



EXCAVATIONS OF
GEBEL ADDA

(LOWER NUBIA)

ANCIENT NUBIAN
LEATHERWORK

PART I: SANDALS
AND SHOES

ANDRÉ J. VELDMEIJER

EXCAVATIONS OF GEBEL ADDA
(LOWER NUBIA)



EXCAVATIONS OF GEBEL ADDA
(LOWER NUBIA)

ANCIENT NUBIAN LEATHERWORK
PART I: SANDALS AND SHOES

ANDRÉ J. VELDMEIJER

© 2016 A.J. Veldmeijer

Published by Sidestone Press, Leiden
www.sidestone.com

Lay-out: A.J. Veldmeijer
Cover Design: Sidestone Press
Photographs cover: A.J. Veldmeijer

ISBN 978-90-8890-412-7 (softcover)
ISBN 978-90-8890-413-4 (hardcover)
ISBN 978-90-8890-414-1 (PDF e-book)

Contents

Preface	8
Introduction	9
Millet's Fieldwork	10
Post-Excavation	10
Dating	11
Research Methodology	12
Objectives	12
Analytical Strategy	12
Materials and Methods	12
Terminology	13
The Catalogue	16
Note on the Figures	18
Preliminary Analysis	19
Introduction	19
Sandals	19
General	19
Classic Nubian Sandals	20
Toe-Shaped Sandals	44
Leather-Reinforced Plaited Sandals	45
Independent Pre-Strap Sandals	47
Shoes	49
General	49
One-Piece Shoes	49
Stubbed-Toe Ankle Shoes	53
Montebault's <i>Classe X, Type B, variante 2</i>	53
Ottoman Shoes	54
Discussion	55
Bibliography	56
Catalogue	59
Sandals	61
Classic Nubian Type I	61
Classic Nubian Type II	128
Classic Nubian Type III	130
Toe-Shaped Sandals	155
Leather Reinforced Plaited Sandals	160
Independent Pre-Strap	163
Unidentifiable	184

Shoes	198
Montembault's <i>Classe IV, Type B, Variante 2</i>	198
High Shoe, Loop/Lace Attachment	202
Montembault's <i>Classe X, Type B, Variante 2</i>	208
One-Piece Shoes	216
Stubbed Toe Ankle Shoes	225
Ottoman	229
Unidentified	240
Concordance	242
Catalogue Number	242
ROM Registration Number	248
Provenance	254
Typology	260
Date	266

Preface

The present work, the first of two volumes on the leather finds from Gebel Adda, focuses on footwear (sandals and shoes), which are currently housed in the Royal Ontario Museum (ROM) in Toronto. The objects were studied during two visits (in 2009 and 2010), but time was insufficient to study the archive of the excavations as well. Although this is scheduled for the near future, it was decided that it was important to proceed with the publication of the present analysis and catalogue, in close consultation with colleagues from the ROM. Therefore, topics related to provenance (such as distribution patterns, relationships within the tomb assemblages, and social context) are not included here, but will be part of the second volume. As will be explained, the history of the excavation, especially after the seasons of fieldwork, is problematic, which will significantly hamper this kind of research. A technological analysis of the leatherwork,¹ as well as skin processing techniques,² will also be discussed in detail in the future work; the focus here will be on typological issues.

I want to thank Krzysztof Grzymiski, Senior Curator, Egypt & Nubia of the ROM for inviting me to study the material and making the research possible. The support of the ROM and Friends of the ROM is also greatly appreciated. I am indebted to Bill Pratt for his help as well as for explaining the history of the leatherwork collection in the museum: the section on the ROM Registration Number largely draws upon my correspondence with him. The material of various collections and excavations are used for comparison and some are also depicted: I am indebted to the Egypt Exploration Society and the British Museum London for allowing me to study and use the material from Qasr Ibrim. The latter as well as the Ashmolean Museum Oxford and the Egyptian Museum in Cairo/Ministry of Antiquities are acknowledged for their permission to study comperanda. I am grateful to the Institut Français d'Archéologie Orientale (IFAO) for the use of the Fustat finds. I would like to thank Ariel Singer, who did such a wonderful job checking the English on grammar (note that mistakes are solely my own responsibility). Sidestone Press is acknowledged for their help and support. Finally, I want to thank Erno Endenburg for his all-round help and support, as always!

1 For an introduction to Nubian leatherwork technology, see Veldmeijer & Skinner (In Press).

2 A large scale research is ongoing, but see Veldmeijer & Skinner (In Press).

Introduction

Gebel Adda is located opposite the town of Ballana, near the temple at Abu Oda, about 5 km south of Abu Simbel in southern Egypt (or rather Lower Nubia), near the present-day border between Egypt and Sudan (Figure 1). It was a major urban centre from the late Meroitic Period to the Medieval times (roughly 100-1600 AD). The site was excavated during the course of four campaigns between 1963 and 1966 by the American Research Center in Egypt's Nubian Expedition, directed by Nicholas B. Millet, and published in several preliminary reports (Millet, 1963; 1964, 1967a; 1967b). When Millet and his team started, the site had only been very superficially studied (Millet, 1963: 147): Weigall had described some visible remains, and before him the site had only been visited by travellers like Burckhardt. More importantly, the first actual excavations had been conducted by the University of Alexandria: they managed to excavate the larger part of the Christian cemetery (Cemetery Two) as well as several tumuli in Cemetery One (El-Amir, 1963). Millet (1964: 10) did some work in Cemetery Two in the second season, but limited it to surface clearing. However, in subsequent seasons the Late Christian extension of Cemetery Two was opened and “some forty of the more than a hundred mud-brick mastabas” were excavated (Millet, 1967a: 62).

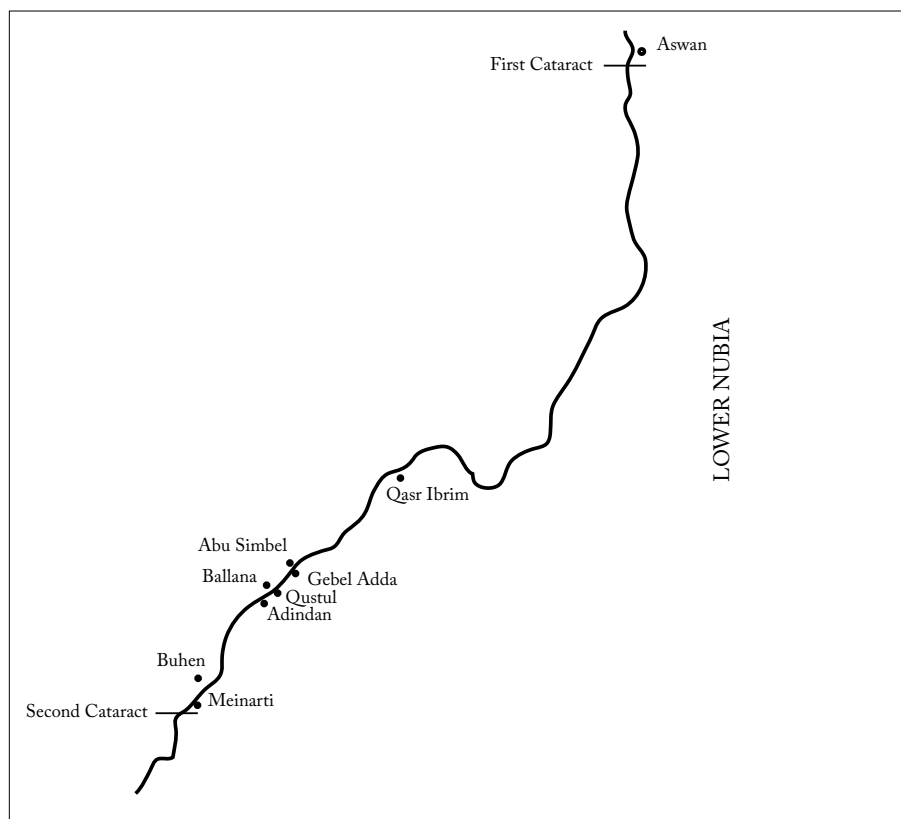


Figure 1. Map of Lower Nubia, showing Gebel Adda and sites mentioned in the present work.

Millet's Fieldwork

Millet's work started in 1963 with Cemetery One, where the team excavated 170 tombs, all of which were thoroughly plundered (Millet, 1963: 155). Later in the season, work was started in Cemetery Three simultaneously with work on the Citadel, where "four hundred or so" tombs were excavated (Millet, 1963: 154). Cemetery One primarily dates to the (late) X-group³ (Millet, 1963: 153), but also contains 30 tombs from the Early Christian period and 10 Islamic tombs (Millet, 1963, 1967b: 124; see also Huber & Edwards, 2010: 83). Cemetery Three contained tombs of several different periods, which, on occasion, lay close to, or are even cut into, each other (Millet, 1963: 154). It is clear, however, that the "X-group settlers expropriated" a Meroitic tomb field since all the tombs, including the pyramids (*Ibidem*, 1967b: 4) contained the plundered remains of early Post-Meroitic burials rather than from Meroitic times. Later Post-Meroitic tombs were more often newly dug. The cemetery, just as Cemetery One, contained (recent) Muslim graves as well (*Ibidem*: 156). During the next season, work in Cemetery Three continued, now focusing on the 'undisturbed' Meroitic cemetery. However, this was unsuccessful as "the nature of the tombs and their contents continued much the same as those excavated last year, and the only significant difference noticeable in the newly cleared area is that the tombs are almost entirely of the Early X-group period with very few graves of later X-group times represented" (*Ibidem*, 1964: 9). The archaeologists further observed that in later times the centre of Cemetery Three was not used, but rather burial occurred in the area around the pyramid field and that marginal to Cemetery One.

Part of the footwear originates from Cemetery One (eight catalogue entries, see 'Concordance. Provenance'), according to Millet (1963: 148) "the large field of X-group tumuli lying to the east and south of the citadel" and Cemetery Three "in the plain directly east of the citadel" (*Ibidem*). Cemetery Three produced the most entries (65 catalogue entries, including 973.24.3242.2, Cat. No. 71, which might come from Cemetery Five; see 'Concordance. Provenance'). Several trenches in occupational layers produced finds too. Finds in general were much more abundant in Cemetery Three, which Millet (1963: 159) explains occurred "since no traces of mounds were found in Cemetery Three and there is no reason to believe that any superstructure ever existed in most cases. Thus, although all of the tombs were robbed in ancient times, a higher number of them seem to have escaped the more sophisticated seekers after antiquities in recent years." Here, many of the quivers were also found.

Post-Excavation

Millet's excavations and thus also the objects, have never been published, although, besides the field reports (Millet, 1963; 1964; 1967a, b) there are a few recent articles examining the site's remains (Huber & Edwards, 2010; Millet, 1987; 2005).⁴ A possible hint as to the reason for the lack of publication is given by Millet himself (1964: 12), who wrote that "any attempt at complete publication is being postponed until after the Project is complete and the site abandoned", possibly indicating he did not see the fieldwork as being finished, even after his multiple

3 Here referred to as 'Post-Meroitic'.

4 See Grzymalski, 2010 for the problematic history of the expedition since the fieldwork.

seasons of excavation. The current senior curator of the ROM, responsible for the Egyptian and Nubian collection, Krzysztof Grzymiski, has thus initiated a study and publication of the finds (Grzymiski, 2010: 25), since a large quantity of the excavated material is housed in that collection. Unfortunately, as noted by Grzymiski (2010: 25), the post-excavation history is problematic, prohibiting even a posthumous series of reports of the actual excavation. This, obviously, limits discussion of the circumstances in which the material presented in this volume was found. However, happily, for the vast majority of cases, it *is* known from which tomb each object was excavated, allowing us to compare it with other finds from the same tomb and cemetery. Even given these limitations, most of the unprovenanced material has been studied and is included in the present work. Although it seems highly unlikely that it will be possible to identify the provenance for most of these pieces, dating the material might be possible nonetheless.

Dating

The re-use of Meroitic tombs in Post-Meroitic times meant that, at best, only a very small amount of the material from this earlier period had survived, to the great disappointment of the mission (Millet, 1964: 12). Thus a majority of the finds dates to the Post-Meroitic period, but since little of the excavations has been studied and published so far – including pottery – a detailed, well-funded dating of the various periods is somewhat problematic. However, suggestions as to the larger periods have been made by the archaeologists (*i.e.* Meroitic, Post-Meroitic). The dating of the nearby site of Qasr Ibrim (Figure 1), which is fairly established, is therefore used in the present work as an indicator. Thus:

Meroitic 1: c. 100-200 AD

Meroitic 2: c. 200-350 AD

Meroitic X: c. 350-400 AD

Post-Meroitic 1: c. 400-500 AD

Post-Meroitic 2: c. 500-550 AD

Post-Meroitic C1: c. 550-600 AD

Post-Meroitic C2: c. 600-650 AD

Early Christian 1: 650-700 AD

Early Christian 2: 700-850 AD

Classic Christian 1: 850-1000 AD

Classic Christian 2: 1000-1100 AD

Late Christian 1: 1100-1300 AD

Late Christian 2: 1300-1400 AD

Terminal Christian: 1400-1500 AD

Ottoman: 1570-1811 AD

Research Methodology

Objectives

As explained elsewhere (Veldmeijer 2010: no page numbers) “Nubia’s history is, in some respects, studied much more thoroughly than Egypt’s history. This is in a large part due to the UNESCO campaigns related to the building of the High Dam in Lake Nasser. The study of the finds, however, and especially those that are made of organic materials, such as leather, has been largely neglected and thus our knowledge is rather limited. This makes the study of the ROM collection important in itself: [it] includes many extraordinary and spectacularly well-preserved objects, such as quivers, exquisitely-decorated and made shoes and certain types of sandals [...]. Perhaps even more important is the fact that, due to the excavator’s systematic way of working, we know [...] where [most of] the finds were recovered, which allows us to investigate the leatherwork’s various cultural aspects based on its context. This is important because only through knowing the provenance is the archaeologist able to put the finds in a broader, socio-cultural perspective and investigate the symbolic meaning of an object and its production. In other words, the context can give information about the owner and the way he or she (and thus the society at large) valued the object. Moreover, the association with finds that are valuable for dating, such as pottery, helps date the leatherwork more securely (although, to certain extent, dating is possible with leather footwear too) and thus allows for the interpretation of the objects (and their development) over time. Several studies of leatherwork, including footwear, are currently being carried out [which] allows for a detailed comparison and study of regional differences. Thus the Gebel Adda collection [has the potential to] play an important role in understanding the development of leather production in Nubia as well as in Egypt and their relationship.”

Analytical Strategy

The footwear is analysed within the framework of the Ancient Egyptian Footwear Project (AEFP), which also includes foreign footwear found in Egypt, and Nubian footwear. The Project is a multidisciplinary research mission into ancient Egyptian footwear from Predynastic to Coptic times (for a more detailed account see Veldmeijer, 2011a: 11-15). The non-footwear leatherwork is analysed within the framework of the Ancient Egyptian Leatherwork Project (AELP). In both cases the focus is on manufacturing technology; skin processing techniques and related research (see below) need a specialised strategy, which is scheduled to be addressed in the future. A detailed explanation of this project was presented as part of the sub-project on Amarna’s leatherwork and is still valid (see Veldmeijer, 2011b).⁵

Materials and Methods

Work consisted of a macroscopic study (including the use of simple tools such as magnifying glasses), a resulting verbal description, measurements and, if necessary, drawings, as well as photography. When possible, the finds were photographed from all sides. However, this proved impossible in certain cases, because the objects were too fragile and needed consolidation first, hence the lack

⁵ See www.leatherandshoes.nl for more information on both projects.

of images of some surfaces. Photography was done with limited light (natural as well as artificial) and taken with a Kodak Colour Card for the registration of true colour. Processing the photographs digitally to cut away the background as well as upgrade colour was, therefore, a necessary default procedure. A Canon EOS 300D Rebel camera was used with a macrolens (Tamron 90/2, 8 DI CAF SP).

Terminology

The terminology that is used in the present work is based on Goubitz *et al.* (2001: 317-324). As they based their work on European footwear, expansion and adjustment proved inevitable for the Egyptian material, thus additional terms from Veldmeijer (2012; see also Veldmeijer, 2011a) are used, which is included below. Several terms, however, have been added. Terminology of knots is after Veldmeijer (2006).

Additions or alterations by present author are between []:

[Anterior - front or toe part of a foot or piece of footwear; towards the front];

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;

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 as 'elongated backpart') - the large extended part on the backpart];

[Backstitch - a stitch that is sewn backwards to the working direction. This can be in one line, resulting in a unbroken line of stitches, or diagonally.

Butt seam or butted seam - join made by placing the two edges together and sewing from the leather's surface through the thickness of the edges and through to the surface of the adjoining leather, often know as being sewn edge/flesh (split closing); the seam is invisible on the reverse side;

[Closed shoe - Veldmeijer (2011a: 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];

[Drawstring (Grew & De Neergaard, 1988: 123) - Fastening achieved by passing a leather thong either through a number of short paired slits in the shoe upper [...] or through a series of vertical thongs [...];

[Ear - Veldmeijer (2011a: 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, 2011d; In Preparation];

[Edge] binding - strip of leather whip-stitched [or 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 (2011a: 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 run between the first/second and third/fourth toe) towards the back straps];

[Heel strap - Veldmeijer (2011a: 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 dorsal-most 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'];

Internal strengthening - reinforcement leather pieces on the inside of the shoe; after 1500 AD [in Europe] external reinforcements also occur on some shoes and boots (see 'heel stiffener');

[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 [and knotted. The laces in the Ottoman shoes holds the two sides roughly together rather than tightening the shoe to the feet properly]];

[Lace attachment area - dorsally protruding element on the front of the side of the backpart to which the laces are secured];

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 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;

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 (2011a: 268): the connecting element of the back- and/or heel strap to the sole];

Quarters - the sides of the shoe upper joining the vamp at the front, and each other at the heel with a backseam. Name derived from the cutting pattern layout for a shoe upper: the vamp making one half of the upper and the two sides making up the other half; a half halved is a quarter, hence four quarters to a pair of shoes;

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;

Slip-on shoe - a shoe without any means of fastening or closure;

[Sole - Veldmeijer (2011a: 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 (2011a: 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;

[Stem stitch - see 'backstitch'];

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];

Tongue - a piece of leather sewn into the fastening opening to stop dust or water from entering, or a backwards extension of the vamp, lying on the instep of the foot;

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 as 'elongated/extended vamp']: an extension at the vamp that reaches to the instep joint;

[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 [...].

The Catalogue

Catalogue Numbers (Cat. No.)

Catalogue numbers are assigned because it makes it easier to refer to the objects, as well as to find them by means of the concordances.

ROM Registration: Group & Number

The first part of the accession number is the year of acquisition. In 1973 the collection came to the ROM as a permanent loan from the National Geographic Society, Washington, D.C., which had funded Dr. Miller's 1962-1966 seasons and owned the collection. Each object was assigned an L973 number. In the 1980s, the National Geographic Society changed the status from a loan to a gift and the number was changed from L973 to 973.

The second part of the number is the lot. The ROM Registration Department assigns the accession numbers for each acquisition of the World Cultures department and at the beginning of each calendar year the lot number begins at 1. For example, the 973.1 series is a collection of Canadiana miniatures, the 973.2 series is three Japanese prints. Gebel Adda was the 24th lot acquired in 1973.

The third part of the number is the running object number. If an object has component parts, or is part of a pair or larger group, the number acquires a fourth part – for example, 973.24.2010.1 and .2., are a pair of sandals. Because the leather finds mentioned under 'ROM Registration: Group' might belong to different types of objects (for example fragments of quivers and sandals), sub-numbered fragments might have been catalogued elsewhere, *i.e.* in the appropriate functional group. This is indicated with 'ROM Registration: Number'.

Excavation/Field No.

Some finds were registered by the archaeologists and the Egyptian antiquity organisation at the time, resulting in a number starting with the year of excavation (for example '63:12:50', which is a sandal, see Cat. No. 1).

Object

An indication of what the object is is given under the 'object' label, identifying it within the functional group (such as 'sole fragment'). Note that the exact description cannot always be given. For example, 'sole' might refer to the complete

sole of a sandal or the larger part of it. Another example is that 'fragments' means small pieces of an object without the designation of any specific part of a larger object.

Provenance

The specific place within Gebel Adda where the objects were found. By far the majority of finds have been registered from tombs.

Date

The dating of the provenance. It should be noted that exact dating is forthcoming, as the analyses of the pottery is in process (see above). Therefore, the dating system that was developed for the nearby-site of Qasr Ibrim is used as an indicator.

Measurements

If two measurements are separated by a hyphen, it indicates the smallest and largest size. Measurements of fragments for which the sides cannot be determined and hence no 'length' or 'width' can be recognised, are noted with 'x'. All measurements are in millimetres, unless otherwise stated. Abbreviations: d = diameter; h = height; l = length; t = thickness; w = width. Measurements marked with * are approximate. With Classic Nubian Type III sandals, measurements of the waist are taken at the start of the pre-strap, though technically speaking this is not the waist of a sandal.

Material

This entry is only used when material other than leather is present, such as (raw) hide, sinew or flax.

Colour

The colour is indicated in a broad sense; a precise colour designation system, such as a Munsell Color System, has not been used.

Remarks

Here, one can find a statement noting if the object is not illustrated or sub-numbered or if the entry includes undescribed, featureless scraps. Occasionally, information of a different nature, such as on the provenance (Tomb Cards), can be found here as well.

Description

A detailed description, combined with a comparison and discussion of each type of footwear is presented in the analysis. In the catalogue, the description of the objects focuses on deviant features and conditions. The material is described without exhaustive references; these can also be found in the analysis. In some cases, reference to another object is made for the general description, whereas the text itself concentrates on the differences in comparison to the referred object.

Note on the Figures

The numbers in the figures of the catalogue is the 'running object number' (see the section above which explains the catalogue. The diagrams, which clarify the construction, are not to scale. The scale bars in the figures and photographs represent 50 mm unless otherwise stated. The photography and artwork is by André J. Veldmeijer and Erno Endenburg, unless otherwise mentioned.

Preliminary Analysis

Introduction

The whereabouts of one pair of shoes, a pair from Tomb 73, Cemetery Three (Millet, 1963: 152, fig. 6) is currently unclear: it is not among the material studied in the ROM. It is probably housed in a museum in Egypt. It is known that some finds were moved to the Islamic Museum in Cairo (Millet, 1987: 34, n. 7; Grzymski, 2010: 25, 26), whereas others were moved to the Coptic Museum in Cairo (Millet, 1987: 34, n. 2), or the Egyptian Museum (Grzymski, 2010: 25). It is not unlikely that afterwards objects were transferred to still other museums or magazines of the Ministry of Antiquities.

Several pieces are not included in the present work and others are studied only superficially (such as 973.24.673, Cat. No. 115 and 973.24.2758, Cat. No. 116) because the leather was too fragmented and fragile for hands-on study prior to consolidation and conservation. The study of these is scheduled for a future season, pending conservation work, although ideally the conservation and study should happen simultaneously. Among these is also 973.24.2780, from Pyramid 3 (Cemetery Three), which was, according to Millet (1963: 163), a burial “sufficiently rich in nature that we are justified in concluding that the occupant, a young man of some height and sturdy frame, was a chieftain or person on importance”. Millet (1963: 163) mentions that close to the entrance they found “a mass of decayed leather which on examination proved to be a pair of tooled leather sandals.” Additional objects that were too fragile to study include a pair of fur/hair lined shoes, 973.24.3387 of unknown provenance, and a fragment of shoe on top of other leather fragments (973.24.2689) from Cemetery Three, Tomb 226.

Sandals

General

The category of sandals contains by far the greatest number of examples of footwear from Gebel Adda. It includes, in addition to the various types of leather sandals, examples that are made of vegetal material too, such as Plain Plaited Sandals (not discussed in the present work; *cf.* Veldmeijer, 2009a). The various types will be discussed and compared with finds from other sites and in museum collections. Sandals with integrally cut pre-straps, especially those identified as Type 1, are very commonly found in Nubian contexts and were found at many Nubian sites – including Kerma (Dunham, 1982⁶), Qasr Ibrim (Veldmeijer, 2012: 33-46; Own Obs. Pre-Ottoman material), Gebel Adda (present work) and Ermenne (Junker, 1925: 20-23) – hence the name of the sub-category: Classic Nubian sandals. Williams (1983: 71-75) published the finds from Adindan and created a classification, which is discussed below.⁷

6 Based on the few depicted sandals; the descriptions are too general to be sure about the types..

7 See also Veldmeijer (2012: 34).

Classic Nubian Sandals

Notes on Typology

The majority of the sandals (137 entries out of 223; also including tentatively classified objects – note that this will be the procedure throughout this volume) from Gebel Adda are so-called Classic Nubian sandals, which is a sub-category of the category Integral Pre-Straps (Figure 2). On these sandals the pre-straps, the element that connects the back (and heel-) strap to the sole, are integrally cut from the sole's leather. The difference between the subcategories 'Egyptian Eared Sandals' and 'Nubian Eared Sandals' is explained by Veldmeijer (2011[c]: 2-3) thus: "Distinctions between the various types of Eared Sandals are based on two features [...]: the shape of the sole and the layout of the front strap (single or double).^[8] The type of decoration helps to distinguish Nubian from Egyptian sandals, but several Predynastic exceptions make it non-universal in character. Although other categories of sandals have comparable pre-straps, the shape of the sole usually differs markedly. Further categories of sandals with pre-straps that are integrally cut from the sole's leather are excluded from the Eared Sandals type because they have other features that are [...] regarded as more characteristic and more important. For example, Leather Composite Sandals usually have a different sole shape and are (elaborately) decorated with appliqué and colours [and might have padding] (Veldmeijer, 2009[b]). The sandal from Meir (Veldmeijer, 2013[a]) differs in many ways from Eared Sandals, but still has pre-straps that are cut from the leather of the sole. They are, however, much longer and, like those in Leather Composite Sandals, clad – cladding of pre-straps [in Classic Nubian Sandals does not occur] – and are cut from the heel's circumference.^[9] Also, the pre-straps in an open shoe in the Egyptian Museum in Cairo (Veldmeijer, 2009[d]) are integral with the sole (actually, pre-straps are cut from both sole layers), which are secured with the attached back strap.^[10] But the sole shape is much more comparable to Leather Composite Sandals (*cf.* Veldmeijer, 2009[b])."

