              |                                    |                                |
|                                     | 131                 | CM 3304                              |                                    |                                |
|                                     | 132[c]              |                                      |                                    | EA 32604                       |
|                                     | 133                 | CM 11963                             |                                    |                                |
|                                     | 134                 | CM 3315                              |                                    |                                |
|                                     | 135                 | CM 10359                             |                                    |                                |
|                                     | 136[c]              |                                      |                                    | EA 57313                       |
|                                     | 137[c]              |                                      |                                    | UC 28285                       |
|                                     | 139                 | CM 2165                              |                                    |                                |
|                                     | 141                 | CM 2172                              |                                    |                                |
|                                     | 142                 | CM 2166                              |                                    |                                |











# CATALOGUE OF THE FOOTWEAR IN THE COPTIC MUSEUM (CAIRO)

■ This catalogue presents the ancient Egyptian footwear in the collection of the Coptic Museum in Cairo. The catalogue contains detailed descriptions and measurements, photographs and drawings. Each description of a footwear category is followed by short discussions, addressing topics such as typology and dating. In addition a fairly large corpus of comparative material is presented as well, none of which has been published before. The present work will form an important resource for future study.

This catalogue is one of the results of the Nuffic Tailor Made Training for the curators of the Coptic Museum in Cairo, jointly organized by the Netherlands-Flemish Institute in Cairo and the American University in Cairo in close collaboration with the Bibliotheca Alexandrina, the Coptic Museum Authorities and the Ministry of State for Antiquities Affairs.

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*Dr. Salima Ikram is Professor of Egyptology at the American University in Cairo, and has worked as an archaeologist in Egypt since 1986, directing the Animal Mummy Project, and co-directing the Predynastic Gallery project, the Egyptian Museum Chariot Project, and the North Kharga Oasis Survey. Dr. Ikram has lectured and published extensively, both for children and adults.*



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المعهد الهولندي-الفلمنكي بالقاهرة  
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