Veldmeijer (2012: 34) explains "The subcategory Classic Nubian Sandals consists of three types [as explained in detail below, (Figure 3)]. The sandals with a large triangular pre-strap that protrudes from the heel (Montembault A 1; Leguilloux' 1b and c [but see below]) are referred to [here] as 'Type I'. [...] Type III are sandals in which the elongated pre-strap protrudes from the heel, but usually from the posteriormost edge (Leguilloux' 1a)." Type II is far less common, and might be an intermediate shape. The edge of the heel is convex and the rounded pre-straps are, therefore, not situated at the back edge proper but slightly before it. Williams (1983: 73) notes about the finds from Adindan that "since the strap arrangements are so poorly preserved, the classification has to be made on the basis of the shape and structure of the sole and the portion that is most often preserved, *i.e.*, the portion closest to the sole" [this is the start of the pre-strap]. Veldmeijer (2011c: 3) relates that Williams "distinguishes four major categories

8 The shape of the pre-strap also differs, as does the position of the pre-straps (in several examples the pre-straps are situated at the heel, see below), but these differences are either minor, or exceptional and not considered valuable as feature for the typology. They occur, albeit very rarely, in all types and variants.

9 Several sandals are discussed below in which the pre-straps are also cut from the heel, but not from the circumference.

10 The cladding of one of the pre-straps has nothing to do with securing the two straps.

Category	Sub-Category	Type	Variant	Sub-Variant
Integral Pre-Strap	Egyptian Eared Sandals	Straight Sole	Single Sole Layer Multiple Sole Layers	
		Swayed Sole	Single Sole Layer Multiple Sole Layers	
	Nubian Eared Sandals	Singe Front Strap	Single Sole Layer Multiple Sole Layers	
		Double Front Strap	Single Sole Layer Multiple Sole Layers	
Classic Nubian Sandals	Type I		Variant A	Single Front Strap Double Front Strap Single Front Strap Double Front Strap
			Variant B	
			Variant C	
	Type II		Variant A	
			Variant B	
	Type III		Variant A	Single Front Strap Double Front Strap Single Front Strap? Double Front Strap

Figure 2. Summary of the classification of sandals with integrally cut pre-straps, based on Veldmeijer (2011c: 2-3; 2012: 33-46 and the present work).

of which one is divided into two subcategories, based on the presence or absence of decoration. Interestingly, Williams' Form II sandals consist of a sole that is cut from one sheet of leather which is folded at the toe (1983: 72; *cf.* Museo Egizio S.14043 in Veldmeijer, 2011c: 4-5 [...]).¹¹ According to Veldmeijer (2009c: 3) "the specimens studied by Williams show a clearly rounded front, which means that the fold was very small. This is in contrast to the sandals in the Museo Egizio in Turin [...], where the front is square, because the two sole layers are folded at the front. Williams' third form is based on the different construction of the straps (using a slit/pull technique rather than simple strips of leather): this is the group that is further divided into undecorated (III-A) and decorated (III-B) sandals. Williams' last form "is a single-soled sandal to which a heel has been added" (Williams, 1983: 75). However, the original heel of this specimen (E 23369 in the Oriental Institute Museum, Chicago) is heavily worn and the additional heel is a repair rather than an original feature.¹²"

Leguilloux (2006: 102) has published Eared Sandals that were recovered from Didymoi, a Roman *Praesidium* in Egypt's Eastern Desert, and classified them in several types and variants. Veldmeijer (2012: 34) has re-classified Leguilloux's 1b and c to his Type I. Now this can be challenged and a revision of the typology can be proposed. The sandals from the fort differ in one important way from the Eared Sandals: the sole increases in width towards the front, rather than showing a restricted waist, and the front is squared rather than rounded. Still, the pre-straps are similar to those seen in Type I, thus this square-front-sandals can be classified as a variant of Type I. Variant IA can thus be divided into those with a square front (sub-variant 'Square') and those with a rounded front (sub-variant 'Rounded'), both of which can be further distinguished as having a single or double front strap (Figure 2). Only Type IA with a rounded front and a double front strap has been found in Gebel Adda. Examples with a single front strap are known from Qasr Ibrim. Sandals of the Square sub-variant with a single front strap are known from, among other sites, Didymoi and Qasr Ibrim; those with a double front strap are also found in Didymoi. Variant B and C of Type I are only equipped with a double front strap.

Description

Classic Nubian Type I sandals (Figure 3) are by far the most common (105 entries). There exists some variation within it, such as the size of the triangular pre-straps as well as the decoration. The pre-straps are used to further divide the type into Variants (A [20 Cat. Nos.], B [26 Cat. Nos, one possible Cat. No. and with two either B or C] and C [six Cat. Nos.]). Variant A has relatively small pre-straps that are positioned far back towards the heel of the sandal. In Variant B, the pre-straps are much larger (up to nearly half of the length of the sole) and wider. The triangular pre-straps in Variant C are equally large, and the sides widen in a straight but diagonal line towards the front. In some sandals, the extension is limited to the heel itself (for example 973.24.2010, Cat. No. 1), but in 973.24.2682 (Cat.

11 This was not observed by the present author during his hands-on study of the objects in the Oriental Institute Museum, Chicago, but this might be due to the condition of the material.

12 The construction for sandals from Ermenne as described by Junker (1925: 20, Blatt 1, Abb. 4), and to which Williams refers seems, however, an original construction. A sandal in the Louvre collection (Montebault, 2000: 64, 106), albeit of a different type (Leather Composite Sandal), is also a repair (Veldmeijer, 2009b: 22).

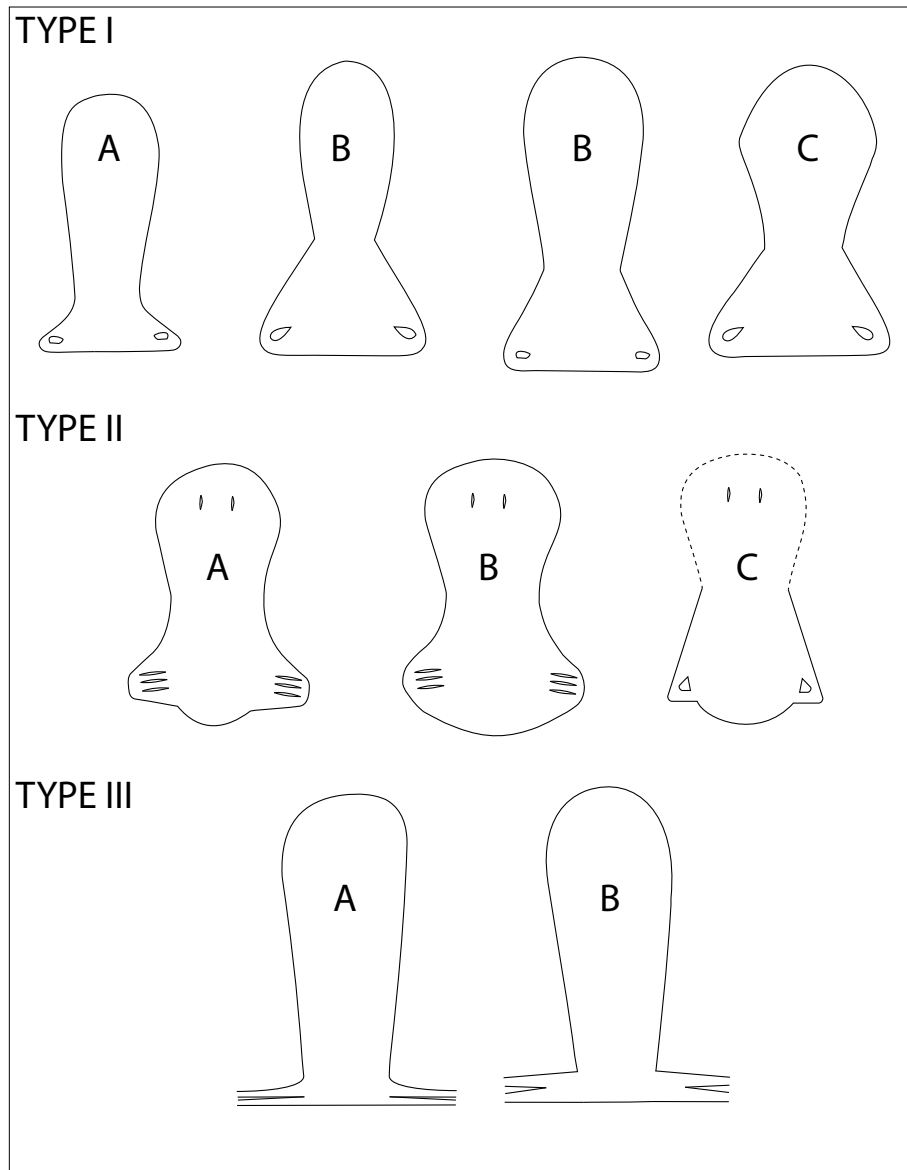


Figure 3. The three different types of Classic Nubian Sandals. Adapted and revised after Veldmeijer (2012: 35).

No. 28) the triangular pre-strap is larger and the expansion of the sides begins already at approximately two-thirds through the length of the sandal, from the front. Even larger is the triangular pre-strap extension in 973.24.2753 (Cat. No. 27); here, it occupies nearly half of the length of the sandal. Although the majority of the sandals have straight sole shapes, several are not symmetrical lengthwise and can, therefore, be referred to as swayed. A peculiar feature, seen only occasionally, is found in sandals in which the sides expand into a straight but diagonal line towards the front. Shortly before the rounded front, however, there is a clear angle where the diagonal edges change into the rounded front edge (e.g. 973.24.2671, Cat. No. 51). These sandals are referred to as Type C. The angle is probably intentional and might be a feature resulting from the tool that was used, either to draw the shape of the sandal on the leather or to cut the shape out of the leather.

In Type I Classic Nubian Sandals, the dorsal surface of the sole may be decorated, including stamped and impressed motifs and lines, or incised lines. Hair may still be present as well.

Type II¹³ is represented by only one pair of sandals and is therefore the smallest group in the Category of sandals with integrally cut pre-straps. Type II is quite similar to Type I, but the pre-strap is no longer truly triangular, but rather significantly more square. The example from Gebel Adda (973.24.2012, Cat. No. 58) has three slits through which the back- and heel straps are hitched. Another characteristic is that the heel's edge is not straight but convex. As in other other Classic Nubian Sandals, they have a double front strap. Although registered only ones from Gebel Adda, sandals like these have been occasionally encountered at other sites as well. On the basis of the comparison with the finds from Qasr Ibrim, Type II can be further divided into three variants: Variant A is the one described from Gebel Adda. Variant B (cam-3156; Figure 4) also has a rounded heel, but the edge merges with a large convex curvature into the pre-straps, which have, as in Variant A, several slits for attaching the straps. Both Variants have a double front strap. Variant C is based on an incomplete example from Qasr Ibrim. The shape of the back part of cam-3149 (Figure 5) seems to combine features of both Type I and II. The heel's edge is rounded like in Type II, but the small, triangular

13 In this, the typology differs from the one published previously by Veldmeijer (2012: 34): his Type II is Type III in the present work. This change was made since Type II is in shape closer to Type I.



Figure 4. An example of Classic Nubian Sandals Type II, Variant B from Qasr Ibrim (cam-3156); Figure 5. Cam-3149 is a Classic Nubian Type II sandal, but the sole representative of Variant C: it combines features of Type I with the typical convex edge of Type II sandals.

Courtesy of the Egypt Exploration Society/British Museum London.

pre-straps (with triangular cut-outs for the attachment of the straps) are more like Type I (although in cam-3149 they are distinctly elongated). The remnant of the front part of the sandal suggests a considerable and distinct increase in width from the waist (which is the point from which the pre-strap starts to expand) towards the front. But even more extraordinary is the decoration on the dorsal surface of the sole, which consists of impressed double circles. Although this, as well as other types of decoration, is very common in Christian footwear, Classic Nubian Sandals Type I and II from Qasr Ibrim are usually without decoration (note that Type I and II sandals from Gebel Adda are more often decorated, *e.g.* 973.24.2010, Cat. No. 1; 973.24.2671, Cat. No. 51 and 973.24.2682, Cat. No. 28, albeit with different motifs). This is the only example registered by the AEFPP thus far. Unfortunately, the sandal lacks the front part and thus we do not know whether it had a single or double front strap. Despite this missing part, classification as variant (Variant C) of Classic Nubian Sandals Type II is justified.

Twelve Cat. Nos. are identified as Classic Nubian Type III (and four as possibly), with nine as Variant A and three as Variant B. The sandals have a very characteristic pre-strap, which is the reason for classifying them into a separate Type: it is a narrow, (near-)rectangular and elongated extension of the heel's edge. Usually, the pre-strap has one long slit lengthwise that runs all the way to the sole proper. To it are attached by means of stitching the elaborate back- and heel straps, with neatly finished attachment areas obscuring the connection of the various straps. This finishing is usually decorated (for example with a painted image of a frog, as in 973.24.760, Cat. No. 60). The variants are identified based on the shape of the sole: Variant A is a swayed sole, whereas Variant B is straight. Variant A can be divided into single or double front strap sub-variants. For Variant B, however, a double front strap could be identified with certainty in only two cases (973.24.2690, Cat. No. 68 and 973.24.2971.1, Cat. No. 51); in one case (973.24.2943.1, Cat. No. 70) a single front strap is tentatively suggested (hence '?' added in the table). Unfortunately, a comparable sandal from Qasr Ibrim (cam-3633, discussed below) is too incomplete to identify the type of strap.

The straps in Classic Nubian sandals are fairly simple and universal, although there are differences in the details. Sandal 973.24.2678 (Cat. No. 24; Figure 6B) has a Regular Type II strap complex for Classic Nubian Type I sandals. The straps consist of two parts: the double front strap at the ventral surface, which is secured with a button (one of which is lost), and the back- and heel straps are tied at either side to a hole in the triangular pre-strap extension. One element (in the complete right sandal 973.24.2678, Cat. No. 24, this is the medial strap) is hitched to the front strap loop. Coming back from this attachment, it is wound several times around itself, and finally knotted around the back strap coming from the other side (here the lateral side). The end of the medial strap points towards the front and widens in that direction, ending in a rounded terminal end. The end of the lateral pre-strap is cut short. In 973.24.2679 (Cat. No. 25; Figure 6A), the back strap is looped over the front strap (rather than hitched) and secured; this is a method of attaching the two strap elements that is seen fairly often. This is referred to as the Regular Type I strap complex. Another way of securing the back strap to the front strap is seen in 973.24.2680 (Cat. No. 11; Figure 6C): the back strap is pulled through slits in the terminal ends of the double front strap. With this construction, referred to as Regular Type III, the front strap runs under the sole and the terminal ends are secured by the attachment of the straps (which can

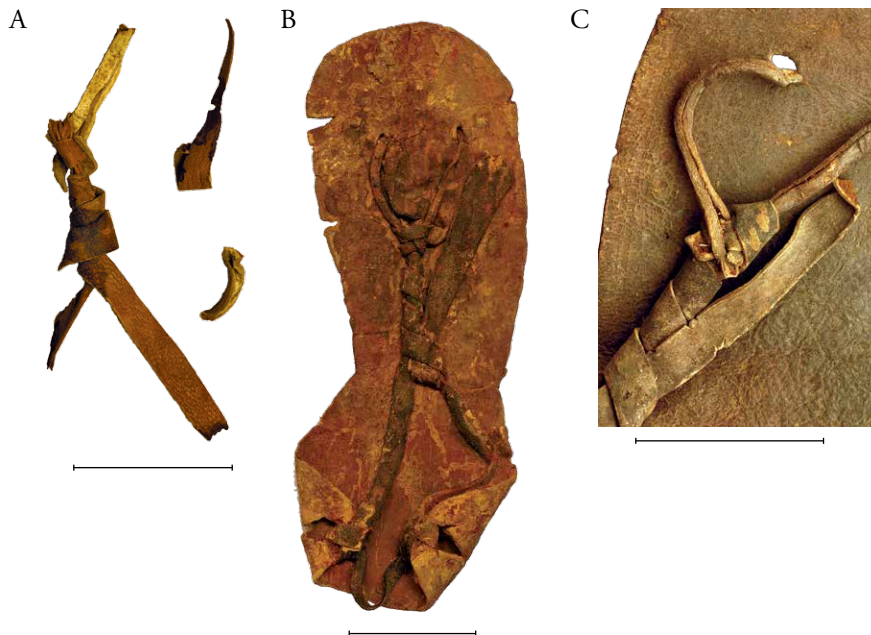
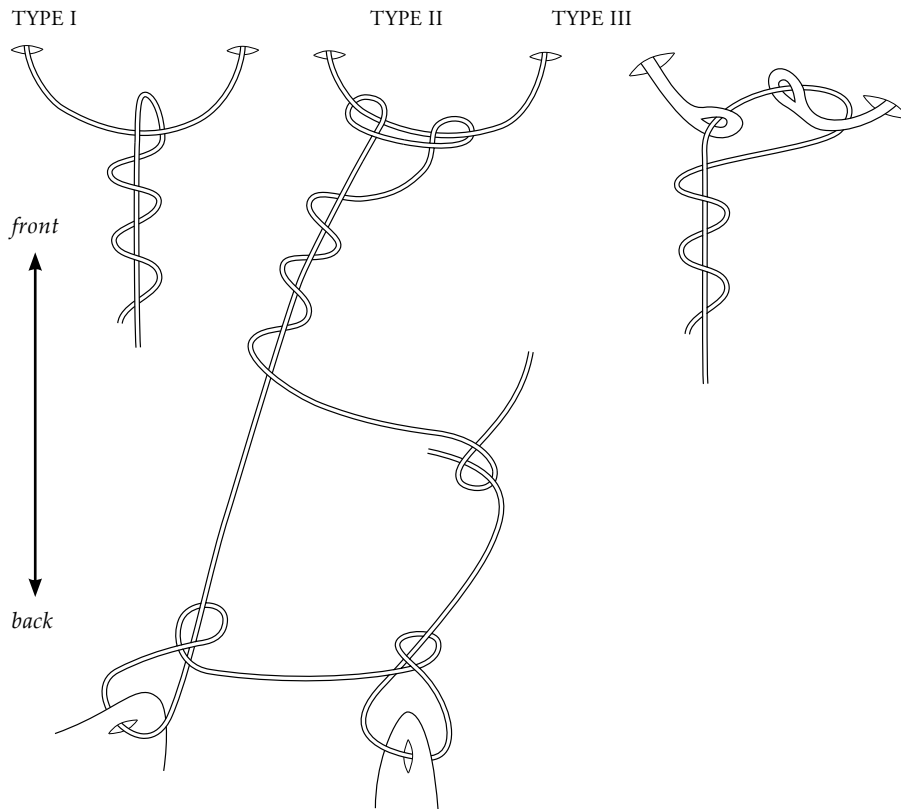


Figure 6. Diagrams of the types of straps with below examples. Differences are mainly seen in the attachment to the front (strap). A) An example of Regular Type I straps (973.24.2679, Cat. No. 25); B) An example of Regular Type II straps (973.24.2678, Cat. No. 24); C) An example of Regular Type III straps (973.24.2739, Cat. No. 4).

be done in various ways). This contrast to Types I and II, in which the terminal ends of the front strap face the ventral surface of the sole and are secured with a button or a knot. In Classic Nubian Type II sandals, the attachment area of the back- and heel strap differs from those mentioned above. In this category, the strip of leather is hitched to the slits rather than knotted (as is the default method in Type I sandals).

The complexity and the significant amounts of variation in the details of the straps of Classic Nubian Type III sandals requires greater attention than the less complicated straps of Type I and II. A heel strap might be present but several sandals do not (seem to) have such an element. There is always a single front strap. Usually, parts of the straps include decorative elements that obscure the attachment area of the back strap to the pre-strap (Figure 7) as well as of the back strap to the front strap (Figure 8).¹⁴ In less elaborate sandals, the latter junction might be covered only by decorative bindings (Figure 9). The elements at the heel are secured to the pre- or back strap with whip or with running stitches. The separate element that obscures the back-front strap junction is tied to it and lies loose over it. In 973.24.671 (Cat. No. 59), for example, these back elements are plain (see also 973.24.2953, Cat. No. 62), as are the back straps themselves. The attachment of the back strap to the front strap shows a kind of weaving pattern, rather than a simple knot, which has a nice aesthetic appearance (Figure 10). The layout of these straps is similar to that in 973.24 (Cat. No. 60) but with one difference: the element that obscures the attachment of the back strap to the pre-strap has a frog painted on it. Frogs were a popular motif in Meroitic times because

14 Cf. Williams (1991: 118).



Figure 7. An example of the decorative finishing of the attachment of the back (and heel) straps to the pre-straps (973.24.2943.1, Cat. No. 70). Scale bar detail is 10 mm.



Figure 8. An example of the decorative finishing of the attachment of the back straps to the front strap (973.24.2699, Cat. No. 61). The arrow is explained in the text. Scale bar detail is 10 mm.

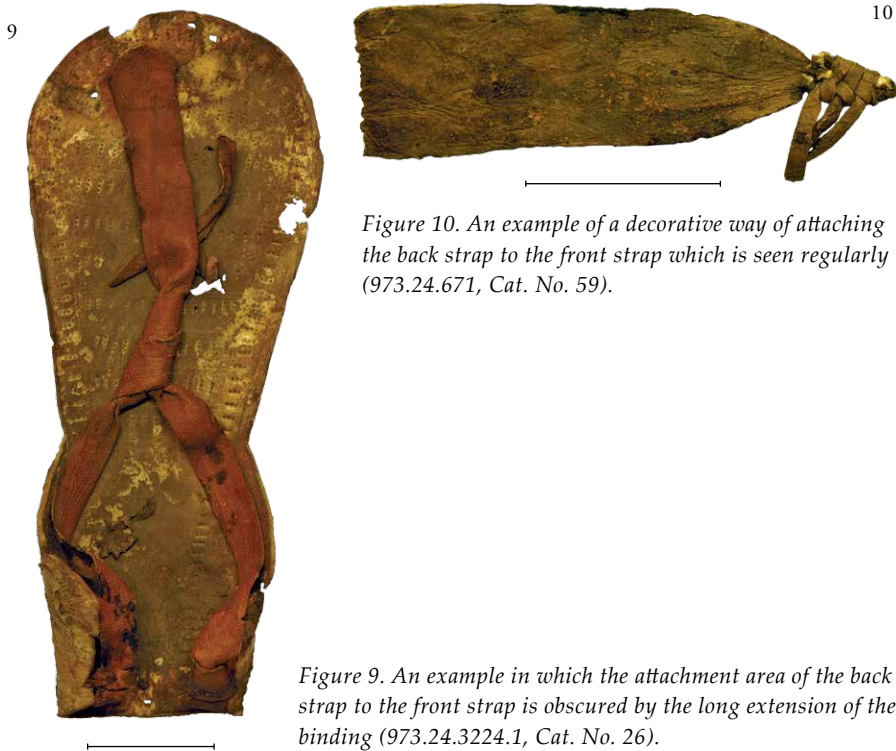


Figure 10. An example of a decorative way of attaching the back strap to the front strap which is seen regularly (973.24.671, Cat. No. 59).

Figure 9. An example in which the attachment area of the back strap to the front strap is obscured by the long extension of the binding (973.24.3224.1, Cat. No. 26).

they were a symbol of regeneration. Comparable decorated straps are known from the Post-Meroitic period in Ballana (roughly 350-700 AD), but these consist of openwork leather rather than painted motifs (Oriental Institute Museum Chicago E22496, Figure 11). However, such elaborately decorated examples are rare. The separate elements used to obscure the front-back strap junctions are seen more often than the decorated elements on the back straps. One of the most elaborate and best preserved examples is the right sandal 973.24.2699 (Cat. No. 61; Figure 8), a Classic Nubian Type III, Variant A sandal. The element consists of a large oval of leather, orientated towards the front, and a smaller circular part: both parts are cut out from one sheet of leather and are still attached to each other. This patch, which was secured with a loop to the front strap (arrow in Figure 8), consists of three layers. The topmost visible layer is made of black leather with a cut-out design. Stitching, made of flax and forming small crosses, secures the layer to the underlying two layers. The second (sandwiched) layer is red-brown. The third layer seems to consist of several parts, which were secured together at the edges with whip and running stitches of flax thread. The motif of the large oval element is rather enigmatic, but the small, circular element clearly shows a cross within a border, both of which are cut out of the same leather. Although the left sandal 973.24.2953 (Cat. No. 62) is of unknown provenance, and the right sandal 973.24.2699 (Cat. No. 61) was recovered from Cemetery Three, Tomb 748 and dates to Late Meroitic times (c. 350-400 AD), the sandals are comparable in design (shape of sole and decoration) as well as measurements and each one is meant for a different foot, so that it can be concluded that the two are a pair. This conclusion is supported by the fact that 973.24.2953 (Cat. No. 62) still has the small (near-)circular part of the decorative cover *in situ*, which is of the same design as in 973.24.2699 (Cat. No. 61), *i.e.* a black cross with the edge cut out in black, and a lower thickness in red.

An even more elaborate example is 973.24.2940.1 (Cat. No. 73; Figure 12), which is, unfortunately, incomplete. The top layer shows an elaborate cut-out design that is attached to a much thicker backing. It is secured along the edge with leather thong running stitches. The cutting of the design was rather coarsely



Figure 11. A sandal fragment (E22496) from the Post-Meroitic period of Ballana (roughly AD 350-700). The element that adorns the attachment area of the back- and heel strap to the pre-strap has an openwork design. Scale bar is 10 mm. Courtesy of the Oriental Institute Museum Chicago.



Figure 12. A partial patch with a cut-out design (973.24.2940.1, Cat. No. 73) used to cover the junction of the back strap to the front strap.

done. Inside the figures, details were added by scraping away the surface. The fragment is associated with several pieces of the straps and another oval piece of leather which acted as an attachment of the back strap to the front strap, and which probably would have made up the third layer of the decorated element. Possibly the sandal is a Classic Nubian Type III sandal; dates are unknown. Another example, 973.24.2952.2 (Cat. No. 65; Figure 13), consists of the larger oval part only and is partially preserved. It is torn off at the junction with the smaller top part, which is no longer preserved (*cf.* 973.24.2699, Cat. No. 61 in Figure 8). The piece consists of two layers. The topmost layer shows a cut-out design of an ʿnh -sign flanked by $w\text{ʿs}$ -scepters. The layers are secured with several stitches. The incomplete sandal is identified as a Classic Nubian Type III, possibly Variant A and the dating is unknown. The motif of an ʿnh -sign flanked by $w\text{ʿs}$ -scepters is more common than those mentioned above: 973.24.3374 (Cat. No. 67; Figure 14) is another example. However, despite the same subject matter, the differences between 973.24.2952.2 (Cat. No.65) and 973.24.3374 (Cat. No. 67) are noticeable. Both elements are oval, but in the latter, the design is more or less centred. The area above this central motif (*i.e.* at the wider part that is attached to the strap) is decorated with a band of combined triangles and diamonds. The opposite end, below the scene with the ʿnh -sign and $w\text{ʿs}$ -scepters, shows tapered and curved cut-outs flanking a circle of leather. Beneath it are two more, much smaller, cut-outs which flank a circle of leather as well. In 973.24.2952.2 (Cat. No. 65), the signs are positioned more towards the wider end. As with the previous example, a series of tapering and curved cut-outs are below the signs (*i.e.* towards the pointed end), but in this case they flank a relatively large oval (through which a stitch was once sewn in order to hold the object in place). Between this and the scene with the ʿnh -sign is another cut-out design, which can no longer be identified. Clearly, the two strap parts did not belong to the same pair of sandals. The last example of such strap elements from Gebel Adda is 973.24.3340 (Cat. No. 72; Figure 15). Possibly from a Classic Nubian Type III sandal, the element consists of two layers, which seems to be glued, as there are not stitches visible. The openwork design is enigmatic and has not yet been identified.

973.24.2755.4 & 6 (Cat. No. 5; Figure 16) are smaller and less elaborate examples, which are seen in Regular Type I straps. These elements consist of a bigger oval-shaped lower part (facing the front of the sandal) and a smaller trapezoidal-shaped part. The overall dimensions, however, are much smaller than the previously described elements. Several motifs seems to have been cut out in



Figure 13. An oval part of a patch used to cover the attachment area of the back to the front strap (973.24.2952.2, Cat. No. 65). The cut-out design shows an 'nh'-sign flanked by w3s-scepters.



Figure 14. This patch (973.24.3374.1, Cat. No. 67) is comparable to 973.24.2952.2 (Cat. No. 65), seen in Figure 13), but the cut-out design is slightly more elaborate, including triangles and diamonds, among other designs.



Figure 15. A broken patch with a coarse cut-out design (973.24.3340, Cat. No. 72).



Figure 16. Two examples of small patches used to obscure the looped attachment of a Regular Type I strap (973.24.2755.4 & 6, Cat. No. 5).

the larger part of 973.24.2755.4 (Cat. No. 5), but the holes are actually due to deterioration and 973.24.2755.6 (Cat. No. 5), the better preserved example, does not show such features. The elements consist of two thicknesses of leather, which were secured together by the winding of the back strap attachment as well as with one leather thong stitch in the trapezoidal part. Decorative streamers protrude from either side. It is dated to the Post-Meroitic period (c. 400-650 AD). The piece is comparable to the only example found in Qasr Ibrim (cam-0664, Veldmeijer, 2012: 45-46, 48; Figure 17), although this example shows a cut-out design and the upper, smaller part is different in shape. The Qasr Ibrim example is dated to the much later Ottoman times. 973.24.3242 (Cat. No. 71; Figure 18) is more comparable to the Qasr Ibrim example, but the openwork design shows a (very coarsely executed) *ḥnh*-sign. Moreover, the element has a circular top part, which is joined to the larger part (with a cut-out decoration) by means of a narrow connector that one was secured to the front strap. The date of this example is unknown.

17



Figure 17. An example of a small patch to cover the junction between the front- and back straps from Qasr Ibrim (cam-0664). Courtesy of the Egypt Exploration Society/British Museum London.

18



Figure 18. The small patch (973.24.3242.2, Cat. No. 71) has a coarsely cut-out *ḥnh*-sign. Scale bar is 10 mm.

Comperanda

Several collections around the world houses Classic Nubian Sandals (Table 1). Often their provenances are unknown, seriously limiting their comparative value. However, the excavations of Qasr Ibrim by the Egypt Exploration Society yielded many examples, which are currently kept in several museums in and outside of Egypt (the pre-Ottoman material from Qasr Ibrim is currently under study by the author). An interesting example is EA 71904 (Figure 19) in the collection of the British Museum, London, which was excavated from the early Christian layers of Qasr Ibrim. This sandal has two sole layers. However, it is unlikely that the sole was original to the design: rather, the insole was a repair that was secured with running stitches of leather thong along the edge. Another repair is added at the waist. The heel's edge has an oval protrusion in the centre, which is a feature that is not seen in the material from Gebel Adda or any other examples known to the present author (additionally, the edge in Type II is convex rather than straight as in Types I and III). The straps in EA 71904 are made of a double layer of leather, rather than a single one, and the front and back straps are connected by means of a reef knot. There is a single front strap.

Cam-3160 (Figure 20) is a Type IA sandal from Qasr Ibrim but it is unclear whether it had a single or double front strap, since the front part is missing. Thus, the shape of the front is equally unclear, it could have been round or square. It is possible to say that the front must have been fairly wide, judging from the torn



Figure 19. The sandal EA 71904 has a repair sole layer, which is secured with stitching along the edge. The protrusion at the heel has no parallels; Figure 20. Cam-3160 is a sandal with strong concave side edges and distinctly protruding pre-straps.

Courtesy of the Egypt Exploration Society/British Museum London.

Identification	Provenance	Date	Type & Variant	Measurements
British Museum London EA 71904 (QI 82.3.4/205)	Qasr Ibrim	Early Christian (c. 650-850 AD)	-	<i>l: 285.0; w heel: 140.0; w waist: 59.0; w front: 100.0; t: 4.8; w front strap: 3.3; back straps: 5.3 x 10.3</i>
British Museum London cam-3023 (QI 64/126)	Qasr Ibrim	Late Christian I (c. 1100-1300 AD)	II	<i>l: appr. 14.5 cm; w: appr. 6.5 cm</i>
British Museum London cam-3091 (QI 78.2.8/92)	Qasr Ibrim	Late Christian I (c. 1100-1300 AD)	II	<i>l: 19.5 cm; w: 10 cm</i>
British Museum London cam-3092 (QI 78.2.21/4a, b)	Qasr Ibrim	Late Christian I (c. 1100-1300 AD)	IA Square	<i>A) l: 27.4; w: 11.3; B) l: 27.5; w: 11.4 (width excludes projections)</i>
British Museum London cam-3093 (QI 78.1.22/21)	Qasr Ibrim	Late Christian (c. 1100-1400 AD)	IA, Rounded, Single Front Strap	<i>l: 23.5 cm; w: 11 cm</i>
British Museum London cam-3123 (QI 82.3.01/104)	Qasr Ibrim	Late Christian I (c. 1100-1300 AD)	II?	<i>l: 22.2; w: 10.8</i>
British Museum London cam-3126 (QI 82.2.2/58a)	Qasr Ibrim	Late Christian I (c. 1100-1300 AD)	IA, Rounded, Double/Single	<i>l: 19.; w: appr. 10.3-12.2</i>
British Museum London cam-3132 (QI 82.1.31/55)	Qasr Ibrim	Late Christian I (c. 1100-1300 AD)	IB, Rounded, Double Front Strap	<i>l: 13.0; w: 6.5</i>
British Museum London cam-3147 (QI 78.1.21/26)	Qasr Ibrim	Early Christian 2 (c. 700-850 AD)	Unidentifiable	<i>l: 25.5; w: 10.5</i>
British Museum London cam-3149 (QI 78.3.14/20)	Qasr Ibrim	Early Christian (c. 650-850 AD)	-	<i>l: 17.0; w: 12.0</i>
British Museum London cam-3150 (QI 78.2.1/30)	Qasr Ibrim	Early Christian I (c. 650-700 AD)	IB	<i>l: 11.0; w: 13.0</i>
British Museum London cam-3156 (QI 78.3.11/22)	Qasr Ibrim	Classic Christian 2 (c. 1000-1100 AD)	IIB	<i>l: 25.2; w: 12.0 (excl. projections)</i>
British Museum London cam-3157 (QI 78.2.11/20)	Qasr Ibrim	Classic Christian 2 (c. 1000-1100 AD)	IA, Rounded, Single Front Strap	<i>l: 18.0; w: 9.0</i>
British Museum London cam-3159 (QI 78.2.8/71a)	Qasr Ibrim	Classic Christian 2 (c. 1000-1100 AD)	IA	<i>l: 11.0; 8.0 (excl. projections)</i>
British Museum London cam-3160 (QI 78.3.15/85)	Qasr Ibrim	Classic Christian 1 (c. 850-100 AD)	IA	<i>l: 18.0; w: 9.5</i>
British Museum London cam-3162 (QI 78.2.8/71b)	Qasr Ibrim	Classic Christian 2 (c. 1000-1100 AD)	IA, Rounded, Double	<i>l: 16.0; w: 8.5</i>
British Museum London cam-3511 (QI 85.12.30/31)	Qasr Ibrim	?	IA, 'Rounded', Double	<i>l: 13.1; w: 8.1</i>
British Museum London cam-3517 (QI 78.3.22/58a)	Qasr Ibrim	Roman 2 (c. 25-100 AD)	Unidentifiable	<i>l: 22.5; w: 7.0</i>
British Museum London cam-3572 (QI 80.2.11/95)	Qasr Ibrim	Roman 1 (c. 25 BC-25 AD)	IIIA	<i>l: 22.5; w: 9.5</i>
British Museum London cam-3631 (QI 80.2.26/95a, b)	Qasr Ibrim	Roman 2 (c. 25-100 AD)	IIIA, Single	<i>l: 23.0; w: 9.5</i>

Identification	Provenance	Date	Type & Variant	Measurements
British Museum London cam-3633 (QI 80.2.07/101b)	Qasr Ibrim	Roman 1 (c. 25 BC-25 AD)	IIIA	<i>l: 14.3; w: 6.6</i>
British Museum London cam-3654 (QI 78.2.27/14)	Qasr Ibrim	Meroitic I (c. 100-200 AD)	IIIA, Single	<i>l: 22.5; w: 9.8</i>
British Museum London cam-3669 (QI 78.3.15/57)	Qasr Ibrim	Post-Meroitic [xc2] 2 (c. 600-650 AD)	IA, Rounded, Double	<i>l: 22.5; w: 9.0 (estimated, excludes tie projections)</i>
British Museum London cam-3673 (QI 78.2.16/46)	Qasr Ibrim	Post-Meroitic 1 [x1] (c. 400-500 AD)	IA, Rounded?, Double Front Strap	<i>l: 22.0; w: 10.5</i>
Ashmolean Museum Oxford 1962.952 (193 126 4)	Qasr Ibrim	?	IC	<i>l: 270.0; w heel: 165.0; w waist: 83.6; w front: 119.4; t: 3.8; w heel strap: 8.0; w back strap: 14.3</i>
Ashmolean Museum Oxford 1962.954a, b (193 107 1)	Qasr Ibrim	?	IB	<i>l: 265.0; w heel: 150.0; w waist: 60.0; w front: 95.0; t: 3.0; w heel strap: 7.8; w front strap: 6.1</i>
Ashmolean Museum Oxford 1962.955a, b (192A 24 3)	Qasr Ibrim	?	IB	<i>l: 260.0; w heel: 160.0; w waist: 71.0; w front: 104.8; t: 5.1; w back strap: 7.5; w front strap: 4.5</i>
Ashmolean Museum Oxford 1962.957	Qasr Ibrim	?	IB/C	<i>l: 105.0; w: 158.0</i>
Petrie Museum for Egyptian Archaeology UCL 21381 (L 35 1)	Buhen	Post-Meroitic (3rd-6th c. AD)	IB	<i>l: 175.0; w heel: 110.0; w waist: 46.6; w front: 65.0; t: 2.3</i>
Egyptian Museum Cairo JE 26599	Mahallah	?	IB	<i>l: 310.0; w heel: appr. 190; w waist: 71.7; w front: 111.0; t: 5.0; w back/heel strap: 9.5-22.4; w front strap: 6.3</i>
Egyptian Museum Cairo JE 26600	Mahallah	?	IB	<i>l: 305.0; w heel: 180.0; w waist: 69.0; w front: 104.2; t: 5.3; w back strap: 19.0; w front: 7.6; front strap decora- tion rectangles: 18.2 x 21.5</i>

Table 1. List of comperanda, showing numbers, provenance, date, type and variant and a basic set of measurements. Measurements in *Italic* are taken from find cards.

edge. The waist is clearly constricted, and runs towards the back with distinctly protruding pre-straps. The sides were concave, which is usually not the case in this Type or, if they were concave, it is far less distinct.

Cam-3023 (Figure 21) is an example of Classic Nubian Sandals Type II: the heel's edge is clearly convex and the ends of the pre-straps are rounded with several slits through which the heel- and back straps are hitched. Cam-3123 (Figure 22) is problematic: although the heel's edge is completely worn through, seemingly prohibiting an absolutely certain classification, the pre-strap has three slits through which the straps are hitched, which is a trait unique to Type II. Also the rounded overall shape of the pre-strap suggests the same type. Moreover, the front part widens distinctly and ends in a wide rounded front, although this is also seen in Type IC sandals. The difference, however, is that there is a distinct transition between the body and front of the sole in Type IC sandals, which is not present in this example. Cam-3091 (Figure 23) has a convex heel edge and is, therefore, comparable to Type II sandals, but the pre-straps are more similar to Type I sandals: large and triangular, although in this example, they are slightly more rounded than in a typical Type I sandal. The width of the front of the sandal increases distinctly and is similar to cam-3123 in Figure 22.¹⁵

Although many sandals show signs of wear, cam-3126 (Figure 24), a Type I, Variant A, Rounded Sub-Variant sandal is of particular interest because of the signs of use. The two slits for the double front strap are just visible at the torn front edge. A repair was made: slightly more towards the back, a hole was fashioned to accommodate a single front strap. Thus, the original sandal would have been classified differently than the repaired sandal. This is the only example of a repair in which a change in style (from double to single front strap) can be seen. Cam-3132 (Figure 25) stands out as a rather flimsy child's sandal (Type 1, Variant B), on the other hand, cam-3157 (Figure 26; Type I, Variant A, Rounded Sub-Variant, Single Front Strap) is an excellent example of a well-made children's sandal. Although children's footwear is not uncommon, Eared Sandals are not often made for children.

Cam-3093 (Figure 27) is a good example from Qasr Ibrim of a Type I, Variant A sandal (Rounded Sub-Variant with a Single Front Strap). No sandals of this type have been registered from Gebel Adda. Cam-3669 (Figure 28) is a Type I, Variant A sandal (Rounded Sub-Variant but with a Double Front Strap). Most of the original straps are still present, but the heel strap is repaired with a piece of string. The front strap, to which the Y-shaped back straps are attached (note the single stitch that secures them just before the front strap), is also a piece of string. Cam-3673 (Figure 29; Type I, Variant A sandal, Rounded(?), Double Front Strap), is of interest because of the completeness of the straps: complete, intact straps are fairly rare in the archaeological record. Sandals like cam-3092 (Figure 30; Type I, Variant A, Sub-Variant Square front) are rare even in Qasr Ibrim and have not been recovered from Gebel Adda, but they are known from the Roman *Praesidium* Didymoi in the Eastern Desert (Leguilloux, 2006: 99-102, 170-177).

A sandal from Qasr Ibrim in the Ashmolean Museum, Oxford (1962.952; Figure 31) can be identified as a Type I, Variant C sandal. It has a small slit at the heel and the front, the function of which is unclear. In front of the two slits that were used for the double front strap is another set of slits (arrow), which have not

¹⁵ Cam-3149 has already been discussed in the description of the various types.

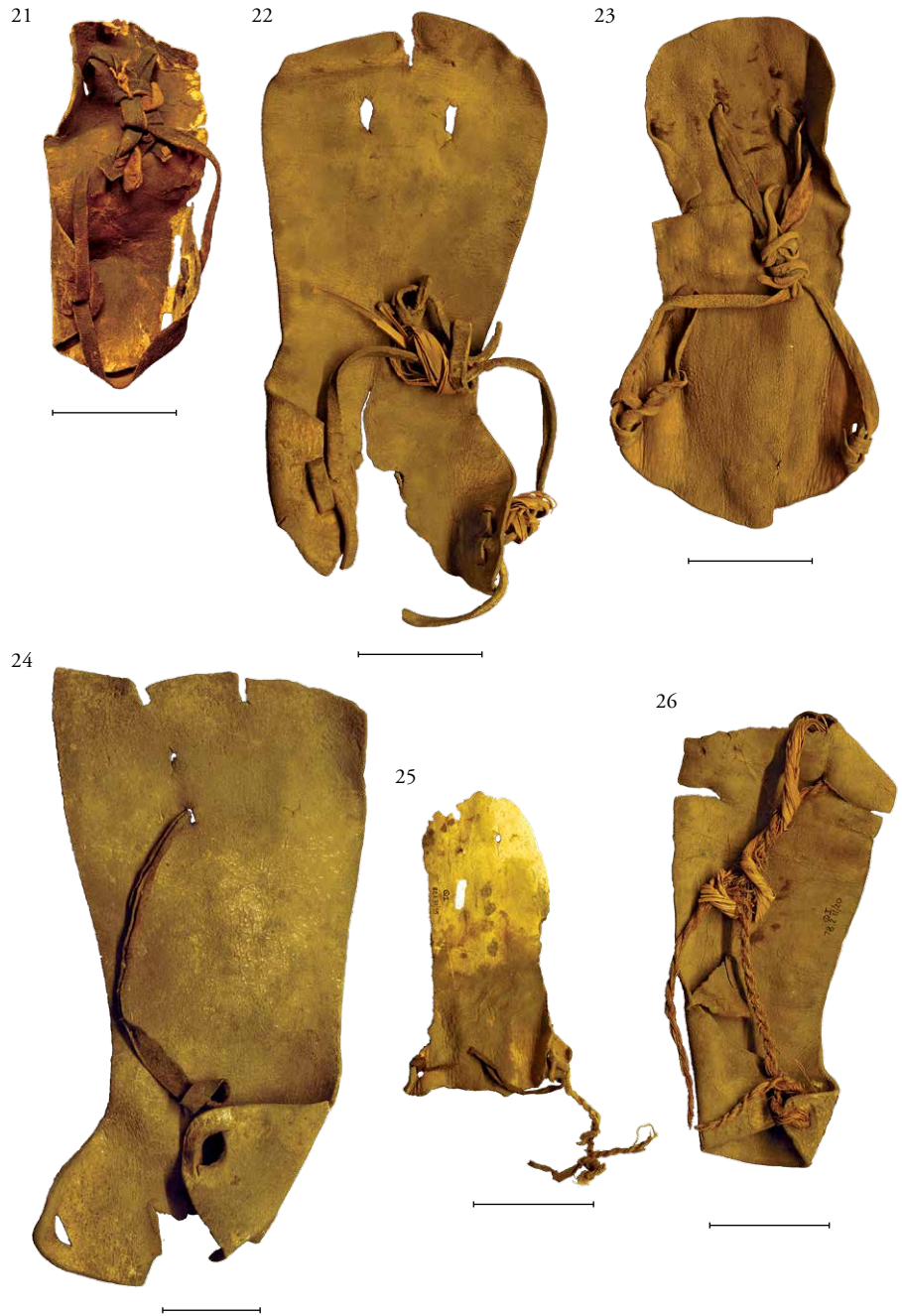


Figure 21. Cam-3023 is a good example of a Classic Nubian Sandals Type II sandal: the heel's edge is clearly convex; Figure 22. Cam-3123 can only tentatively be classified as a Classic Nubian Type II sandal, due to the fact that the heel is completely worn through and we do not know whether it was straight or convex. The shape of the pre-straps and the slits, however, suggests Type II; Figure 23. Cam-3091 compares well with cam-3123 (Figure 22). Note the distinct increase in width of the front; Figure 24. Cam-3126 is repaired, changing the customary double front strap into only one front strap. It is the only representation of such a type of repair; Figure 25. Classic Nubian Sandals made for children are relatively rare. Cam-3132 is a rather flimsy example from Qasr Ibrim; Figure 26. A well-made example of a Classic Nubian Sandal made for a child from Qasr Ibrim (cam-3157).

Courtesy of the Egypt Exploration Society/British Museum London.



Figure 27. Type I, Variant A sandals (Rounded Sub-Variant with a Single Front Strap) have not been registered from Gebel Adda. This example (cam-3093) comes from Qasr Ibrim; Figure 28. An example of a Type I, Variant A sandal (Rounded Sub-Variant but with a Double Front Strap) from Qasr Ibrim (cam-3669); Figure 29. Complete and intact straps are fairly rare. Here an example from Qasr Ibrim (cam-3673); Figure 30. A rare example from Qasr Ibrim of a Type I, Variant A, Sub-Variant Square front sandal (cam-3092). This type has not been registered from Gebel Adda; Figure 31. An example of a Type I, Variant C sandal (1962.952) from Qasr Ibrim.

Courtesy of the Egypt Exploration Society/British Museum London; Figure 31: Courtesy of the Ashmolean Museum, Oxford.

been used. The torn end of the strap has several smaller and larger holes, probably for the attachment of the now lost front part. Another pair of sandals from Qasr Ibrim in the same collection (1962.954a, b; Figure 32) can be identified as Type I, Variant B. The dorsal surface of this pair still has the hair attached. Incised line decoration follows the edge and two parallel incised lines extend lengthwise down the centre, which are flanked by two parallel lines at either side, running towards the front edge. A small remnant of a slit/pull strap suggests that the straps were rather decorative. This pair is comparable to another pair from Qasr Ibrim, also in the Ashmolean Museum, Oxford (1962.955a, b; Figure 33), in which patches of hair suggest that the dorsal surface was likewise once covered with hair. The straps differ, however, as in this example they are plain and not made in the decorative slit/pull technique. The incised line decoration along the edge and lengthwise down the centre is only barely visible now. Note the small, isolated stitch at the heel, which may suggest that the two empty slits in the heel in 1962.952 (Figure 31) once had stitches too. A final example in the Ashmolean collection from Qasr Ibrim (1962.957; Figure 34) retains only the heel part and identification of the type is, therefore, not possible; although Type I, Variant A can be excluded. The slits in the ears for the reception of the straps are diamond-shaped cut-outs rather than crescent- or circular-shaped cut-outs, which are far more common.



Figure 32. An example of a Type I, Variant B sandal (1962.954A, B) from Qasr Ibrim. The dorsal surface of this pair still has the hair attached. The sole is enhanced with incised line decoration; Figure 33. A pair of sandals (1962.955A, B) from Qasr Ibrim, which is comparable to the pair shown in Figure 32 but the hair on the dorsal surface has worn off on the greater part, as has the incised line decoration; Figure 34. This heel part (1962.957) from Qasr Ibrim has diamond-shaped cut-outs in the pre-straps, rather than crescent- or circular-shaped, which is far more common.

Courtesy of the Ashmolean Museum, Oxford.

The dorsal surface has a nice hair covering still *in situ*. As seen with other sandals from this collection, a single slit is situated at the heel's edge.

The Petrie Museum for Egyptian Archaeology houses a pair of child's sandals, UC21381 (Figure 35), that was found in Buhen (Emery, 1963). They can be classified as Type I, Variant B. The extraordinary aspect of this pair is the incised line decoration along the edge (two parallel lines) and running lengthwise down the centre. Hair still remains in some places. The straps were attached to the double front strap with a half knot.

The best preserved examples of Classic Nubian Sandals can be found in the collection of the Egyptian Museum in Cairo: JE 26599 (Figure 36) and 26600 (Figure 37) from Mahallah. Both pairs are examples of Type I, Variant B sandals. Pair JE 26599 has a single stitch repair at the edge. JE 26600 is a well made pair of sandals. Both examples show large patches of hair still *in situ*; however, the majority of the hair is now lost, probably having been worn off in antiquity. An incised line follows the edge of each sandal and a single small slit is situated at the front and heel edges, comparable to 1962.952, discussed previously (Figure 31). This pair is of particular interest because the straps are highly decorative. Note that the construction of these is similar to that of JE 26599 and can be identified as Regular Type 3. The straps are stained red and the strip that runs towards the front, coming from the back and front strap attachment, shows motifs created by scraping away the red surface of the leather. The design consists of a line bordering four rectangles. The centre of each of the rectangles has floral motifs with incised lines to indicate leaves. The terminal end, covering the toe, is serrated.

Cam-3654 (Figure 38) is a Type III, Variant A example from Qasr Ibrim. The heel is damaged but the rest of the sandal is complete. It has a three deeply incised, parallel lines along its border, as well as a set extending lengthwise down the centre. Several less well-defined lines also follow the edge, to the inside of the three deep ones. The sole is clearly swayed and has only one front strap. Cam-3631 (Figure 39) is a similar sandal, but the sole consists of two layers that are secured to each other along the edge with leather thong running stitching. Sandals with several layers are known especially from Didymoi (Leguilloux, 2006: 42-48, 175); these can even have more sole layers. The insole in the Qasr Ibrim sandal does not show clear signs of wear that would necessitate a repair and thus can be seen as part of the original design. According to the find card, a third thickness of approximately 3.5 cm long was included in the stitching between the two complete layers, right across the front end. Cam-3572 (Figure 40) is comparable but less complete. Consequently, it could not be determined whether the sandal had a single or double front strap. Note the strange angle of both edges: the left edge is slightly concave, while the right one is, as usual, convex. The left side has the pre-strap still *in situ* (although broken off at the opposite side); the stitching was done neither along the left edge nor lengthwise down the centre but somewhere in between.

Cam-3633 (Figure 41) is a rare example from Qasr Ibrim of the Straight Variant of Type III. The sole is roughly cut and the heel's edge is slightly convex. Patches of hair still adheres to the surface. It could not be determined whether it had a single or double front strap since the front part was torn off.

Cam-3517 (Figure 42) could not be classified in the current typology. The edge of its heel is convex, characteristic of Type II, but lacks the pre-straps with slits. Instead it has, as seen in Type I, a crescent-shaped hole for the attachment of

35



36A



36B



Figure 35. A pair of children's sandals (UC21381) from Buhen. The incised line decoration along the edge and running lengthwise down the centre are extraordinary. Copyright Petrie Museum of Egyptian Archaeology, UCL; Figure 36. A beautifully preserved pair (JE 26599) of Classic Nubian Sandals Type I, Variant B. A) Dorsal view; B) Detail of the attachment area of the heel- and back strap to the pre-strap. Courtesy of the Ministry of Antiquities/Egyptian Museum Authorities.

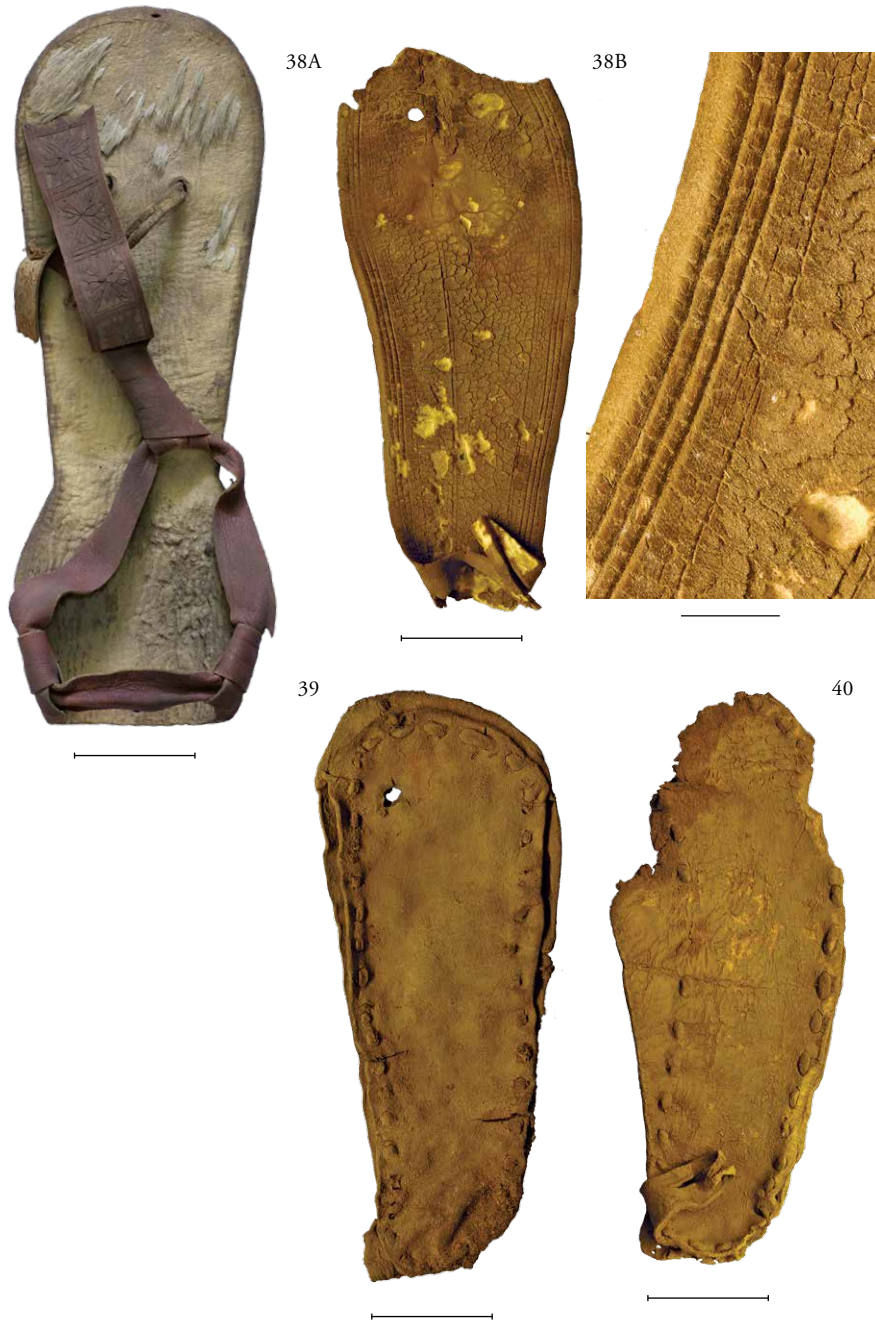


Figure 37. Another extremely well preserved pair (JE 26600) of Classic Nubian Sandals Type I, Variant B. The equally well preserved straps are highly decorated, combining colour, scraping away of the surface, openwork and incision patterns. Courtesy of the Ministry of Antiquities/Egyptian Museum Authorities; Figure 38A. Cam-3654 from Qasr Ibrim, is a Type III, Variant A sandal with deeply incised decoration, seen in detail in B. Scale bar in the detail is 10 mm; Figure 39. Cam-3631 from Qasr Ibrim is one of the rare examples of a Classic Nubian Sandal that has more than one sole layer; Figure 40. Cam-3572 from Qasr Ibrim is very similar to cam-3631 (seen in Figure 39) but is less complete.

Courtesy of the Egypt Exploration Society/British Museum London.

the straps. The pre-strap is not well-defined but the edge runs in a large, smooth concave curve towards the rounded front, resulting in a relatively elongated, slender sandal. Thus, the pre-straps are even more integrated than in Types I and III. A new variant of Type II may be possible, but the incompleteness of the sole (which prevents the identification of the front strap as single or double front strap) prohibits this. Another example of a sandal that differs slightly from the typology is cam-3511 (Figure 43), a child's sandal. The front of this example ends in a slight, but distinct point in the middle of the width, differentiating it from the Type IA sandals. However, differentiating footwear based on such small variances is inappropriate; this is the only example of such a sole shape to date. Moreover, the production of sandals was handwork and slight differences, therefore, are often noticeable. The leather is fairly thick and the edges are smoothly curved.

Classifying cam-3147 (Figure 44) is also problematic. The right sandal has an overall curvature in the medial direction, which is deliberate (*i.e.* not a result of post-depositional circumstances), and therefore unique (although swayed sandals are a rare occurrence in the Type III category). The heel's edge is slightly convex. The sole is repaired on the dorsal surface with a patch on the heel and on the ventral surface with two patches on the front (one of them is a completely new end). The patches are secured with leather thong running stitching. Two points on the edge where the leather is cracked are also repaired with stitches. The pre-straps proper were torn off and a make-shift strap held the sandal to the foot. There is a single front slit. Cam-3150 (Figure 45), a heel piece, might be a Type I, Variant B sandal, but with relatively small pre-straps. The heel is worn through and has been repaired, judging by the discoloration where the patch was attached and the



Figure 41. Cam-3633 from Qasr Ibrim is a Type II, Straight Variant sandal, which was rare at this site; Figure 42. Cam-3517 from Qasr Ibrim has clear features of Type II sandals, but also pre-straps which have not been identified for this group yet. Due to the incompleteness of the sole, a classification as a new variant is, therefore, for now not possible; Figure 43. Cam-3511 is a small well-made child's sandal from Qasr Ibrim (Type I, Variant A).

Courtesy of the Egypt Exploration Society/British Museum London.



Figure 44. Cam-3147 from Qasr Ibrim has a swayed sole, and a slightly convex edge. It has several repairs; Figure 45. Cam-3150 from Qasr Ibrim is a heel piece (Type I, Variant A, but with fairly small pre-straps) which is completely worn through. The stitches and discolouration suggest that it has been repaired at least once.

Courtesy of the Egypt Exploration Society/
British Museum London.

double row of stitching (it is not clear whether this secured one patch or each row secured a single patch). Probably, one or both of the patches were removed for re-use since the stitches seem to have been cut, not torn.

Toe-Shaped Sandals

Note on Typology

Veldmeijer & Ikram (2014: 30) note that Montembault (2000: 64-65, 112-113) classified a pair of Toe-Shaped Sandal in the Louvre collection (E 12562) 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, 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 [is] rather common in sandals with pointed soles and without cut-out toes. Veldmeijer & Ikram (*Ibidem*) continue that this type of straps displays a variety of techniques and decoration, as can be seen in other 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 [Qarare]; 2011: 151-152 [Qarare]; Russo, 2004: 192, 194-197, Tavola X-XI [Antinopolis, 'Coptic']; Veldmeijer, 2014 [Antinopolis [...]]; see also Van Driel-Murray, 2002: 3-4). The characteristic shape of Toe-Shaped Sandals, combined with the limited size range that indicates that they were meant for children or adolescents, warrant a classification distinct from other sandals with comparable straps; indeed, they merit a group of their own and they suggested to name the group 'Toe-Shaped Sandals' after the semi-circular cut-outs that are so characteristic.

Description

There are three Cat. Nos. (one consists of several fragments only) registered from Gebel Adda that can be categorized as the curious Toe-Shaped Sandals (in which the edge of the sole is cut to fit the five toes resulting in three semi-circular protrusions on the lateral side as well as two bigger ones on the front). Nonetheless, two distinct types have been distinguished. In Type I, the pre-strap is sandwiched between the in- and midsole and emerges from the edges of the sandal rather than through slits in the insole. In Type II the pre-strap is pulled through slits on either side of the sole, which are situated slightly inwards from the edge of the sole. This use of slits in the insole in order to pull the pre-strap through is, in itself, an important trait for classification. This will be explained further below in the section on the large group of sandals with independent pre-straps. However, since the Toe-Shaped Sandals differ in shape of the sole so much and are so distinctive, they are not classified in this category, but separated out as category of their own (see above).

Comperanda

For a comparison of the various examples of Toe-Shaped Sandals, see Veldmeijer & Ikram (2014: 29-30). All examples from Gebel Adda are dated to Late Meroitic times (c. 350-400 AD), which is more or less in line with the comparative material, although the oldest known example dates to the 3rd c. AD. It thus seems that, in contrast to other types of sandals, Toe-Shaped Sandals had a fairly limited period of popularity. The group might have evolved from an older style of sandals with cut-outs for two or perhaps even one toe, although Winterbottom (2001: 320) concluded that these have their own tradition.

Leather-Reinforced Plaited Sandals

Note on Typology

Veldmeijer (2009c: 105) has described three types of Leather-Reinforced Plaited Sandals¹⁶: a plaited insole of palm leaf with only an additional “leather-sewn edge, [or in which] the sole as well as the edge is sewn with leather thongs, and the ones with an additional leather treadsole. The soles of this latter group of sandals may or may not have been sewn with leather thongs.”

Description

The most commonly found type of Leather-Reinforced Plaited Sandals is the type with an additional treadsole. The three examples from Gebel Adda also belong to this type. This leather treadsole is secured to the palm leaf insole with rows of leather thong, which is stitched lengthwise through the sole.

Comperanda

A fairly large group of Leather-Reinforced Plaited Sandals were excavated from Qasr Ibrim (Veldmeijer, 2009c; Figure 46). Although several finds are known from Kulubnarti (Own Obs. British Museum, London), this type of sandal is,

16 In the present work, the related String-Reinforced Plaited sandals will not be given attention.



Figure 46. From left to right, top to bottom; Three examples of Leather-Reinforced Plaited sandals (Type: Leather Treadsole) from Qasr Ibrim (cam-106, cam-3716 and asw-0592), dorsal and ventral views respectively.

Courtesy of the Egypt Exploration Society/
British Museum London.

outside Qasr Ibrim, quite rare. In general, these sandals look more or less the same, although the straps might differ in detail (often not much of the straps is preserved but when they are, they are double front straps; of the Gebel Adda examples only 973.24.2967.2, Cat. No. 79 still has the double front strap preserved). As Veldmeijer (2009c: 112) observed “the great majority of this type of sandals originates from the Ottoman layers. However, one leather-reinforced sandal and one string-reinforced sandal originate from layers which have been dated to the ‘Classic Christian’ era; one example is even dated to ‘Early Christian’ times [...]”. The context of the leather-reinforced sandals [is] pit fills and it is possible that the contents [were] disturbed and mixed. [...]” Moreover, as explained by Rose (2012: 18), the dating of Qasr Ibrim’s material is problematic for several reasons, one of which is the fact that “material found in a particular location can almost never be confidently associated with its findspot either as abandonment debris, or as primary refuse”. Additionally, the excavations were carried out with little documentation. Thus, although it seems that the most of the sandals found in Qasr Ibrim are Ottoman, further distinction cannot be made. It is as yet unclear precisely how old the tradition of such sandals is, despite the two examples from Qasr Ibrim mentioned above that may have been from Christian times. Equally unclear is where the tradition evolved: was it an Egyptian tradition (most likely not, as no examples are known from Egypt proper, and in Egypt the double front strap was not used), a Nubian one (possibly, since Plain Plaited Sandals are also Nubian,¹⁷ Veldmeijer, 2009a), an Ottoman one (unlikely if the dating to Christian

17 Plain Plaited Sandals are basically the same sandals but without the leather reinforcement, *i.e.* only the palm leaf sole.

times is correct) or perhaps even a tradition originating from more southerly regions. An interesting but enigmatic fragment of reinforced sandals should be brought into this discussion here, even though it does not shed light on the origin (either in time or place): El-030A, B was found at Elephantine and dates to the 5th-6th c. AD (Veldmeijer, 2016a: 52), which is by far the earliest example of such sandals. However, the identification as a sandal is not entirely certain: all edges are torn and there is no indication of straps. The Elephantine find differs from the sandals discussed in the present work (and the other examples) because the vegetable fabric is made of twisted strings that are woven into a tabby weave, rather than plaited. Soles that are made of woven vegetable material exist (see *e.g.* Veldmeijer, 2007), although the examples are usually from later periods, and never reinforced in a comparable fashion.

Independent Pre-Strap Sandals

General

Veldmeijer (2012: 47) notes that “The problem with the category ‘Independent Pre-Strap, Single-Layer Sole’ is that it is often possible that the sandals that consist of one sole layer, originally consisted of more. After the treadsole was entirely worn, the sandal might have been used as sandal with a single-layer sole. If the multiple layers were connected only by the straps rather than (also) by stitching, there might be nothing to indicate the additional sole layers.”

Note on Typology¹⁸

After the pharaonic era, an important common method for attaching sandals to one’s feet was by means of straps that were secured to independent pre-straps. These were strips of leather with slits at either end to which the back (and, if present, heel) straps were attached. This strap could be quite narrow but quite wide as well. The number of slits varies from two to four and the terminal ends were cut in various ways (round, triangular, or square). Pre-straps can emerge from the side of the sole, a style of which it has been suggested that this was introduced by the Romans (Veldmeijer, 2011d: 39). Indigenous Egyptian and Nubian people seem to have preferred to pull the pre-strap through slits at either side of the sole, just inwards from the edge. The reasoning behind this preference is rather enigmatic, since this construction is much weaker and the sole is prone to tear at the slit, as is often seen in archaeological examples. Whatever the reason, sandals with slits are far more common in the archaeological record than those with the pre-strap protruding from the edge.

Since independent pre-straps were used for many centuries, right up until recent times, it is easy to understand that they have a large amount of variation in style and form (see Veldmeijer, 2012: 47-64 for just a few examples). Still, several new types have been identified among the material from Gebel Adda. They can now be added to the preliminary classification of the category ‘Independent Pre-Strap, Multi-Layer Sole,’ as proposed by Veldmeijer (2012, 47-64; see table Table 2) on the basis of the study of the footwear from nearby Qasr Ibrim.

18 See Veldmeijer (2012: 47-49) regarding how the different typologies of these sandals are merged into the one used by AEFPP.

Category	Type
Single-Layer Sole	Single Front Strap, Pre-Strap Through Four Slits, Straight Undecorated Sole Double Front Strap, Pre-Strap Through slits, Swayed Sole One Set of Transverse Front Slits, Variant: Isolated Toe
Multi Layer Sole	Single Front Strap, Pre-Strap Through [Two] Slits, Straight Decorated Sole (Qasr Ibrim) Single Front Strap, Pre-Strap Through Two Slits, Swayed Decorated Sole (also from Qasr Ibrim's Christian phases, Veldmeijer & Ikram, 2014: 34-52) Double Front Strap, Pre-Strap Through Two Slits, Straight Undecorated Sole (Qasr Ibrim) Double Front Strap, Pre-Strap Through Four Slits, Straight Undecorated Sole (Qasr Ibrim)

Table 2. The preliminary classification of sandals with independent pre-straps, as suggested by Veldmeijer (2012), based on the Ottoman footwear from Qasr Ibrim. This preliminary classification is now re-evaluated and further developed (see below).

On the basis of the material from Gebel Adda, the collection in the Coptic Museum in Cairo (Veldmeijer & Ikram, 2014), objects in other collections worldwide (among which is the comparative material used by Veldmeijer & Ikram, 2014), as well as the on-going study of the finds from the Christian layers of Qasr Ibrim and material published elsewhere, the aforementioned preliminary classification can be evaluated and adjusted (Table 3). The Category 'Independent Pre-Strap' can be divided into the sub-categories 'Single-Layer Sole' and 'Multi-Layer Sole'. The second sub-category consists of two types, one in which the pre-straps are pulled through slits and the other in which they emerge from the edge of the sole. These types can be broken down on the basis of the front strap: single or double, which can be further divided into those with a swayed or a straight sole. Sub-Variants are characterised by the absence or presence of decoration on the sole. There is no longer any distinction between sandals in which the pre-strap is pulled through two (one at either side) or more slits in the insole. For sandals with a single-layer sole, obviously no distinction can be made between those in which the pre-strap emerge from slits or the edge, since the pre-strap cannot emerge from the edge.

Comperanda

Veldmeijer & Ikram (2014: 34-52) have published a large number of sandals with independent pre-straps of the Multi-Layer Sole sub-category from Qasr Ibrim, among other sites, as comperanda to three sandals in the collection of the Coptic Museum Cairo to which the reader is referred.¹⁹ These sandals have various dates: from Roman (c. 25-100 AD; cam-3637) to Late Christian (or later, > 1100 AD; QI 85.12.20/345 and /347), including several from Post-Meroitic layers. Of the Qasr Ibrim examples, only two are without decoration (dated to Post-Meroitic times; cam-3671 and cam-3234) whereas the others have often elaborately decorated insoles with running spiral motifs, circles, dots, rosettes, zigzags and herringbone/

¹⁹ The study of the pre-Ottoman material from Qasr Ibrim is ongoing. A re-evaluation of this large category of sandals will be presented with the publication of this material.

Category	Sub-Category	Type	Sub-Type	Variant	Sub-Variant Independent	
Independent Pre-Strap	Single-Layer Sole	Single Front Strap	Straight	Decorated		
				Undecorated		
			Swayed	Decorated		
			Undecorated			
		Double Front Strap	Straight	Decorated		
			Swayed	Undecorated		
	Multi-Layer Sole	Pre-Strap through Slits	Single Front Strap	Straight	Decorated	
					Undecorated	
			Swayed	Decorated		
			Undecorated			
		Double Front Strap	Straight	Decorated		
			[Swayed]	?		
Pre-Strap from Edge	Single Front Strap	Swayed	Decorated			
	[Double Front Strap]					

Table 3. The revision and expansion of the classification of sandals with independent pre-straps. Types that can be expected but have not (yet) been studied by the AEFPP are between [].

branches motifs. Comperanda from the Ottoman layers of Qasr Ibrim, which compare well with the sandals described as Cat. Nos. 83-88 are discussed in detail by Veldmeijer (2012: 47-64).

Shoes

General

In Gebel Adda shoes were far less common than sandals: only 13 Cat. Nos. represent this group of footwear. Of these there are two (largely) complete pairs, as well as seven single shoes. Despite this small number, there are various types, including a few unique and unparalleled pieces.

One-Piece Shoes

General

Millet (1967a: 60) mentions “a pair of red leather slippers with turned-up toes”, lying loose at the foot of the coffin in the crypt beneath the south sacristy of church Number Four. The buried man was named Gapoiapa, who was a youngish man, and a civilian functionary rather than a priest, as is suggested by his costume.

Note on Typology

The Category ‘One-Piece Shoes’ was established by Veldmeijer & Ikram (2014: 87), based on the study of shoes in the Coptic Museum, Cairo (CM 11963; Figure 47) and some comperanda (Figure 48): “the AEFP 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. [...]” The category includes close parallels (in appearance at least) to Gebel Adda shoes 973.24.2704 (Cat. No. 119) and 973.24.2694/2695 (Cat. No. 118), remarkably from Fustat (Figure 49), south of modern-day Cairo



Figure 47. Unprovenanced One-Piece Shoe, Type B, Variant 1 (CM 11963). Note that the red-brown colour is due to recent painting. Courtesy of the Ministry of Antiquities/ Coptic Museum Authorities; Figure 48. Comperanda of Single-Piece Shoes. A) CM 3304 (Type A); B) EA 32604 (Type A). A: Courtesy of the Ministry of Antiquities/ Coptic Museum Authorities; B: Courtesy of the British Museum, London (Photograph by A. 't Hooft); Figure 49. Two examples of One-Piece Shoes, Type B, Variant 1 from Fustat. Left: 8984/5; Right: 8443/8. Courtesy of the Institut français d'archéologie orientale.

(Veldmeijer, In Press). However, the upper in 973.24.2704 (Cat. No. 119) seems to consist of several pieces (note the side seams),²⁰ and isolated sole layers, but still retains a comparable appearance. This has not been noted (yet?) for the other Gebel Adda shoes: they do seem to consist of one piece and additional sole layers, just as the comperanda from Fustat. To the best of my knowledge, such shoes have not been registered from elsewhere (yet). A typology and more detailed comparison and analysis will be proposed in the publication of Fustat's footwear, since there are far more examples to base it on from there and the fragmentary nature of many of the shoes allow for (better) visibility of the important features, which are impossible to identify in the finds from Gebel Adda.

Description

Pair 973.24.2694/2695 (Cat. No. 118) are low-cut shoes which have a very different cutting pattern compared to the other shoes we know from Gebel Adda. As explained elsewhere (Veldmeijer, In Press): "The majority of the footwear [from Fustat] takes the form of shoes that are very similar in appearance, despite differences in manufacturing technology: the shoes have a low to very low vamp as well as back, resulting in a big instep [...]. However, the back might extend a bit in some examples, in which case they usually are reinforced with patches of leather sewn inside [them] (heel stiffener). It was custom to add a separate treadsole as well as an (partial) insole [...]. Examples with an edge binding are common, although often the edge of the leather is simply folded and secured together with the insole [...]. Two cutting patterns can be distinguished: the more simple shoes are made of one piece of leather which [is] notched for a short length at the front and back, folded and secured. In these cases, the seams are visible at the dorsal view of the shoe. The more elaborately made shoes [the pairs from Gebel Adda do not belong to this type] consist of one piece of leather as well, but here a seam runs over the entire length of the sole, including the backpart but excluding the vamp. In these shoes, the vamp is usually much longer, decreasing the size of the instep (but still leaving much of the foot bare) [whereas on the shoes that are closed at the dorsal side, the vamp can vary in length]. The seams at the sole, in both types, are secured with interlocking stitching." The cutting pattern (Figure 50) is not only fairly simple but makes very efficient use of leather. Remarkably, a passepoil was only used in the seam that closes the vamp. Passepoils reinforce seams and would, therefore, be especially important in the back seam. Even more so, since the triangular back part is clearly stuffed in 973.24.2694 and 2695 (Cat. No. 118). In 973.24.2704 (Cat. No. 119) the backpart is not stuffed and the seam in the vamp also includes a passepoil. As in the examples from Fustat, the Gebel Adda shoes have separate in- and treadsoles: the midsole is also made of the same leather as the upper.

Comperanda²¹

The comperanda that were registered from Fustat (Veldmeijer, In Press) are currently under study by the author. These include a type of shoe (Figure 51) that closely resembles the Gebel Adda shoes. However, although they "are made of one piece of leather as well, [...] here a seam runs over the entire length of the

20 I thank Martin Moser for the discussion. However, future work is needed to solve the problem of the cutting pattern satisfactorily.

21 See Veldmeijer & Ikram (2014: 87) for a discussion of differences between Types A and B (Variant 1).

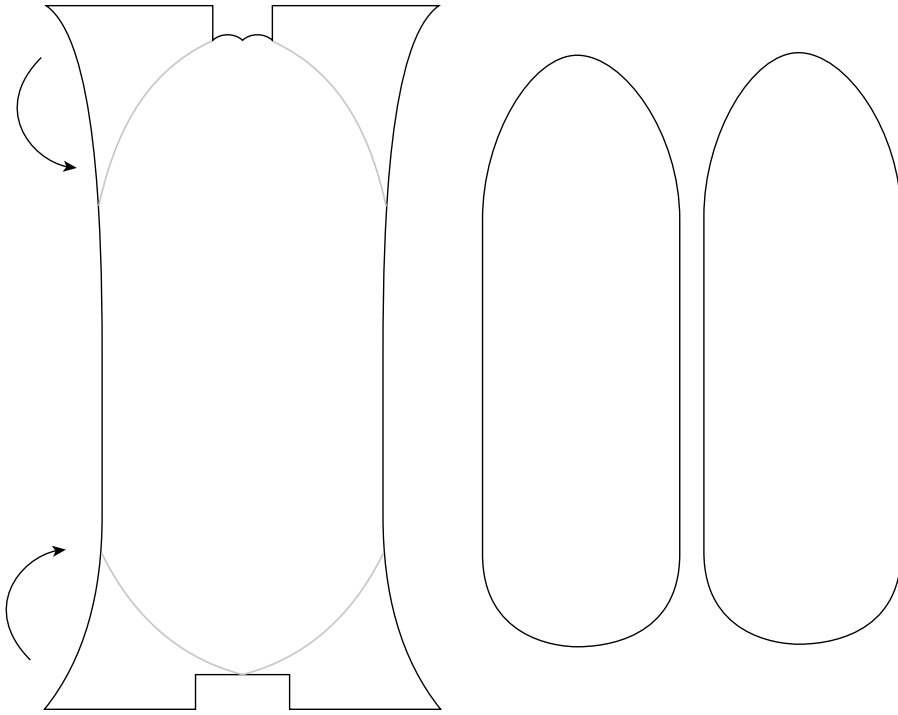


Figure 50. A) The hypothetical cutting pattern showing simplicity as well as efficient use of leather. See the catalogue for more details.



Figure 51. Shoe 9278 from Fustat has a seam running lengthwise down the centre of the sole. Courtesy of the Institut français d'archéologie orientale.

sole, including the backpart but excluding the vamp. In these shoes, the vamp is usually much longer, decreasing the size of the instep (but still leaving much of the foot bare).”

Stubbed-Toe Ankle Shoes

A fair number of Stubbed-Toe Ankle Shoes has been described and discussed (Veldmeijer, 2013b). For a comparison of these and the specimen from Gebel Adda (973.24.2735, Cat. No. 120), a Plain Type shoe, remarkably in the turnshoe technique, the reader is referred to Veldmeijer (2016b: no page numbers known yet). An interesting feature of the Gebel Adda shoe, however, is the construction of the edge binding. A strip of leather is folded over the edge of the instep and is secured with running stitches on the outside, after which it is pulled over this stitching and secured a second time on the inside of the upper by means of whip stitching. To the best of knowledge, such a construction in which the seam is protected by the edge binding itself is only seen in the so-called Tano Chariot – the leather casing and accompanying objects, such as bow case, nave hoops and suspension straps – of a chariot. A detailed discussion will be included in the volume on this chariot leather (Veldmeijer *et. al.* In Preparation).

Montembault's Classe X, Type B, variante 2

Description

Shoes 973.24.3225 (Cat. No. 117) and 973.24.2758 (Cat. No. 116) each consist of a backpart, which is basically a rectangular sheet of leather that is folded around the heel. The vamp is made of one piece as well, and has a triangular flap that points into the instep. The two parts are not secured to each other and in this they differ from shoes that have one or more sideseams to secure the vamp to the backpart (for example Montembault, 2000: 194, 202; Veldmeijer, 2012: 95-144). The two shoes are different in detail, despite having the same cutting pattern: 973.24.3225 (Cat. No. 117) has tear-drop shaped reinforcement patches at the corners of the backpart, whereas 973.24.2758 (Cat. No. 116) has an openwork decorative strip of red leather along the front edge of the instep. The instep edge is sewn with leather thong, but without edge binding, whereas an edge binding is present in 973.24.2758 (Cat. No. 116). A triangular element is present in the latter pair, which lies on top of the vamp extension and through which the laces were pulled. This has not been observed in 973.24.3225 (Cat. No. 117), but such a small, loose element could easily have been lost. Both shoes have a decorated heel stiffener.

Comperanda

There are only a few examples of shoes that fall in this category. Montembault (2000: 203) published one of unknown provenance. The shoe is rather coarse compared to the examples presented here and is devoid of appliqué or decorative stitching. Other parallels of shoes in which the vamp and backpart were not secured together, were found in Qasr Ibrim (cam-3004 and cam-3005, Figure 52 and 53). However, these are without any enhancement and the soles are more pointed at the front. The backpart in cam-3005 is not straight but has an extension

and the front corners extend dorsally as well. As in Gebel Adda examples, there are holes with laces in them on the vamp, just at the start of the pointed extension. The general appearance is, therefore, more similar to Ottoman shoes (*cf.* below). Interestingly, the Qasr Ibrim examples date to the Post-Meroitic (c. 500-550 AD) and is thus of comparable age. Comparable to the examples from Qasr Ibrim in terms of shape and with a cutting pattern that equals this group of shoes is a find from Hawara (Figure 54).

Ottoman Shoes

Qasr Ibrim has produced large quantities of Ottoman leatherwork, including sandals and shoes. This contrasts with nearby Gebel Adda, which only has four entries of shoes. The Qasr Ibrim corpus has been published in detail (Veldmeijer, 2012) and the Gebel Adda shoes have been included as comperanda to which the reader is referred (Veldmeijer, 2012: 154-156; for explanation of the typology: 74-75, 88, 95, 122).

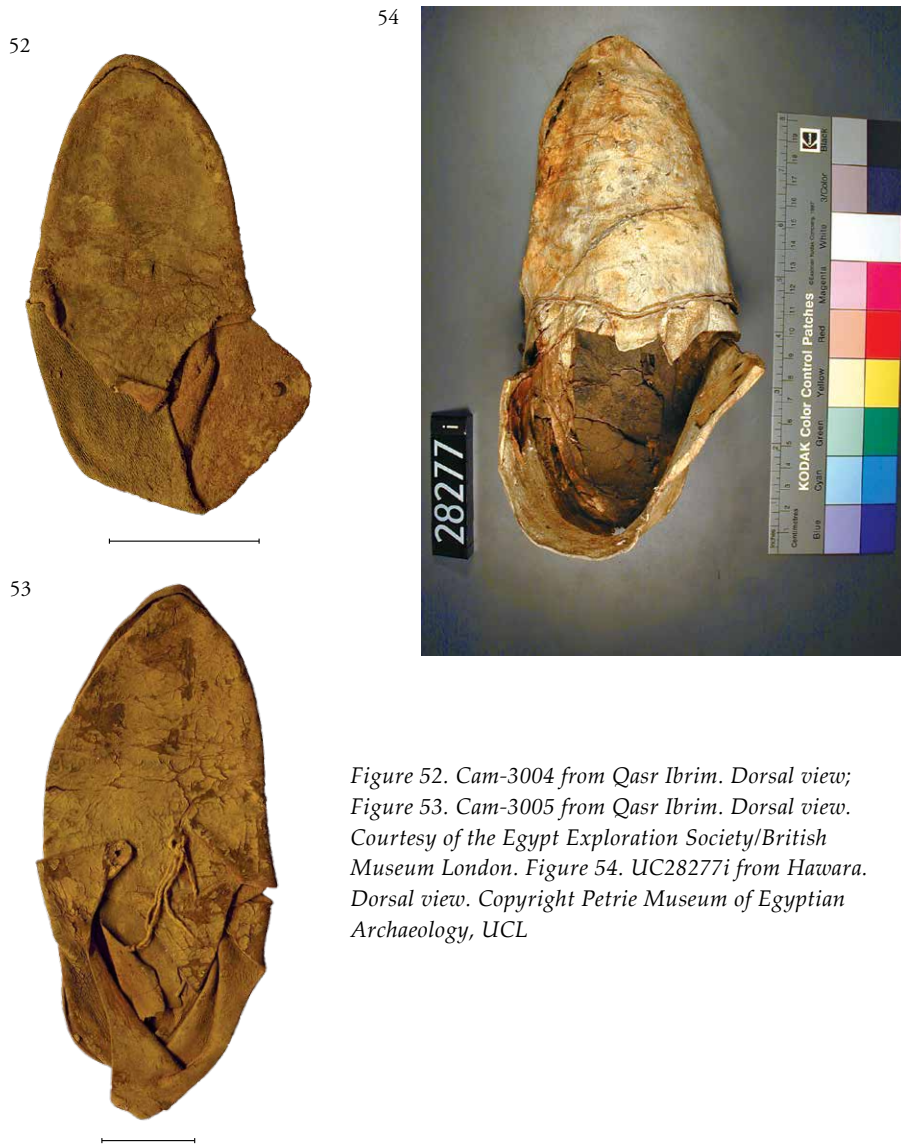


Figure 52. Cam-3004 from Qasr Ibrim. Dorsal view;
 Figure 53. Cam-3005 from Qasr Ibrim. Dorsal view.
 Courtesy of the Egypt Exploration Society/British
 Museum London. Figure 54. UC28277i from Hawara.
 Dorsal view. Copyright Petrie Museum of Egyptian
 Archaeology, UCL

Discussion

The large group of sandals with integrally cut pre-straps from Gebel Adda allowed for the expansion and reappraisal of the AEFP typology, which is supported by comperanda from nearby Qasr Ibrim. This resulted in a well founded typology, in which the three types of Classic Nubian Sandals are all represented by examples from Gebel Adda. Equally clear is the three different ways of constructing the straps. Even though the differences are minor, they seem to point to different traditions/workshops; once a craftsman has learned a certain way of working, one can imagine that changing it was not often done. Different styles might also be the result of the aesthetic or customs of different craftsmen, rather than a shift caused by external (fashion) trends, but such a hypothesis needs more work in order to confirm or reject it. Moreover, it is not clear how specific this footwear really is for this site (and nearby Qasr Ibrim) by asence of published contemporary finds from other Nubian sites. That footwear in ancient Nubia may have had a symbolic function as well as a practical one is clear from the images of frogs and *wḏ3t*-eyes on the straps, and what seem to be Christian crosses.

Classic Nubian Sandals were worn in Meroitic and Post-Meroitic times and have not been found from layers before or after those periods. In earlier times, Nubian Eared Sandals were preferred. Gebel Adda's Classic Nubian Sandals consist of undecorated specimens. of sandals that have only slightly enhanced straps or a simple incised line decoration on the sole. Still, a fair number of sandals are elaborately decorated, and often have constructional features that are done in an aesthetically pleasing way (there are no such examples from Qasr Ibrim known). The high quality of craftsmanship, together with the decoration of these sandals suggests a higher status of the buried individuals, and it would be interesting to compare the footwear with the other burial goods. Since many sandals show signs of wear and even repair, suggesting that the footwear was made to be used and not specifically made for the burial.

The extraordinary shoes from Meroitic and Post-Meroitic times are unique examples of footwear, and although they fit into the typology as developed by Montembault (2000), they still differ significantly from the example in the Louvre, on which the typology was based. They have no parallels and several technological details, such as the use of a backstitch and the loops of small rectangular leather pieces through which laces were threaded, are extremely rare in footwear. The inclusion of a tongue to protect the foot from the laces is equally rare in shoes from ancient Egypt and Nubia (this is due to the lack of true laces – as defined in the present work – which was a very late development). The presence of a tongue and laces could very well be one of the earliest, if not *the* earliest example of such a fastening system in ancient footwear, but additional work is needed to support such a statement. Note that the tongue should not be confused with extensions of the vamp at the side of the instep, as is seen in several types of shoes, such as the pharaonic Curled-Toe Ankle Shoes and the Persian shoes from Elephantine.

The Ottoman shoes compare well with the numerous examples from Qasr Ibrim. Only 973.24.2961 differs in detail, as it has a triple lace extension, rather than a single.

The forthcoming second volume on the leatherwork from Gebel Adda will present all other leatherwork and the relationship between these and the footwear.

Bibliography

- El-Amir, M. 1963. Fouilles de l'Universite d'Alexandrie a Gebel Adda (1959). – Fouilles en Nubie (1959-1961): 35-68.
- Driel–Murray, Van, C. 2002. Sandal Straps. – Archaeological Leather Group Newsletter 16: 3-4.
- Dunham, D. 1982. Excavations at Kerma. Part VI. – Boston, Museum of Fine Arts.
- Emery, W.B. 1963. Preliminary Report on the Excavation at Buhen. 1962. Kush 11: 116-120.
- Frankenhauser, N. 2004. Die koptischen Lederschuhe aus dem Adelhausmuseum in Freiburg/Breisgau. Schadensbilder und Konservierung. In: Verband der Restauratoren e.V. Eds. Beiträge zur Erhaltung von Kunst- und Kulturgut. Heft 1. – Regensburg, Schnell & Steiner: 113-120.
- Goubitz, O., C. van Driel-Murray & W. Groenman van Waateringe. 2001. Stepping Through Time. Archaeological Footwear from Prehistoric Times Until 1800. – Zwolle, Stichting Promotie Archeologie.
- Grew, F. & M. de Neergaard. 1988. Shoes and Pattens. Medieval Finds from Excavations in London. – London, Boydell Press.
- Grzyski, K. 2010. Gebel Adda Revisited. In: Godlewski, W. & A. Lajtar. Eds. Between the Cataracts. Proceedings of the 11th Conference of Nubian Studies, Warsaw University, 27 August-2 September 2006. Part two. Fascicule 1. Session papers. – Warsaw, Polish Centre of Mediterranean Archaeology (Supplement Volume 4/5): 25-30.
- Huber, R. & D.N. Edwards. 2010. Gebel Adda Cemetery One, 1963. Post–Medieval Reuse of X-Group Tumuli. – Sudan & Nubia 14: 83-90.
- Junker, H. 1925. Ermenne. Bericht über die Grabungen der Akademie der Wissenschaften in Wien auf den Friedhöfen von Ermenne (Nubien) im Winter 1911/12. – Vienna/Leipzig, Hölder-Pichler-Tempsky.
- Kueny, G. & J. Yoyotte. 1979. Grenoble, musée des Beaux–Arts Collection égyptienne. – Paris, Édition de la Réunion des musées nationaux.
- Leguilloux, M. 2006. Les objets en cuir de Didymoi. Praesidium de la route caravanière Coptos–Bérénice. – Cairo, Institut Français d'Archéologie Orientale.
- Millet, N.B. 1963. Gebel Adda: Preliminary Report for 1963. – Journal of the American Research Center in Egypt 2: 147-165.
- Millet, N.B. 1964. Gebel Adda Expedition Preliminary Report, 1963-1964. – Journal of the American Research Center in Egypt 3: 7-15.
- Millet, N.B. 1967a. Gebel Adda Preliminary Report, 1965-66. – Journal of the American Research Center in Egypt 6: 53-63.
- Millet, N.B. 1967b. Gebel Adda. Progress Report of the Nubian Expedition of the American Research Center in Egypt inc. Season of 1963. – Fouilles en Nubie (1961-1963): 123–126.
- Millet, N.B. 1987. Nubian Heraldry. – Journal of the Society for the Study of Egyptian Antiquities 17: 33-34.

- Millet, N.B. 2005. The Meroitic Inscriptions from Gebel Adda. – *Journal of the Society for the Study of Egyptian Antiquities* 32: 1-65.
- Montembault, V. 2000. *Catalogue des chaussures de l'antiquité Égyptienne*. – Paris, Musée du Louvre.
- Nauerth, C. 1996. Karare und El-Hibe. Die spätantiken ('koptischen') Funde aus den badischen Grabungen 1913-1914. – Heidelberg, Heidelberg Orientverlag (Studien zur Archäologie und Geschichte Altägyptens Band 15).
- Rose, P.J. 2012. Introduction. In: Veldmeijer, A.J. *Leatherwork from Qasr Ibrim. Part I. Footwear from the Ottoman Period*. – Leiden, Sidestone Academic Press (<http://www.sidestone.com/books/leatherwork-from-qasr-ibrim-egypt>): 15-19.
- Russo, S. 2004. *Le calzature nei papyri de età Greco-Romana*. – Firenze, Istituto Papirologico <<G. Vitelli>> (Studi e Testi di Papirologia N.S. 2).
- Veldmeijer, A.J. 2006. Knots, Archaeologically Encountered: A Case Study of the Material from the Ptolemaic and Roman Harbour at Berenike (Egyptian Red Sea Coast) – *Studien zur Altägyptischen Kultur* 35: 337-366.
- Veldmeijer, A.J. 2007. *Studies of Ancient Egyptian Footwear. Technological Aspects. Part I. Cordage Footwear from Qasr Ibrim*. – *Jaarberichten Ex Oriente Lux* 40: 61-75.
- Veldmeijer, A.J. 2009a. *Studies of Ancient Egyptian Footwear. Technological Aspects. Part IV. Plain Plaited Sandals from Qasr Ibrim*. – *Jaarberichten Ex Oriente Lux* 41: 127-150.
- Veldmeijer, A.J. 2009b. *Studies of Ancient Egyptian Footwear. Technological Aspects. Part X. Leather Composite Sandals*. – *PalArch's Journal of Archaeology of Egypt/Egyptology* 6, 9: 1-27.
- Veldmeijer, A.J. 2009c. *Studies of Ancient Egyptian Footwear. Technological Aspects. Part III. Leather or String Reinforced Plaited Sandals from Qasr Ibrim*. – *Jaarberichten Ex Oriente Lux* 41: 105-126.
- Veldmeijer, A.J. 2009d. 2009. *Studies of Ancient Egyptian Footwear. Technological Aspects. Part XVI: Additional Pair of Leather Open Shoes*. – *Journal of the American Research Centre in Egypt* 45: 233-245.
- Veldmeijer, A.J. 2009e. 2009. *Studies of Ancient Egyptian Footwear. Technological Aspects. Part XV. Leather cCurled-Toe Ankle Shoes*. – *PalArch's Journal of Archaeology of Egypt/Egyptology* 6, 4: 1-21 (online at www.palarch.nl/2009/05/veldmeijer-aj-2009-studies-of-ancient-egyptian-footwear-technological-aspects-part-xv-leather-curved-toe-ankle-shoes---palarch-s-journal-of-archaeology-of-egyptegyptology-64/).
- Veldmeijer, A.J. 2010. *Gebel Adda's Leatherwork in the Royal Ontario Museum, Toronto*. – *Friends of Ancient Egypt Newsletter*, Winter 2010: no page numbers.
- Veldmeijer, A.J. 2011a. With Contributions by A.J. Clapham, E. Endenburg, A. Gräzer, F. Hagen, J.A. Harrell, M.H. Kriek, P.T. Nicholson, J.M. Ogden & G. Vogelsang-Eastwood. *Tutankhamun's Footwear. Studies of Ancient Egyptian Footwear*. – Leiden, Sidestone Academic Press (republished 2010 volume. Free online reading: <http://www.sidestone.com/books/tutankhamun-s-footwear>).
- Veldmeijer, A.J. 2011b. *Amarna's Leatherwork. Part I. Preliminary Analysis and Catalogue*. – Leiden, Sidestone Academic Press (republished 2010 volume. Free online reading: <http://www.sidestone.com/books/amarna-s-leatherwork>).

- Veldmeijer, A.J. 2011c. Studies of Ancient Egyptian Footwear. Technological Aspects. Part XIV. Leather Eared Sandals. – *PalArch's Journal of Archaeology of Egypt/Egyptology* 8, 5: 1–31.
- Veldmeijer, A.J. 2011d. Sandals, Shoes and Other Leatherwork from the Coptic Monastery Deir el-Bachit. Analysis and Catalogue. – Leiden, Sidestone Academic Press (free online reading: <https://www.sidestone.com/books/?q=bachit>).
- Veldmeijer, A.J. 2012. Leatherwork from Qasr Ibrim (Egypt). Part I. Footwear from the Ottoman Period. – Leiden, Sidestone Academic Press (free online reading: <http://www.sidestone.com/library/leatherwork-from-qasr-ibrim>).
- Veldmeijer, A.J. 2013a. 2013. Studies of Ancient Egyptian Footwear. Technological Aspects. Part XIII. Side-Covering Leather Sandals. – *Jaarberichten Ex Oriente Lux* 44: 49-59.
- Veldmeijer, A.J. 2013b. Studies of Ancient Egyptian Footwear. Technological Aspects. Part XVII. Leather Stubbed-Toe Ankle Shoes. – *Jaarberichten Ex Oriente Lux* 44: 61-77.
- Veldmeijer, A.J. 2014. Cat. Nos. 18-31. In: O'Connell, E.R. Ed. Catalogue of British Museum Objects from The Egypt Exploration Fund's 1913/14 Excavation at Antinopolis, with contributions by Amelia Dowler, Frances Pritchard, Ross I. Thomas & André J. Veldmeijer. In: Pintaudi, R. Ed. Antinopolis II: Scavi e material. – Firenze, Istituto papirologico "G. Vitelli."
- Veldmeijer, A.J. 2016a. Leatherwork from Elephantine (Awan, Egypt). Analysis and Catalogue of Ancient Egyptian & Persian Footwear. – Leiden, Sidestone Academic Press.
- Veldmeijer, A.J. 2016b. Sailors, Musicians and Monks: The Leatherwork from Dra Abu el-Naga (Luxor, Egypt). – Leiden, Sidestone Academic Press.
- Veldmeijer, A.J. In Press. Fustat: Preliminary Report on the Leatherwork. In: Denoix, S. & R.-P. Gayraud. Fustat-Istabl 'Antar Excavations. – Cairo, Institut Français d'Archéologie Orientale
- Veldmeijer, A.J. In Preparation. [working title: Fustat Leatherwork].
- Veldmeijer, A.J. & S. Ikram. In Preparation. With Contributions by O. Herslund, L. Sabbahy & L. Skinner. [The Egyptian Museum Chariot Project. Part I. Leather].
- Veldmeijer, A.J. & L. Skinner. In Press. Nubian Leatherwork. In: Raue, D. Ed. Handbook of Ancient Nubia. – Berlin, De Gruyter.
- Williams, B. 1983. Excavations Between Abu Simbel and the Sudan Frontier. C-Group, Pan Grave, and Kerma Remains at Adindan Cemeteries T, K, U, and J. – Chicago, The Oriental Institute of the University of Chicago.
- Williams, B. 1991. Excavations Between Abu Simbel and the Sudan Frontier. Nubadian X-Group Remains from Royal Complexes in Cemeteries Q and 219 and From Private Cemeteries Q, R, V, W, B, J, and M at Qustul and Ballana. – Chicago, The Oriental Institute Press.
- Winterbottom, S. 2001. Leather. In: Maxfield, V.A. & D.P.S. Peacock. Eds. Survey and Excavations Mons Claudianus 1987-1993, Volume II, Excavations: Part 1. – Institut Français d'Archéologie Orientale 43: 313-353.

CATALOGUE

SANDALS

CLASSIC NUBIAN TYPE I

CATALOGUE NUMBER 1

ROM Registration: Number 973.24.2010.1, 2

Excavation/Field Number 63:12:50

Object Type Incomplete/fragmented sandals
Classic Nubian Type I, Variant A,
Rounded Front, Double Front
Strap

Provenance Cemetery 3, Tomb 508

Date Late Meroitic (c. 350-400 AD)

Measurements (1) l: 223; w heel: 205; w waist:
77.7; w front: 105; t: 1.8; w front
strap: 6.7; (2) l: appr. 260; w heel:
appr. 138; w waist: appr. 64.7; w
front: 94.6. w back strap: 14.6; w
front strap: 5.7

Colour (1) Brown; (2) Light brown

Remarks Tomb Card 3. Sandal (2) consists
of several fragments and is rather
fragile. So much so, that without
prior consolidation and/or conser-
vation the ventral surface could not
be photographed and hence is not
included here. The sandals are too
different to be a pair.

Description

(1) A sandal consisting of a single, fairly thin sole. The pre-straps are triangular in shape but asymmetrical,

which seems coincidental. The edge of the sole between the pre-straps proper, is worn through entirely. There are two holes for the reception of the front strap, of which remnants are still *in situ* in one. It is secured at the ventral surface by means of a knot, rather than a button.

(2) A sandal consisting of a fairly thin, single layer sole. As with the first sandal, the pre-straps are triangular in shape but asymmetrical, which seems coincidental. The dorsal surface of the sole is elaborately decorated with impressed motifs. A row of transverse zigzag patterning is flanked with an impressed line along the edge (but not along the edge of the pre-straps). Within this border decoration are transverse rows of zigzag motifs and circles, which are separated by a double transverse line. The straps are Regular Type I but exactly how the back strap is secured after the looping is uncertain since the fragile condition of the sandal prohibited a closer look. It is clear, however, that much attention was given to the aesthetic aspect of the attachment. The weaving of the back strap to the front strap might suggest that additional decorative elements were part of this junction of straps (*cf.* for example 973.24.2699, Cat. No. 61) but if so, these are lost. Both ends of the front strap are secured at the ventral surface with an overhand knot.

1



2



Above: 973.24.2010.1. A nearly complete sole. Dorsal and ventral view; Left: 973.24.2010.2. Dorsal view. The condition of the sandal did not allow turning to photograph the ventral surface.



973.24.2010.2. Detail of the attachment area of the backstrap with the double front strap. Scale bar is 10 mm.

CATALOGUE NUMBER 2

ROM Registration: Number 973.24.2696.1-3
Excavation/Field Number 63:3:368
Object Pair of incomplete sandals
Type Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
Provenance Cemetery 3, Tomb 89
Date Late Meroitic (c. 350-400 AD)
Measurements (1) l: 278; w heel: 165; w waist: 68.7; w front: 98.5; t: 3.3; w back strap: 15.5; w front strap: 4.1; (2) l: 200; w back: 73.2; w front: 98.4; t: 2.4; w front strap: 6; (c) 34.7 x 89.9; t: 2.0. Pre-strap: 34.8 x 58.2 (incl. fold)

Colour Dark brown
Remarks Tomb Card 5
Description

One complete sandal with a single sole layer, including several detached fragments of the straps, and three fragments of the matching sandal. The front strap in the most complete sandal is secured at the ventral surface of the sole: one end was pulled through the slit in the other and tied into a half hitch. This is probably a repair. The straps are a Regular Type I. Note the wear hole in the sole just posterior to the front strap.



973.24.2696.1. A nearly complete sole with detached strap fragments. Dorsal and ventral view.

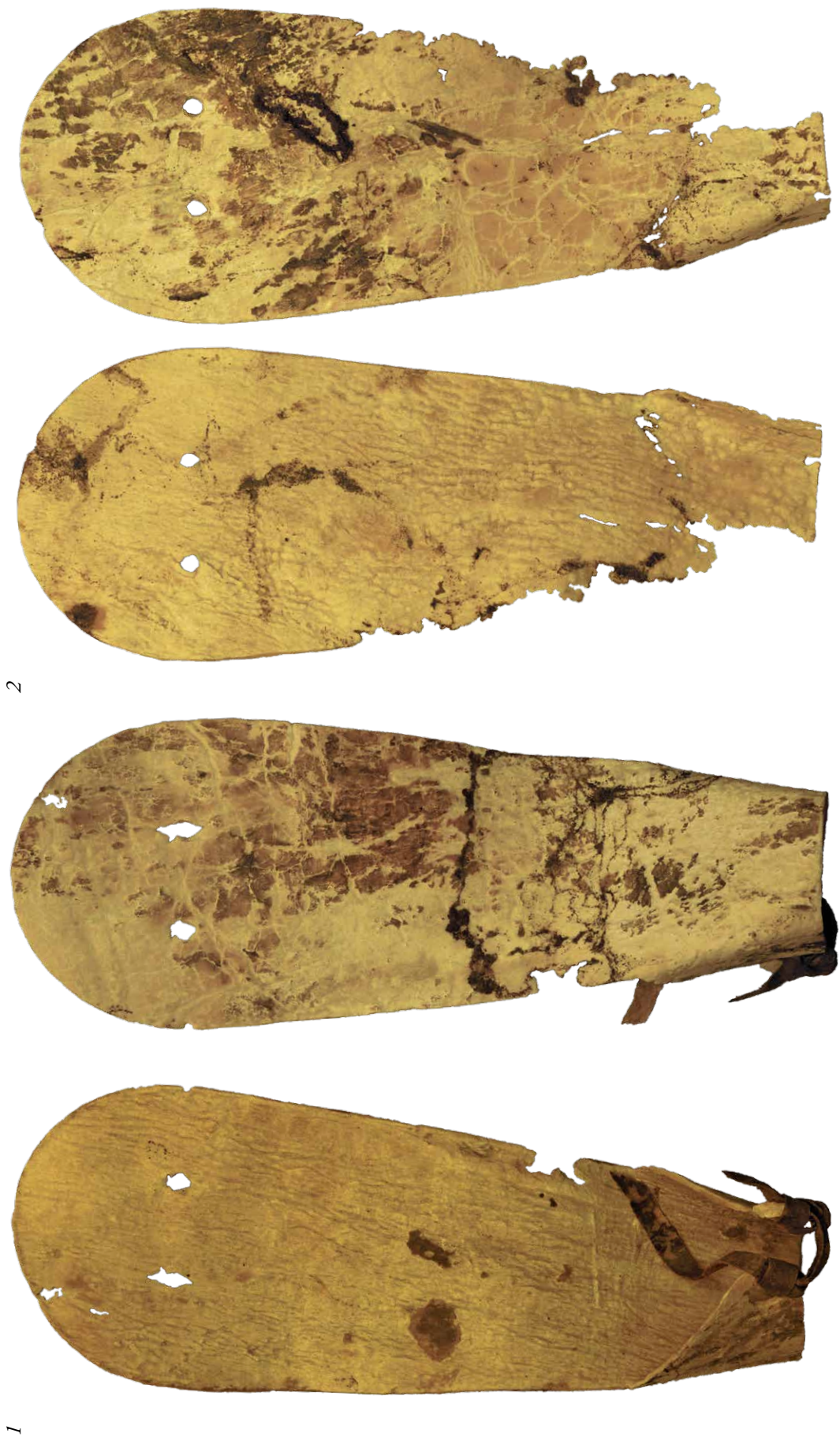


Left: 973.24.2696.2. Sole fragment. Dorsal and ventral view; Below: 973.24.2696.3. Obverse and reverse.



CATALOGUE NUMBER 3

<i>ROM Registration: Number</i>	973.24.2698.1, 2	<i>Colour</i>	Beige white
<i>Excavation/Field Number</i>	63:4:302	<i>Remarks</i>	Tomb Card 5
<i>Object</i>	Pair of sandals	<i>Description</i>	
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap	Note the thin sole layer.	
<i>Provenance</i>	Cemetery 3, Tomb 268	(1) A nearly complete sandal (single sole layer), but most of the straps are missing. The only parts that are still <i>in situ</i> are the heel strap and short lengths of both back straps.	
<i>Date</i>	Late Meroitic (c. 350-400 AD)	(2) Part of a sandal, with a large section of the heel and part of one edge of the back half of the sandal missing. Nothing remains of the straps.	
<i>Measurements</i>	(1) l: 283; w heel: 185; w waist: 78.6; w front: 105.4; t: 3.6; w straps: 7.4; (2) l: 280; w heel: 75; w waist: 68.6; w front: 107.4; t: 3.2		



2

1

973.24.2698.1, 2. Pair of sandals. Dorsal and ventral view.

CATALOGUE NUMBER 4

<i>ROM Registration: Number</i>	973.24.2739
<i>Excavation/Field Number</i>	63:12:152
<i>Object</i>	Sandal
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 447
<i>Date</i>	Early Post-Meroitic (Post-Meroitic: c. 400-650 AD)
<i>Measurements</i>	l: 265; w heel: 160; w waist 67.3; w front: 104.3; t: 1.8; w back strap: 11.7; w front strap: 5.3
<i>Colour</i>	Brown
<i>Remarks</i>	Tomb Card 5

Description

A nearly complete (single sole layer) right sandal – judging from the slightly swayed sole that is caused by a stronger convex medial side (at the front half) than lateral side. The heel is worn through and part of the front lateral edge is missing. A short fragment is detached, which might be part of the straps. The dorsal surface of the sole is enhanced with an impressed line along the edge (roughly 5 mm inwards from the edge). On the inside of this edge, the decoration consists of a paired impressed line that also follows the edge of the sole, inside of which are paired lines impressed diagonally from the anteriomedial corner to anterolateral corner. The straps are Regular Type III.



973.24.2739. A nearly complete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 5

<i>ROM Registration: Number</i>	973.24.2755.1-6	(2) & (3) Pre-strap tips with attachment area for the heel- and back straps, belonging to (1).
<i>Excavation/Field Number</i>	63:3:243	(4) The attachment area of the back strap to the front strap (which is folded lengthwise), belonging to (1). The attachment is covered with a patch, consisting of an oval lower part with several motifs cut out and a trapezoidal upper part. Comparable motifs are visible on the other attachment area, see (6), but these do not seem to have been cut out. There are two layers, which are secured by the winding of the back strap attachment as well as with one stitch of leather thong in the trapezoidal part.
<i>Object</i>	Sole and strap fragments	(5) Small, featureless scraps of strap.
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap	(6) A sandal (single sole layer) lacking a large part of the front, but with the attachment area of the back- and heel straps to the pre-straps intact; the larger sections of the back strap running towards the front strap are also present. An incised line along the edge is only minimally visible, but the overall decoration scheme seems to be different from the other sandal. The heel is worn through. Note the cut at a right angle to the edge at the start of the pre-straps. The attachment area of the back strap to the front strap is as (4) but more complete and better preserved. A circular part on top of the trapezoidal part is visible. This element is made of one layer only, whereas the other elements are all made of two layers. Note also the long decorative streamers of the back strap attachment dangling down.
<i>Provenance</i>	Cemetery 3, Tomb 98	
<i>Date</i>	Post-Meroitic (c. 400-650 AD)	
<i>Measurements</i>	(1) l: 243; w heel: 48; w waist: 63.5; w front: 91.4; t: 2.5; (2) 58 x 84; w back strap: 21; t: 1.2; (3) 73.9 x 55; t: 4.6; w: 22.5; (4) l: 74.7; w: 16.5-25.4; w front strap: 4.8; t central part: 2.2; (5) Varying from l: 72.8; w: 5.3 to l: 66.8; w: 21.8; (6) l: 225; w heel: 175; w waist: 65.2; w front: 98.3; t: 3.2; w back strap: 21; l decorative patch front strap: 79.8; w decorative patch front strap max.: 26.7	
<i>Colour</i>	Dark brown, black	
<i>Remarks</i>	Tomb Card 3	
<i>Description</i>	(1) A largely incomplete sandal (single sole layer), which lacks most of the heel part. There are several holes (caused by deterioration rather than use) and the edges are incomplete. At the front there is a crack, which is repaired with coarse running stitches made of leather thong. The dorsal surface is enhanced with two parallel, impressed lines along the edge and one (possibly two) lengthwise down the centre.	

Next page: 973.24.2755.1. Sole fragment, dorsal and ventral view; 973.24.2755.2, 3. Pre-straps. Dorsal and ventral view; 973.24.2755.4. Attachment area of the back strap to the front strap. Recto and verso; 973.24.2755.5. Featureless scraps, probably from straps and streamers; 973.24.2755.6. Incomplete sole. Dorsal and ventral view, and attachment area of the back strap to the front strap. Recto and verso.

1



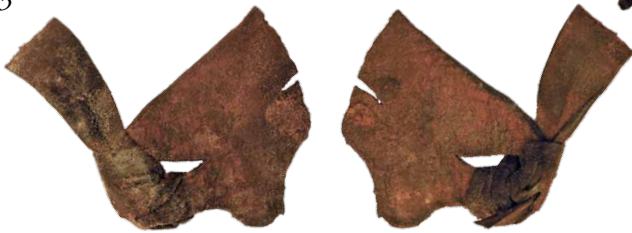
2



4



3



6

5



6



CATALOGUE NUMBER 6

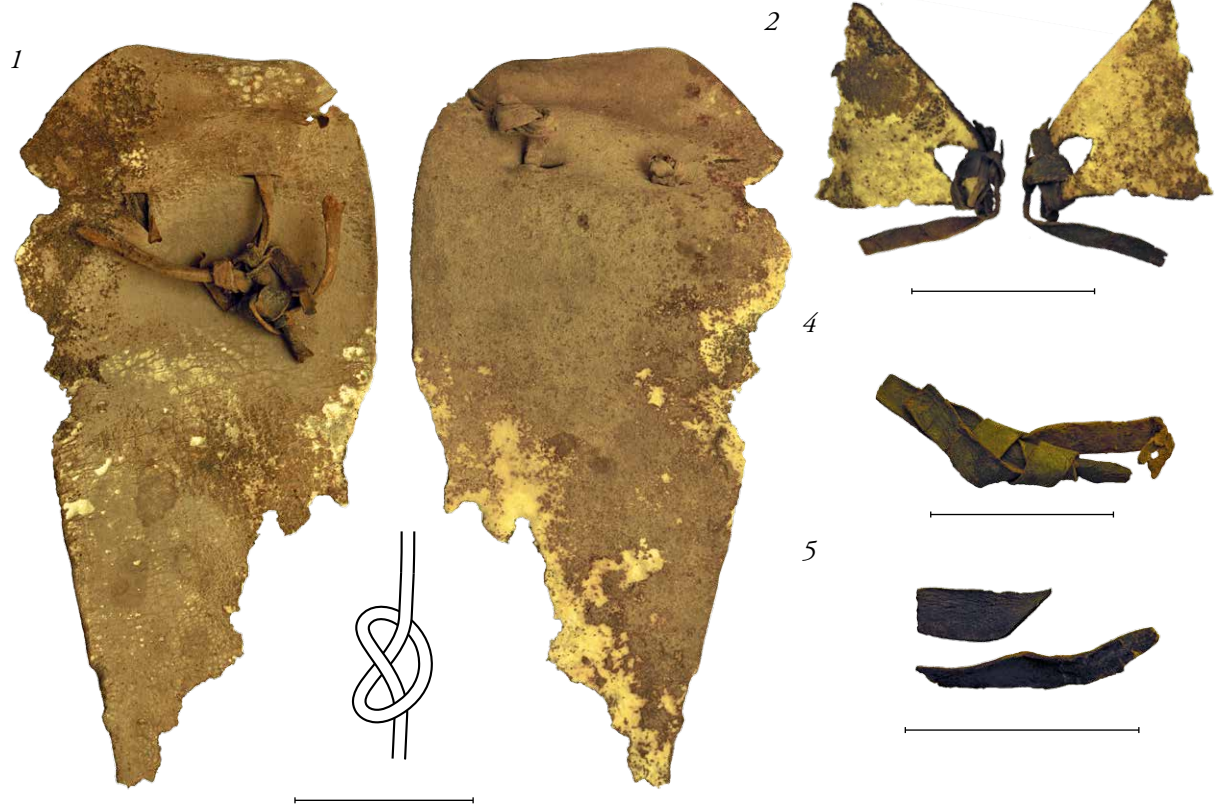
<i>ROM Registration: Number</i>	973.24.2763.1-5
<i>Excavation/Field Number</i>	64:12:146
<i>Object</i>	Sole and strap fragments
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 446
<i>Date</i>	Post-Meroitic? (c. 400-650 AD)
<i>Measurements</i>	(1) l: 235; w back: 77.1-41.6; w front: 99.7; t: 2.2; w strap: 4.1; (2) h: 55.5; w: 49.6; t: 2.1; w strap: 5.2; (3) h: 96.7; w: 87.2; t: 2.4; w strap: 6.2; (4) 18.5 x 79.2; (5) l: 28.8-52.5; w: 8.7-11
<i>Colour</i>	Light brown, brown

Description

(1) Approximately the front half of a sandal (single sole layer). The double front strap is pulled through slits and are both secured by means of overhand knots at the ventral surface. The messy attachment area of the back straps to the front straps (the former is looped around the latter) suggests repair.

(2) & (3) The attachment areas of the back- and heel straps to the pre-straps belonging to (1). Note the equally messy way of attaching the straps.

(4) & (5) Small fragments of the back- or heel strap. Fragment (4) is part of the attachment area to the front strap.



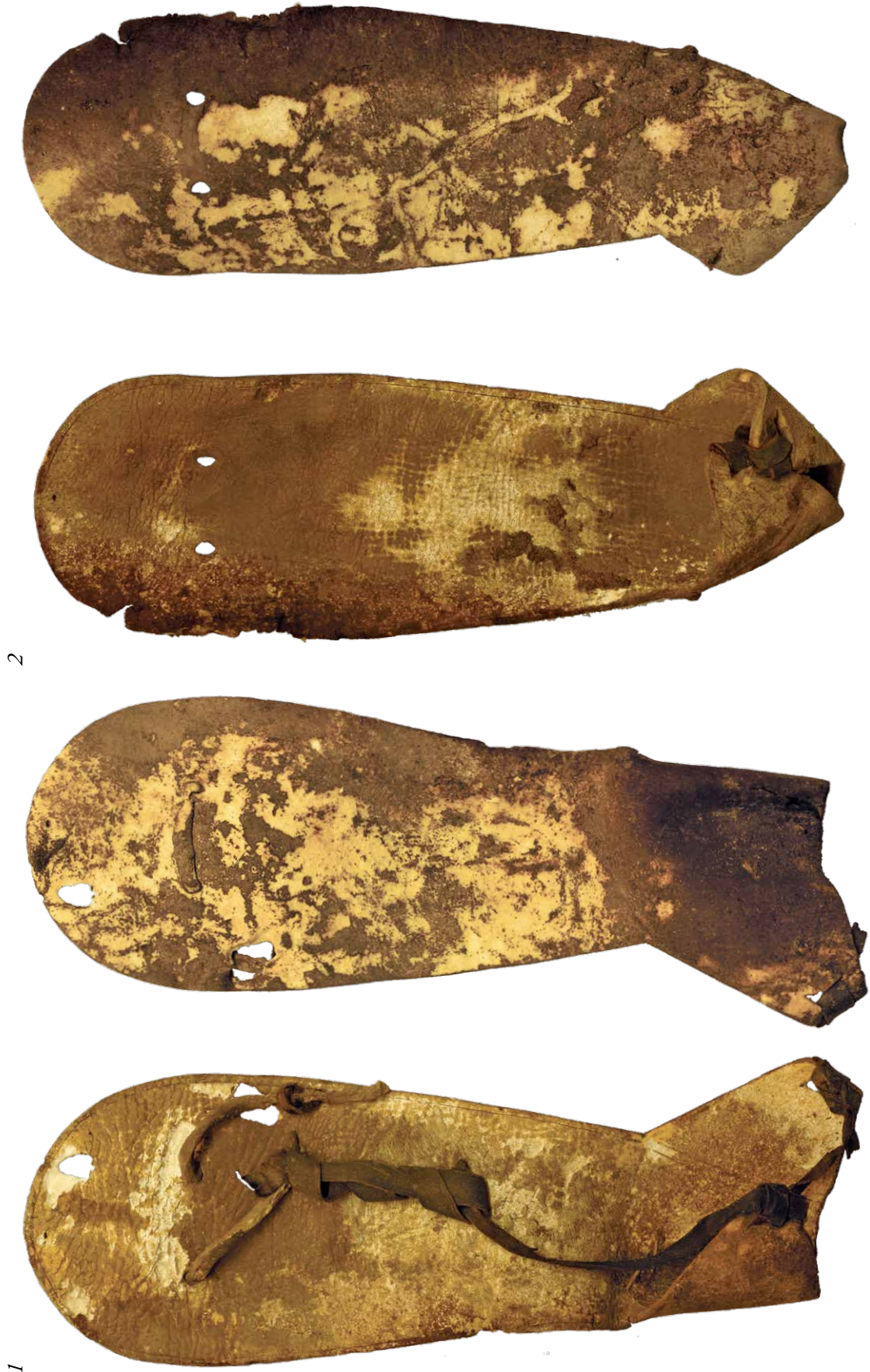
973.24.2763.1. Sole fragment. Dorsal and ventral view (with a diagram of the knots); 973.24.2763.2, 3. Pre-straps. Dorsal and ventral view; 973.24.2763.4. Attachment area of the back strap to the front strap. Recto and verso; 973.24.2763.5. Featureless scraps from straps.

CATALOGUE NUMBER 7

<i>ROM Registration: Number</i>	973.24.2941.1-2	<i>Colour</i>	White to light brown with brown straps
<i>Excavation/Field Number</i>	-		
<i>Object</i>	Pair of sandals	<i>Description</i>	
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap		A pair of sandals, with the dorsal surface each enhanced by an incised line several millimeter in from the edge. This line does not extend onto the triangular pre-straps. The straps (Regular Type III) are nearly complete on one sandal, although the attachment area of the back strap to the front strap is damaged. In the other sandal, only the attachment area of the back- and heel straps to the pre-straps is preserved. Patches of hair still are present on the dorsal surface.
<i>Provenance</i>	?		
<i>Date</i>	?		
<i>Measurements</i>	(1) l: 270; w heel: 150; w waist: 65.7; w front: 96.3; t: 4.1; w back strap: 6.8-9.8; t: 1.4; w front strap: 5.7; t: 3.2; (2) l: 270; w heel: 158; w waist: 64.2; w front strap: 93; w back strap: 8.3		

CATALOGUE NUMBER 8

<i>ROM Registration: Number</i>	973.24.2950.1-2		
<i>Excavation/Field Number</i>	-		
<i>Object</i>	Fragments of one(?) sandal		
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap(?)		
<i>Provenance</i>	?		
<i>Date</i>	?		
<i>Measurements</i>	(1) l: 90.8; w 52.5-80.3; t: 2.3; (2) l: 155; w heel: 162; w waist: 50.2; w 'front': 30.1; t: 2		
<i>Colour</i>	Brown		
<i>Description</i>			
	(1) The front part of a sandal, with one hole for the front strap just visible. The dorsal surface is enhanced		with two parallel, incised lines along the edge. Possibly there are additional impressed motifs but the condition is too bad to be certain.
			(2) The heel and half of the front part of a sandal. One pre-strap still has remnants of the back- and heel strap <i>in situ</i> . The dorsal surface is enhanced with two parallel, incised lines along the edge. Immediately inwards from this decoration is a band with stamped zigzag motifs that are orientated horizontally. Remnants suggest that bands of these motifs ran transversely between the edge decoration, but with the motifs orientated vertically. These bands might alternate with bands of other motifs, but the condition of the sandal prohibits certainty.



1

2

973.24.2941.1, 2. Pair of sandals. Dorsal and ventral view.

1

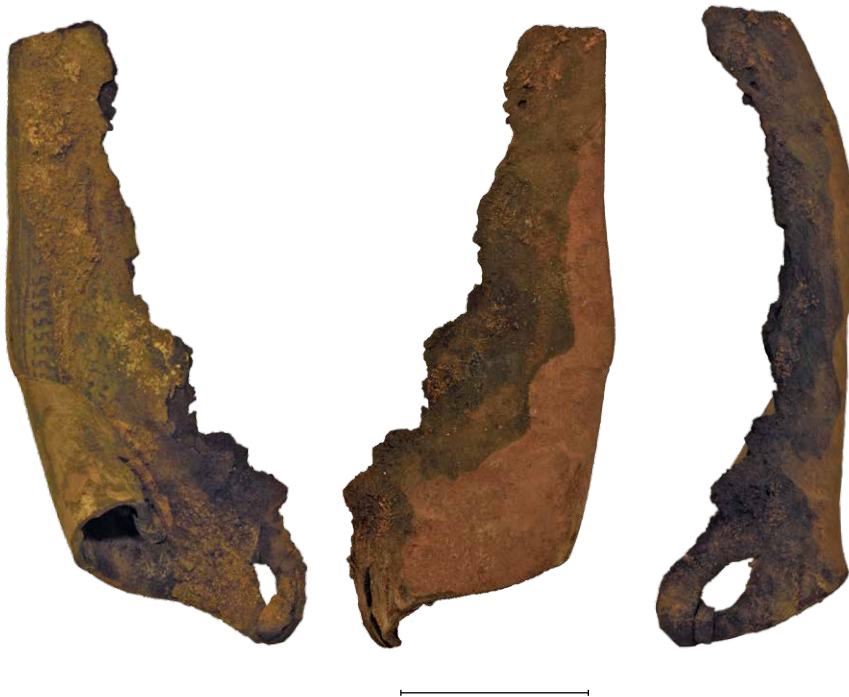


2



973.24.2950.1. Sole fragment. Dorsal and ventral view; Right: 973.24.2950.2. Detail of the decoration on the dorsal surface. Scale bar is 10 mm; 973.24.2950.2. Dorsal, ventral and side view.

2



CATALOGUE NUMBER 9

<i>ROM Registration: Number</i>	973.24.2960.1-5
<i>Excavation/Field Number</i>	-
<i>Object</i>	Fragments of a pair of sandals
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	?
<i>Date</i>	?
<i>Measurements</i>	(1) l: 195; w: 103.1; t: 1.4; w back strap: 13.2; w front strap: 6.4; (2) l: 128; w: 104; t: 2.0; w back strap: 7.5; w front strap: 7.4; (3) 57 x 80; (4) 57.8 x 62; t: 3; (5) w: 4.6-10.8; t: 2.6-3.5
<i>Colour</i>	Light brown with dark brown straps

Description

- (1) The front half of a sandal, with the front strap and the attachment area of the back strap to the front strap still largely intact, indicating Regular Type III straps. The sole is very thin and shows several holes and much damage to the edge (post-depositional).
- (2) A small, incomplete part of the front strap area. Remnants of the attachment of the back strap to the front strap slits are still visible.
- (3) The pre-strap with the attachment of the back- and heel strap *in situ*.
- (4) A much damaged sole(?) fragment.
- (5) Pieces of straps?



973.24.2960.1. Sole fragment. Dorsal and ventral view; 973.24.2960.2. Sole fragment. Dorsal and ventral view; 973.24.2960.3. Pre-strap with a fragment of the back strap. Dorsal and ventral view; 973.24.2960.4. Sole fragment. Dorsal and ventral view; 973.24.2960.5. Several fragments. Overview.

CATALOGUE NUMBER 10

<i>ROM Registration: Number</i>	973.24.2968
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	?;
<i>Date</i>	?;
<i>Measurements</i>	l: 277; w heel: 180; w waist: 76.1; w front: 11.5; t: 3.5; w back- and front strap: 7.7; t back strap: 1.2; t front strap: 3
<i>Colour</i>	Light brown, brown
<i>Remarks</i>	The label reads: "3 774 5 [in circle] drawn but not registered".

Description

A complete and largely intact sandal: there are some small holes in the sole and a small damaged spot at the edge, just in front of one of the pre-straps. The dorsal surface of the sole has an incised line a few millimetres inwards of the edge. At the heel, the line runs straight towards the heel's edge, rather than following the edge of the pre-strap. An incised line lengthwise down the centre ends in a 'V' at the front. Note the small triangular protrusions in front of the pre-strap extensions (arrow; cf. e.g. 973.24.3260, Cat. No. 13). The straps are Regular Type III.



973.24.2968. Complete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 11

<i>ROM Registration: Number</i>	973.24.2680.1-2
<i>Excavation/Field Number</i>	63:4:331
<i>Object</i>	Pair of sandals and strap fragments
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 278
<i>Date</i>	?
<i>Measurements</i>	(1) l: 280; w heel: 150; w waist: 70; w front: 100; t: 3.2; w back strap: 11.7; w front strap: 6.1; t front strap: 4; (2) l: 278; w heel: 122; w waist: 64.7; w front: 99.7; t: 2.9; w back strap: 12.3; w front strap: 5.5; t front strap: 3.6
<i>Colour</i>	White with brown hair and dark brown straps
<i>Remarks</i>	Tomb Card 6

Description

A near-complete pair of sandals. One has the straps (Regular Type III) still *in situ*, although the pre-straps are torn. The attachment area of the pre- and heel straps in the other sandal is still *in situ*, but the attachment area (including larger parts of the front strap) are detached, but still present. The sandals consist of a fairly thick sole, the dorsal surface of which is enhanced with one incised line along the edge as well as

with two lines lengthwise down the centre. The surface is still largely covered with brown hair, which is more widespread on one than in the other. The back and heel straps are of thinner leather, which is dark brown in colour. Note the small hole in the front.



973.24.2680.1. *The attachment area of the back strap with the double front strap (the sandals are shown on the next page).*

CATALOGUE NUMBER 12

<i>ROM Registration: Number</i>	973.24.2970
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sole
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	?
<i>Date</i>	?
<i>Measurements</i>	l: 285; w heel: 100; w waist: 65.6; w front: 105; t: 4
<i>Colour</i>	Brown with red-brown hair

Description

A largely complete sole, but lacking one full pre-strap and part of the other. Nothing remains of the straps. The dorsal surface is still mostly covered with red-brown hair; the hair is absent only at the heel, which is due to wear. It can be certain that the hair was left on purpose, as it is defined by a set of parallel, incised lines that run slightly inwards along the edge, continuing straight towards the heel's edge rather than following the edge of the pre-straps. Another set of incised lines runs lengthwise down the centre, thus dividing the hair cover in two, and ends in a 'V' at the front. Just anterior of this 'V' is a small hole, the purpose of which is unclear, but which is seen fairly often.



2

1

973.24.2680.1, 2. Pair of sandals. Dorsal and ventral view.



973.24.2970. An incomplete sole. Dorsal and ventral view.

CATALOGUE NUMBER 13

<i>ROM Registration: Number</i>	973.24.3260
<i>Excavation/Field Number</i>	-
<i>Object</i>	Incomplete sole
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 774
<i>Date</i>	?
<i>Measurements</i>	l: 275; w heel: 138; w waist: 83.7; w front: 78.6; t: 2.4
<i>Colour</i>	White, dark brown
<i>Remarks</i>	Tomb Card 5

Description

An incomplete sandal, which lacks a large part of the front and side, but does have the terminal ends of the pre-straps. Several holes are visible in the sandal, which are due to deterioration (most probably insects). The edges and pre-straps are stripped of the leather's surface layer, showing the white underlying layer. Still visible, however, is the decorative incised line extending lengthwise down the centre. Since the front part is missing, it is not clear whether it ends in a 'V' as seen in, for example 973.24.2968 (Cat. No. 10). Note the small triangular protrusions in front of the pre-strap extensions (*cf. e.g.* 973.24.2968, Cat. No. 10).



973.24.3260. An incomplete sole. Dorsal and ventral view.

CATALOGUE NUMBER 14

<i>ROM Registration: Number</i>	973.24.3320.1-3	(2) l: 170; w heel: 30; w waist: 42;
<i>Excavation/Field Number</i>	-	w front: 56.5; t: 2.2; (3) l: 65; w;
<i>Object</i>	Pair of sandals and strap(?) fragment	6.3
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap	<i>Colour</i> (1), (2) White, light brown to brown; (3) Brown
<i>Provenance</i>	Cemetery 3, Tomb 762	<i>Remarks</i> Tomb Card 2
<i>Date</i>	?	<i>Description</i> (1) & (2) A pair of significantly damaged sandals. The pre-straps are incomplete and the sole has various holes that are due to post-depositional circumstances. (3) Featureless strip of leather, which is possibly part of the straps.
<i>Measurements</i>	(1) l: 160; w heel: 90; w waist: 40.9; w front: 58.3; t: 1.5; w strap: 7.5;	



973.24.3320.1, 2. A pair of damaged soles. Dorsal and ventral view; 973.24.3320.3. Strap(?) fragment.

CATALOGUE NUMBER 15

<i>ROM Registration: Number</i>	973.24.2971.2
<i>ROM Registration: Group</i>	973.24.2971.1, 2 (1) Cat. No. 69
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal parts
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	?
<i>Date</i>	?
<i>Measurements</i>	l: 116*; w heel: 155; w front edge: 115; w back strap: 25.5; t sole: 2.5
<i>Colour</i>	White to light brown with dark brown straps;

Remarks Fragments (1) and (2) are not part of the same sandal. The dating of 973.24.2971.1 is on the assumption that it forms a pair with 973.24.2690. Such a connection cannot be made for 973.24.2971.2.

Description Approximately the back half of a sandal of light coloured leather. The attachment area of one of the dark brown, fairly wide back straps to the pre-strap is still largely intact. Note the large holes cut in the pre-straps in order to accommodate the straps.

2



973.24.2971.2. Sole fragment, back half. Dorsal and ventral view.

CATALOGUE NUMBER 16

<i>ROM Registration: Number</i>	973.24.3325.2	<i>Measurements</i>	l: appr. 250; w heel: appr. 155; w waist: 65.4; w front: 94.7; t: 1.8; w back strap: 15.2; w front strap: 5.3
<i>ROM Registration: Group</i>	973.24.3325.1-2 (1) See forthcoming second volume	<i>Colour</i>	White, light brown to brown and dark brown straps
<i>Excavation/Field Number</i>	-	<i>Remarks</i>	Tomb Cards 5 and 9
<i>Object</i>	Sandal	<i>Description</i>	A nearly complete sandal, lacking only parts of the heel's edge and of the pre-straps. The edge of the sole is damaged and there are several large holes, especially in the front, which are from deterioration. The straps are incomplete, but the remnants suggest it is a Regular Type I.
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap		
<i>Provenance</i>	Cemetery 4, Tomb 242		
<i>Date</i>	?		



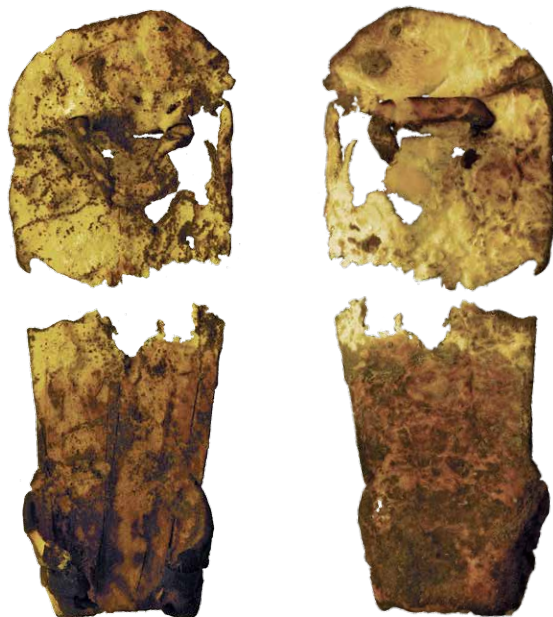
973.24.3325.2. A nearly complete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 17

<i>ROM Registration: Number</i>	973.24.3345
<i>Excavation/Field Number</i>	-
<i>Object</i>	Incomplete sole
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	?
<i>Date</i>	?
<i>Measurements</i>	l: appr. 130; w heel: 90; w waist: 35.2; w front: 48.7; t: 2.2; w front strap: 5
<i>Colour</i>	White, light brown to brown

Description

A nearly complete sandal, but missing a short piece in the middle. The double front strap is largely complete and the attachment areas of the back- and heel strap to the pre-straps are also *in situ*. The dorsal surface of the sole is enhanced with an incised line slightly inwards from the edge (as usual running to the heel's edge rather than following the edge of the pre-strap) as well as two parallel lines extending lengthwise down the centre. It is not certain if these two lines end in a 'V', as seen in 973.24.2968 (Cat. No. 10), for example.



973.24.3345. *An incomplete sole. Dorsal and ventral view.*

CATALOGUE NUMBER 18

<i>ROM Registration: Number</i>	973.24.3378
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal
<i>Type</i>	Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 807
<i>Date</i>	?
<i>Measurements</i>	l: appr. 270; w heel: appr. 150; w waist: 61.8; w front: 96.7; t: 2.8; w back strap: 7.2; w front strap: 5.1
<i>Colour</i>	Brown
<i>Remarks</i>	Tomb Card 1

Description

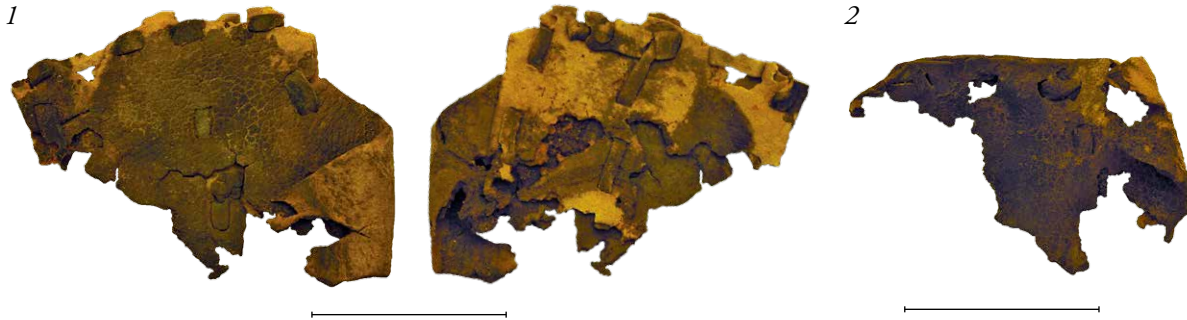
A nearly complete sandal, only lacking a large part of the heel. One pre-strap is still connected to the back strap, but detached from the sole. The heel was repaired on at least two occasions. These leather patches are coarsely secured with running stitches of leather thong. The dorsal surface of the sole is enhanced with a barely visible impressed design: two parallel lines flank a band of motifs along the edge. The area inside is enhanced by bands of motifs that are also flanked by two parallel lines. The orientation of this decoration is diagonal from front to back. The attachment area between the back strap and front strap can be described as Regular Type III.



973.24.3378. A nearly complete sandal.
Dorsal and ventral view.

CATALOGUE NUMBER 19

<i>ROM Registration: Number</i>	973.24.3246.1, 2	<i>Colour</i>	Brown
<i>ROM Registration: Group</i>	973.24.3246.1-5 (3)-(5) See forthcoming second volume	<i>Remarks</i>	Label reads: "4-44"
<i>Excavation/Field Number</i>	-	<i>Description</i>	(1) An irregularly shaped fragment of the heel of a sandal, including part of the pre-strap. The sole was significantly repaired at least once but possibly twice. The repair patches are secured with large leather thong running stitches.
<i>Object</i>	Fragments of soles		(2) A small, irregularly shaped fragment of the heel of a sandal, which possibly fits with fragment (1). It also has a repair patch, which is secured with leather thong running stitches.
<i>Type</i>	Classic Nubian Type I, Variant A(?)		
<i>Provenance</i>	?		
<i>Date</i>	?		
<i>Measurements</i>	(1) l: 69.7; w: 101.2; t: 7.3; (2) l: 55; w: 115; t: 5.5		



973.24.3246.1. Small sole fragment, including part of the pre-strap. Dorsal and ventral view; 973.24.3246.2. Small sole fragment. Dorsal view.

CATALOGUE NUMBER 20

ROM Registration: Number 973.24.3329.1-4
ROM Registration: Group 973.24.3329.1-6
 (5)-(6) See forthcoming second volume

Excavation/Field Number -

Object Pair of sandals and fragments of another

Type (1), (2) Classic Nubian Type I, Variant A, Rounded Front, Double Front Strap; (3), (4) Unidentified

Provenance 197-5

Date ?

Measurements (1) l: 260; w heel: 175; w waist: 65.8; w front: 110.2; t: 3.4; w back strap: 10.1; (2) l: 265; w heel: 165; w waist: 64.4; w front: 98.3; t: 3.5; w back strap: 10.2; (3) l: 28.2-173; w vary from 5.3-15; (4) 8 fragments, among which front part: l: 133.5; w: 72.2; t: 2.1; pre-strap: 44.9 x 63.3

Colour (1), (2) & (4) White, light brown to brown; (3) Dark brown

Remarks Several featureless scraps are not described or photographed.

Description

(1) & (2) A pair of sandals, which are largely complete save for the straps (possibly the fragments described as (3)). One has only the attachment area of the back and heel strap *in situ* but the other has still a heel strap preserved. This strap is tied into a reef knot, which might have been intentionally designed or simply a re-

pair. Note the repair of a crack in the edge of one of the sandals, done with stitches of leather thong (arrow).

(3) Pieces of strap, but it is not clear if they belong to the pair of sandals (1) & (2) or with the fragments described with (4). The end of one fragment is decoratively cut into a serrated edge.

(4) Eight fragments among which are a front part with a fragment of strap stuck to it and the terminal end of a triangular pre-strap. Another fragment has a piece of coarse cloth attached to it, possibly intentionally. One of the larger pieces shows vaguely impressed motifs in a row along one broken edge (arrow), nearly at a right angle to the original, intact edge, but it is too unclear to describe in more detail.

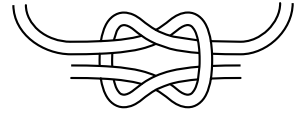
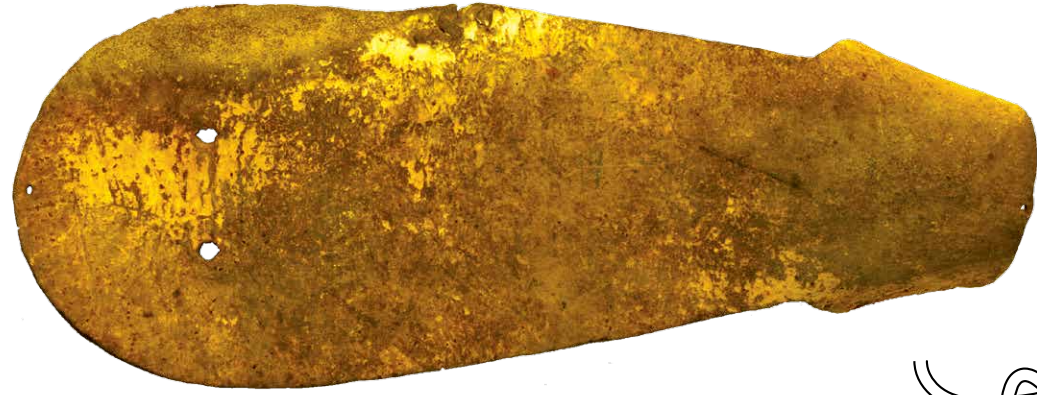


973.24.3329.3. Strap fragments.

1



2



973.24.3329.1, 2. Pair of sandals. Dorsal and ventral view (with a diagram of the reefknot).



973.24.3329.4. Various fragments of a sole (including a pre-strap with remnants of the back strap attachment).



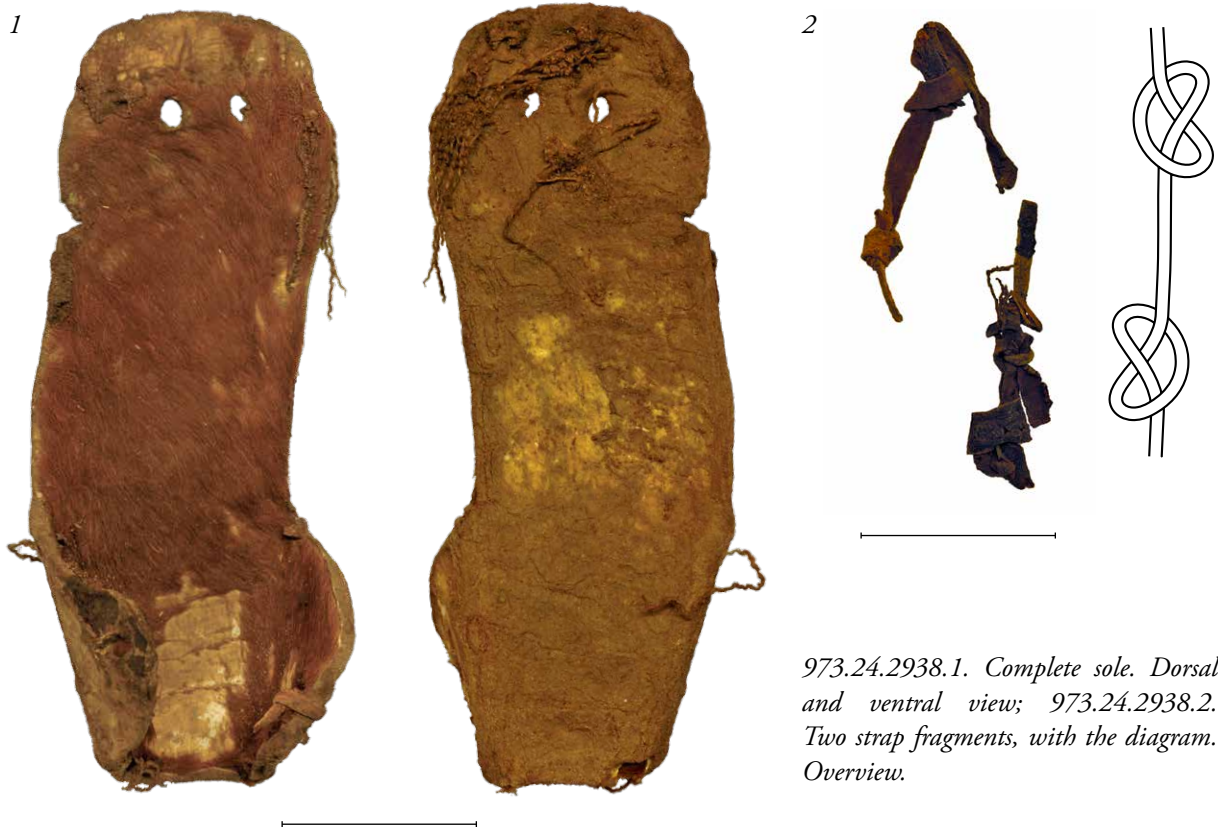
CATALOGUE NUMBER 21

<i>ROM Registration: Number</i>	973.24.2938.1, 2
<i>Excavation/Field Number</i>	64:2:14
<i>Object</i>	Sandal and strap fragments
<i>Type</i>	(1) Classic Nubian Type I, Variant B(?), Double Front Strap; (2) Un-identified
<i>Provenance</i>	Cemetery 3, Tomb 803
<i>Date</i>	?
<i>Measurements</i>	(1) l: 192; w heel: 154; w waist: 62.3; w front: 66.8; t: 3.3; (2) 19.4 x 74.2 & 38.7 x 78
<i>Colour</i>	Brown with red-brown hair
<i>Remarks</i>	Tomb Card 3

Description

(1) A nearly complete sandal, with a fairly thick sole. The width of the sole remains equal in width from the start of the pre-strap to the front. The shape and size of the pre-strap extension suggests a type between Variant A & B. One attachment area of the back (and heel?) strap to the pre-strap is still *in situ*. The dorsal surface has a thick cover of hair, which has worn off at the heel. Strings of flax(?) are attached on the dorsal and ventral surfaces (especially on the latter) the function of which is unclear.

(2) Two strap fragments. One is a strip of leather that is knotted twice (both overhand knots). The other piece might be part of the attachment area of the back strap to the front strap, but since it is a messy fragment, its identification is uncertain.



973.24.2938.1. Complete sole. Dorsal and ventral view; 973.24.2938.2. Two strap fragments, with the diagram. Overview.

CATALOGUE NUMBER 22

ROM Registration: Number 973.24.2011.1, 2

Excavation/Field Number 63:12:55

Object Two incomplete soles

Type Classic Nubian Type I, Variant B

Provenance Cemetery 3, Tomb 515

Date Late or Post-Meroitic (c. 350-650 AD)

Measurements (1) l: 215; w heel: 150; w waist: 58.3; w front: 19.4; t: 3.3; w back strap: 10.4 - 13.6; (2) l: 256; w heel: 162; w waist: 54.1; w front: 74.4; t: 3.1; w back strap: 9.2

Colour (1) Light brown; (2) Dark brown

Remarks Tomb Card 1. The sandals are too different to be a pair.

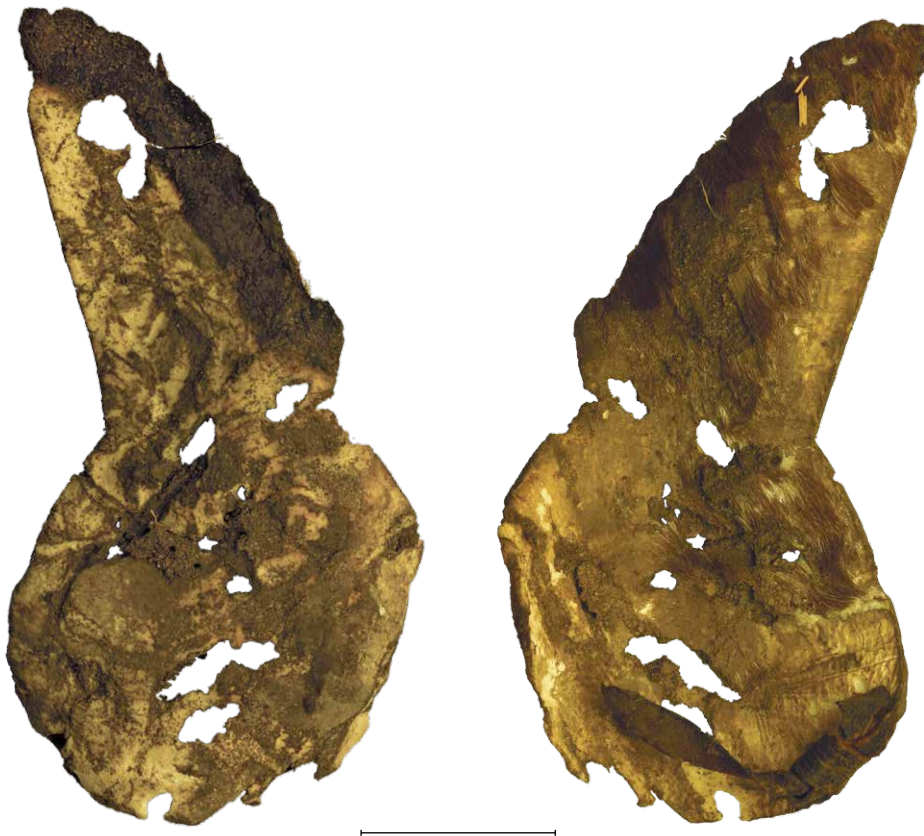
Description

(1) A partially preserved sandal, with the front torn off. The holes in the sole are due to deterioration.

The torn edge clearly shows the decay of the leather and is turned into a black mass. The large, rounded heel part has more rounded extensions (rather than strictly triangular) with large holes to receive the dark brown back- and heel straps. The dorsal surface still has large patches of hair.

(2) A partially preserved sandal, lacking half of its length (the edge of which suggests that this is caused by deterioration). The pre-straps have large, tear-shaped holes for the reception of the heel- and back straps. From the start of the pre-strap extensions and continuing forwards, the width of the sole only slightly decreases, ending in a rounded front. Several millimetres inwards from the edge, is an incised line, which also follows the edge of the pre-strap, rather than going straight onwards towards the heel's edge, as is usually seen.

1



973.24.2011.1. An incomplete sole. Dorsal and ventral view.

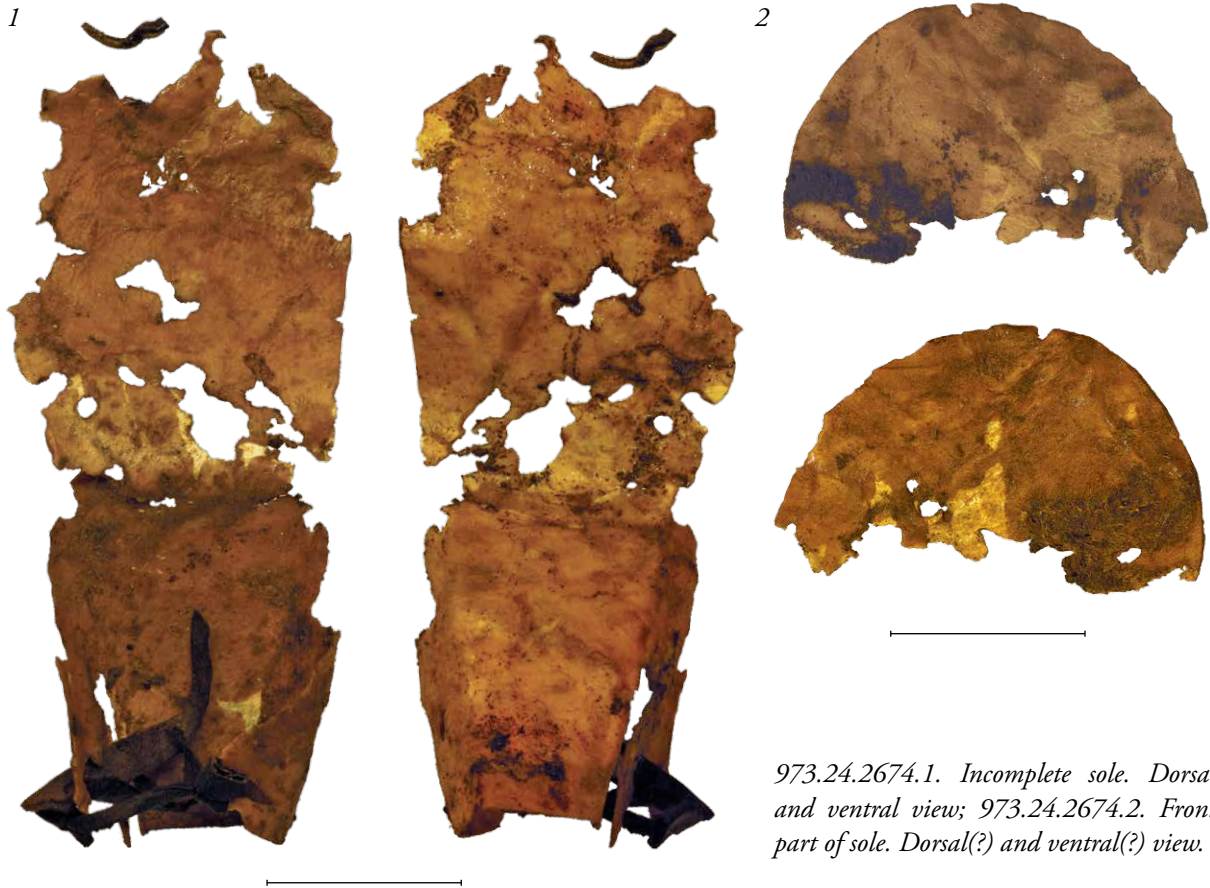
2



973.24.2011.2. An incomplete sole. Dorsal and ventral view.

CATALOGUE NUMBER 23

<i>ROM Registration: Number</i>	973.24.2674.1, 2	<i>Colour</i>	Light and dark brown
<i>Excavation/Field Number</i>	63:3:244	<i>Remarks</i>	Tomb Card 6
<i>Object</i>	Incomplete sole	<i>Description</i>	
<i>Type</i>	Classic Nubian Type I, Variant B		Part of a sandal: fragments (1) and (2) fit together, but still the sandal is incomplete, lacking parts of the edges. It also has big holes in the centre of the sole. The heel strap is, however, largely intact, including the standard way of attachment to the pre-strap (which even is fully intact at one side). The strap suggests the regular type but further division is not possible as the rest of the straps are not preserved.
<i>Provenance</i>	Cemetery 3, Tomb 86		
<i>Date</i>	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)		
<i>Measurements</i>	(1) l: 220; w heel: 160; w waist: appr. 90; w front: appr. 81.6; t: 1.4; (2) l: 68.6; w: 107.7; t: 1.5		
<i>Material</i>	Rawhide and leather		



973.24.2674.1. Incomplete sole. Dorsal and ventral view; 973.24.2674.2. Front part of sole. Dorsal(?) and ventral(?) view.

CATALOGUE NUMBER 24

<i>ROM Registration: Number</i>	973.24.2678.1, 2	56.2; w front: 93.9; t: 1.8; w back- and heel strap: 6.3-19
<i>Excavation/Field Number</i>	63:4:37	
<i>Object</i>	Pair of sandals	<i>Colour</i> Brown and dark brown
<i>Type</i>	Classic Nubian Type I, Variant B	<i>Remarks</i> Tomb Card 10
<i>Provenance</i>	Cemetery 3, Tomb 338	<i>Description</i>
<i>Date</i>	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	A pair of sandals, of which the right one is complete; the left sandal is only partially preserved, lacking the front part as well as parts of the heel. The overall curvature of the sole is striking; the sole itself would have been straight without the curvature. The dark brown straps, terminating in rounded ends, are of Regular Type I.
<i>Measurements</i>	(1) l: 235; w heel: appr. 152; w waist: 56.6; w front: 82.2; t: 1.9; w back strap: 8.3-14.3; w front strap: 3.1; (2) l: 245; w heel: 150; w waist:	

1



2



973.24.2678.1, 2. Pair of sandals. Dorsal and ventral view.

CATALOGUE NUMBER 25

<i>ROM Registration: Number</i>	973.24.2679.1, 2
<i>Excavation/Field Number</i>	63:4:323
<i>Object</i>	Soles and strap fragments
<i>Type</i>	Classic Nubian Type I, Variant B
<i>Provenance</i>	Cemetery 3, Tomb 281
<i>Date</i>	?
<i>Measurements</i>	(1) l: 263; w heel: 174; w waist: 69.2; w front: 99.1; t: 3; (2) w: 10.5; t: 1.1; w front: 7.7
<i>Colour</i>	Greyish beige brown, red-brown straps
<i>Remarks</i>	Tomb Card 4
<i>Description</i>	(1) A sandal with a single, fairly thick sole. The sandal is nearly complete except for two small holes, one at the

front and one at the heel, which are due to post-depositional processes. The straps, however, are not preserved *in situ*, except for a small fragment of front strap. The dorsal surface of the sole is enhanced with two incised lines along the edge (2.7-5.3 mm inwards from the edge), continuing straight towards the edge of the heel rather than following the edge of the pre-straps. Three parallel lines are incised lengthwise down the centre. The decoration is rather coarse: there are two clear lines at one edge, but several less clearly defined lines at the other. The larger part of the sole's surface is still covered with white hair with several black spots.

(2) Three fragments of straps, including the attachment area of the back strap to the front strap, indicating the Regular Type I straps.

1



2



973.24.2679.1. A complete sole. Dorsal and ventral view; 973.24.2674.2. Attachment area of the back strap to the front strap. Recto and verso.

CATALOGUE NUMBER 26

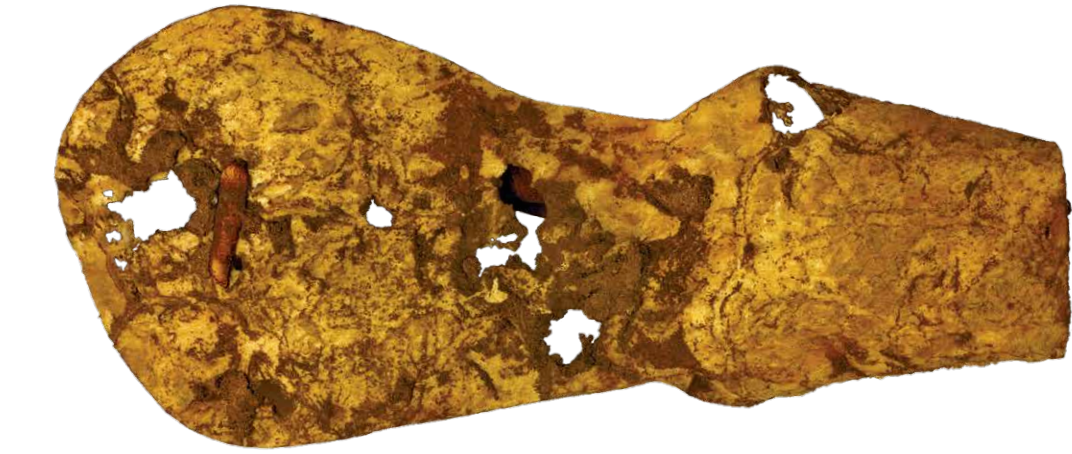
<i>ROM Registration: Number</i>	973.24.3224.1, 2	<i>Description</i>
<i>Excavation/Field Number</i>	63:3:269	A pair of complete sandals – though both soles have holes due to post-depositional processes. The straps (Regular Type III) are complete, but the heel strap is missing in one sandal. A band of horizontal, stamped motifs (best described as three squares in a row) follows the edge of each sandal; it is deeply impressed. This band is flanked by a set of two parallel, impressed lines. The decoration runs straight to the heel's edge rather than following the edge of the pre-strap. Inside this edge decoration are the same bands with square motifs, but orientated horizontally; each band is divided by a set of two transverse impressed lines. The junction of the back strap to the front strap is obscured by a long extension of one of the back straps. The end of the extension is rounded.
<i>Object</i>	Pair of sandals	
<i>Type</i>	Classic Nubian Type I, Variant B	
<i>Provenance</i>	Cemetery 3, Tomb 120	
<i>Date</i>	?	
<i>Measurements</i>	(1) l: 280; w heel: 173; w waist: 72; w front: 115.7; t: 3.2; w back strap: 17.5; w front strap: 7.5; (2) l: 278; w heel: 180; w waist: 69.8; w front: 116.6; t: 3.7; w back strap: 15-27.5; w front strap: 7.5	
<i>Colour</i>	White to light brown with red straps	

CATALOGUE NUMBER 27

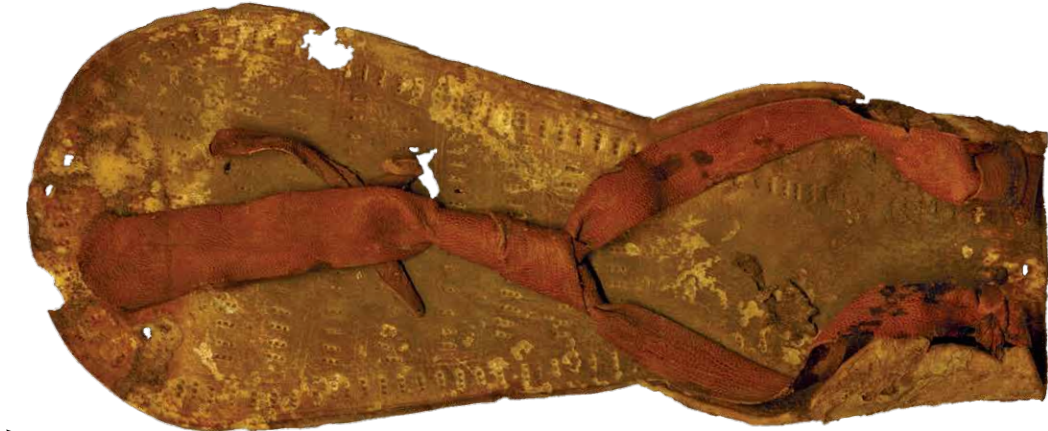
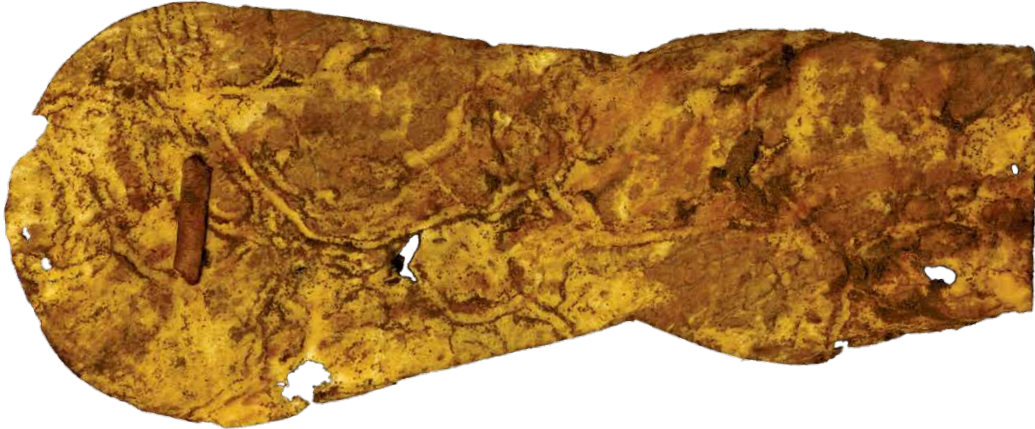
<i>ROM Registration: Number</i>	973.24.2753	<i>Remarks</i>	Fill of the tomb
<i>Excavation/Field Number</i>	63:3:370	<i>Description</i>	
<i>Object</i>	Incomplete sole	A largely complete sandal, but missing part of the front. One piece of the front edge is detached, but still present. Nothing remains of the straps. Note the small waist, and very large pre-strap extensions, which are pierced with tear-shaped holes. The dorsal surface is still covered with hair.	
<i>Type</i>	Classic Nubian Type I, Variant B		
<i>Provenance</i>	Cemetery 3, Tomb 46		
<i>Date</i>	Late Meroitic? (c. 350-400 AD)		
<i>Measurements</i>	l: 265; w heel: 156; w waist: 55.2*; w front: 89.3; t: 2.3		
<i>Colour</i>	Brown		

CATALOGUE NUMBER 28

<i>ROM Registration: Number</i>	973.24.2682.1-3	<i>Colour</i>	(1) Dark brown; (2) Light brown; (3) Dark brown
<i>Excavation/Field Number</i>	63:4:352	<i>Remarks</i>	The extreme differences in colour between (1) and (2) as well as in the construction suggests the two are not a pair. Tomb Card 4.
<i>Object</i>	Sandals and strap fragments	<i>Description</i>	
<i>Type</i>	(1) Classic Nubian Type I, Variant B; (2) & (3) Unidentified	(1) A complete and largely intact sandal, save for some small holes (especially in the front half of the sole), a break in one back strap and the loss of the other. Note the crack to the front edge from one of the holes for the reception of the front strap. The sandal has Regular Type III straps, but the front strap consists of a lengthwise folded strip of leather.	
<i>Provenance</i>	Cemetery 3, Tomb 343		
<i>Date</i>	Late Meroitic (c. 350-400 AD)		
<i>Measurements</i>	(1) l: 267; w heel: 168; w waist: 65.6; w front: 102.9; t: 1.6; w back/heel strap: 7.4; w front strap: 5.8; t front strap: 2.3; (2) l: 145; w: 104.9; t: 1.6; (3) 7.2 x 40.6 & l: appr. 125		



2



1



973.24.3224.1, 2. Pair of sandals. Dorsal and ventral view.



973.24.2753. A nearly complete sole. Dorsal and ventral view.

(2) The front part of a sandal. Too little is preserved to identify the type. Only the double front strap is intact and *in situ* – including the attachment area with the back strap. It suggests a Regular Type III strap complex. The strap consists of a single-layer strip of leather, in contrast to the lengthwise folded leather in fragment (1). The front strap fits tightly in the tiny slits in the sole through which it is pulled – this is

exceptional: usually the holes are much larger than the straps. Along the edge is a row of stamped decoration, consisting of a rectangle with a triangular notch directed inwards in the middle. Vaguely visible and not along the entire edge are two impressed lines that flank the band of impressed motifs.

(3) Two pieces of strap. One has two overhand knots, and might be part of the straps of fragment (2).

CATALOGUE NUMBER 29

ROM Registration: Number 973.24.2685
Excavation/Field Number 63:12:120
Object Incomplete sandal
Type Classic Nubian Type I, Variant B
Provenance Cemetery 3, Tomb 449
Date Late to Post-Meroitic continuum
 (Late Meriotic is c. 350-400 AD)
Measurements l: appr. 290; w heel: 170; w waist: 64.4; w front: not measured; t: 1.6; w back/heel strap: 7.7-18.0

Colour Dark brown
Remarks Tomb Card 4

Description

An incomplete sandal, which lacks the larger (lengthwise) part of the front half, as well as one of the pre-straps. The other pre-strap is torn off but still attached to the straps. The triangular holes in the pre-strap for the reception of the back- and heel strap are neatly cut. The Regular Type III red-brown straps are largely complete.



973.24.2682.1. A nearly complete sandal. Dorsal and ventral view; 973.24.2674.2. Front part of a sole. Dorsal and ventral view; 973.24.2674.3. Two fragments of strap. Overview (with below the diagram of the knots).



973.24.2685. An incomplete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 30

<i>ROM Registration: Number</i>	973.24.2686.1-3	<i>Remarks</i>	Tomb Card 3
<i>Excavation/Field Number</i>	64:2:20	<i>Description</i>	
<i>Object</i>	Pair of sandals and strap fragments	(1) & (2)	A well made pair of sandals, both of which are nearly complete, only lacking the terminal ends of the pre-strap extensions. One is missing parts of the front as well. On one of the sandals are still remnants of the front strap <i>in situ</i> in the narrow slits. The dorsal surface has incised line decoration along the edge (extending straight towards the edge of the heel rather than following the edge of the pre-straps) as well as two parallel lines running lengthwise down the centre.
<i>Type</i>	Classic Nubian Type I, Variant B	(3)	Four small fragments of straps, two of which are the attachment areas with the pre-strap.
<i>Provenance</i>	Cemetery 3, Tomb 726		
<i>Date</i>	Late Meroitic (c. 350-400 AD)		
<i>Measurements</i>	(1) l: 300; w heel: 145; w waist: 67; w front: 108.8; t: 2.6; (2) l: 320; w heel: 145; w waist: 69.5; w front: 110.7; t: 3.2; w front strap: 5.6; t front strap: 3; (3) 18.6 x 29.2 x 8 & 19.5 x 30.5 x 8.4. Straps: 19.7 x 25.5		
<i>Colour</i>	Dark brown		



1

2

3

973.24.2686.1, 2. Pair of sandals. Dorsal and ventral view; 973.24.2686.3. Strap fragments. Overview.

CATALOGUE NUMBER 31

<i>ROM Registration: Number</i>	973.24.2691.1, 2
<i>Excavation/Field Number</i>	63:12:93
<i>Object</i>	Pair of sandals
<i>Type</i>	Classic Nubian Type I, Variant B
<i>Provenance</i>	Cemetery 3, Tomb 428
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	(1) l: 260; w heel: 173; w waist: 63.8; w front: 95.9; t: 3; (2) l: 255; w heel: 132.5; w waist: 66.6; w front: 94.3; t: 3.9
<i>Colour</i>	Dark brown
<i>Remarks</i>	Tomb Card 3
<i>Description</i>	A pair of nearly complete sandals with fairly thick soles. The left (based on the slight overall lengthwise

curvature) sandal (2), lacks part of both pre-straps, but one of them is still mostly present. The medial edge is damaged at two spots; minor damage occurs at the opposite edge. The anterolateral edge of the right sandal is damaged as well. The pre-straps are intact, with remnants of the back- and heel strap *in situ*. Both sandals show a high degree of wear and have big repair patches that are secured with leather thong running stitches. In the left sandal, this patch is situated distinctly more towards the front; in the right sandal, the patch is added to the middle of the length. The dorsal surface shows decoration, most of which has worn off. Transverse impressed lines that separate bands of vertically orientated zigzag motifs are visible. It is not clear if there was additional decoration.

CATALOGUE NUMBER 32

<i>ROM Registration: Number</i>	973.24.2692.1, 2
<i>Excavation/Field Number</i>	63:12:146
<i>Object</i>	Pair of sandals
<i>Type</i>	Classic Nubian Type I, Variant B
<i>Provenance</i>	Cemetery 3, Tomb 446
<i>Date</i>	Post-Meroitic? (c. 400-650 AD)
<i>Measurements</i>	(1) l: appr. 285; w heel: 145; w waist: 75.3; w front: 106.5; t: 2.2; w strap: 10.3; (2) l: appr. 330; w heel: not measured; w waist (slightly anterior to waist): appr. 80.8; w front: appr. 105; t: 1.6
<i>Colour</i>	Brown, dark brown straps
<i>Remarks</i>	Tomb Card 2

Description
A pair of sandals that are largely complete, but crumpled. Due to the slight lengthwise overall curvature, distinction can be made between the left and right sandal. The right sandal has a large tear in the front part and several small holes in the sole; the left one lacks one of the pre-straps. The right sandal still has the mostly-complete straps *in situ*; the left sandal, however, only has the attachment area of the back- and heel strap to the pre-strap *in situ*. The attachment area of the back strap to the front strap is detached but present: it has not been numbered separately. The straps are Regular Type I. Note the decorative way of securing the looped back strap. The dorsal surface is enhanced with transverse bands of incised(?) zigzag motifs within a band of comparable motifs along the edge (the motifs in this band are orientated horizontally).



973.24.2691.1, 2. Pair of sandals. Dorsal and ventral view.

1



2



973.24.2692.1, 2. Largely complete pair of sandals. Dorsal and ventral view, with the isolated attachment area of the back strap with the front strap in overview.

CATALOGUE NUMBER 33

<i>ROM Registration: Number</i>	973.24.2697.1, 2	<i>Remarks</i>	Tomb Card 6
<i>Excavation/Field Number</i>	63:4:182	<i>Description</i>	
<i>Object</i>	Sole and fragments of straps	(1) An incomplete and much crumpled sandal with a thin sole. One pre-strap is detached but still present, as are several parts of the rest of the straps.	
<i>Type</i>	Classic Nubian Type I, Variant B	(2) Several fragments of the straps of another sandal, including the terminal end of the pre-strap with the attachment area of the back- and heel strap as well as the attachment area of the back strap with the front strap. The straps are Regular Type I.	
<i>Provenance</i>	Cemetery 3, Tomb 402		
<i>Date</i>	Late Meroitic (c. 350-400 AD)		
<i>Measurements</i>	(1) l: 265; w heel: 155; w waist: 67; w front: 93; t: 2.2-3.4; w back strap: 12.9; (2) 32.5 x 7.5 x 66.8; 16.8 x x 83.3; 50.2 x 74.8 x 24.9		
<i>Colour</i>	Brown		

1



2



973.24.2697.1. An incomplete sole. Dorsal and ventral view, with the isolated fragments of the straps; 973.24.2697.2. Fragments of straps. Overview.

CATALOGUE NUMBER 34

ROM Registration: Number 973.24.2700.1-4
Excavation/Field Number 63:2:174
Object Pair of incomplete sandals
Type Classic Nubian Type I, Variant B
Provenance Cemetery 1, Tomb 53
Date Post-Meroitic (c. 400-650 AD)
Measurements (1) l: 165; w heel: 173; w waist: 73; t: 3.1; w heel strap: 10.1; w back strap: 13.4-20; 1 two fragments: 95.3 & 111.3; (2) l: 188; w heel: 155; w waist: 75; t: 3.1; (3) l: 120; w oval: 56.1; w strips: 15.2-18.9; (4) l: 120; w oval: 56.1; w strips: 13.7-16.5; isolated fragments: 12.8 x 13.8; 23.9 x 31.5

Colour Dark brown, black

Description

(1) & (2) Parts of two sandal soles. Both lack the front part. Fragment (1) still has the heel strap *in situ* (which is folded lengthwise). In fragment (2) only the back- and heel strap attachment area to the pre-strap remains *in situ*.

(3) & (4) The attachment area of the back strap with the front strap. It is covered with an oval element, which has two parallel impressed lines as decoration extending lengthwise down the centre. The construction of the front strap remains uncertain because this part of the sole is not preserved.



973.24.2700.1. Incomplete sole. Dorsal and ventral view; 973.24.2700.2. Attachment area of the back strap with the front strap. Obverse and reverse.

2



4



973.24.2700.3. Incomplete sole. Dorsal and ventral view; 973.24.2700.4. Attachment area of the back strap with the front strap. Obverse and reverse.

CATALOGUE NUMBER 35

<i>ROM Registration: Number</i>	973.24.2702	<i>Colour</i>	Beige white
<i>Excavation/Field Number</i>	63:3:122	<i>Remarks</i>	Tomb Card 6
<i>Object</i>	Sole	<i>Description</i>	
<i>Type</i>	Classic Nubian Type I, Variant B		A largely complete sandal, which lacks most of the straps. Only the heel strap and one attachment area to the pre-strap (the strap is folded lengthwise) are present. The sole has several small holes, caused by post-depositional processes.
<i>Provenance</i>	Cemetery 3, Tomb 24		
<i>Date</i>	Post-Meroitic (c. 400-650 AD)		
<i>Measurements</i>	l: 270; w heel: 145; w waist: 63.8; w front: 109.3; t: 2.5; w strap: 10.5		

CATALOGUE NUMBER 36

<i>ROM Registration: Number</i>	973.24.2754	<i>Colour</i>	Light brown, beige
<i>Excavation/Field Number</i>	63:4:110	<i>Remarks</i>	Tomb Card 6
<i>Object</i>	Sole	<i>Description</i>	
<i>Type</i>	Classic Nubian Type I, Variant B		A near complete sandal, which lacks a significant portion of the straps. The attachment areas of the heel- and back straps to the pre-straps, however, are still <i>in situ</i> .
<i>Provenance</i>	Cemetery 3, Tomb 370		
<i>Date</i>	Post-Meroitic (c. 400-650 AD)		
<i>Measurements</i>	l: 274; w heel: 150; w waist: 74.1; w front: 119.3; t: 2.7; w strap: 10-11.5		



973.24.2702. *A nearly complete sandal. Dorsal and ventral view.*



973.24.2754. *A complete sole. Dorsal and ventral view.*

CATALOGUE NUMBER 37

<i>ROM Registration: Number</i>	973.24.2756.1, 2		62.4; w front: 96.4; t: 2.2; w back strap: 7.4-19; w front strap: 6.1
<i>Excavation/Field Number</i>	63:4:120		
<i>Object</i>	Pair of sandals	<i>Colour</i>	Beige white, dark brown/black
<i>Type</i>	Classic Nubian Type I, Variant B	<i>Remarks</i>	Tomb Card 4
<i>Provenance</i>	Cemetery 3, Tomb 354	<i>Description</i>	
<i>Date</i>	Late or Post-Meroitic (c. 350-650 AD)		A pair of sandals, which are nearly complete. The sole is relatively thin. Note the long double front strap of the Regular Type II straps. One terminal end of the attachment of the back strap to the front strap is decoratively cut out. A curious feature is the isolated stitch at the front. There is no explanation for its presence.
<i>Measurements</i>	(1) l: 257; w heel: appr. 155; w waist: 63.2; w front: 98.8; t: 1.7; w back strap: 9.1-14.7; w front strap 6.8; (2) l: 240; w heel: 160; w waist:		

CATALOGUE NUMBER 38

<i>ROM Registration: Number</i>	973.24.2757	<i>Description</i>	
<i>Excavation/Field Number</i>	64:1:104		A complete sandal. The sole is roughly cut out of a sheet of leather, resulting in an a-symmetrical shape. This, however, was probably unintentional and thus the sole was not meant to be swayed. The waist is relatively narrow. The back straps run to the two holes in the front, through which they were pulled and secured with an overhand knot (rather than having a front strap that is made of a separate piece). The left strap is hitched to the right one and probably comprised the right front strap, but is now broken off. This is an extraordinary strap complex and is a repair rather than an original construction.
<i>Object</i>	Sandal		
<i>Type</i>	Classic Nubian Type I, Variant B		
<i>Provenance</i>	Cemetery 3, Tomb 719		
<i>Date</i>	Early Post-Meroitic? (Post-Meroitic: c. 400-650 AD)		
<i>Measurements</i>	l: 250; w heel: 135; w waist: 55.2; w front: 114; t: 1.5; w straps: 6.2-7.5		
<i>Colour</i>	Light brown, brown		
<i>Remarks</i>	Tomb Card 1		

CATALOGUE NUMBER 39

<i>ROM Registration: Number</i>	973.24.2760	<i>Measurements</i>	l: 270; w heel: 180; w waist: appr. 105.1; w front: 126.5; w back strap: 18; w front strap: 5.2
<i>Excavation/Field Number</i>	64:1:169	<i>Colour</i>	Light brown
<i>Object</i>	Sandal	<i>Remarks</i>	Tomb Card 8
<i>Type</i>	Classic Nubian Type I, Variant B	<i>Description</i>	
<i>Provenance</i>	Cemetery 3, Tomb 721		Complete but crumpled sandal, with Regular Type I strap complex.
<i>Date</i>	Late Post-Meroitic (Post-Meroitic: c. 400-650 AD)		



973.24.2756.1, 2. Pair of sandals. Dorsal and ventral view.



973.24.2757. A complete sandal. Dorsal and ventral view. Note the alternative straps.



973.24.2760. A complete but crumpled sandal. Dorsal and ventral view.

CATALOGUE NUMBER 40

<i>ROM Registration: Number</i>	973.24.2761.1, 2	<i>Remarks</i>	Tomb Card 12
<i>Excavation/Field Number</i>	64:1:233	<i>Description</i>	
<i>Object</i>	Pair of sandals		A pair of sandals, slightly crumpled, that lacks a large part of the strap complex. However, all attachment areas of the back- and heel straps to the pre-straps are still present; only one is detached. One of the sandals is especially damaged, showing a large hole in the back half. Moreover, two fragments have become detached from the heel. The other sandal only lacks a small fragment of the edge of the heel. Note the large pre-strap extensions, which starts approximately halfway through the length of the sandal.
<i>Type</i>	Classic Nubian Type I, Variant B		
<i>Provenance</i>	Cemetery 1, Tomb 184		
<i>Date</i>	Post-Meroitic? (c. 400-650 AD)		
<i>Measurements</i>	(1) l: 250; w heel: 100; w waist: 73.8; w front: 111.6; t: 1.7; w back strap: 15.2; w front strap: 6; (2) l: 245; w heel: 150; w waist: 70.9; w front: 108.5; t: 2.2; w back strap: 19; w front strap: 7.2		
<i>Colour</i>	Light brown, dark brown straps		

CATALOGUE NUMBER 41

<i>ROM Registration: Number</i>	973.24.2949.1, 2	<i>Description</i>	
<i>Excavation/Field Number</i>	-		One largely complete sandal, which lacks only part of the heel and one back strap (and with several holes in the sole) and a far less complete one, lacking the front part, one pre-strap and the majority of the straps. The dorsal surface of each sole is enhanced along the edge with two parallel, incised lines. Three parallel, incised lines run lengthwise down the centre. None of the decoration seems to extend onto the heel. The heel strap of the Regular Type I strap is made with the slit/pull technique and must have been a separate addition.
<i>Object</i>	Pair of incomplete sandals		
<i>Type</i>	Classic Nubian Type I, Variant B		
<i>Provenance</i>	?		
<i>Date</i>	?		
<i>Measurements</i>	(1) l: 270; w heel: appr. 10.5; w waist: 61.1; w front: appr. 103; t: 2.3; w strap: 9.2-17.3; (2) l: 194; w heel: 66; w waist: 70; w front: 97.3; t: 2.2; w strap: 12.6		
<i>Colour</i>	Brown, dark brown straps		
<i>Remarks</i>	Several featureless scraps are not described or photographed.		

CATALOGUE NUMBER 42

<i>ROM Registration: Number</i>	973.24.2951.1, 2	<i>Colour</i>	Brown
<i>Excavation/Field Number</i>	-	<i>Description</i>	
<i>Object</i>	Sole and fragments of the straps		(1) A largely complete, but slightly crumpled sandal with fairly thin sole. Nothing remains of the straps. At one side, the front edge is damaged.
<i>Type</i>	Classic Nubian Type I, Variant B		(2) A piece of strap (of fragment (1)?) and two wider strips of leather to which two narrower strips are secured by means of the slit/pull technique.
<i>Provenance</i>	?		
<i>Date</i>	?		
<i>Measurements</i>	(1) l: 255; w heel: 155; w waist: 73.6; w front: 120; t: 1.7; (2) 22.8 x 48.8; w strap: 12.6		

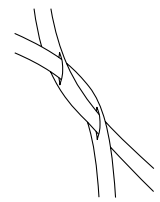
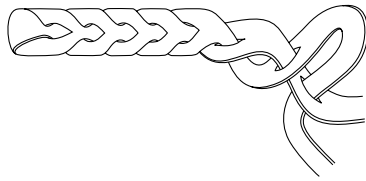


973.24.2761.1, 2. Pair of incomplete sandals. Dorsal and ventral view.

1



2

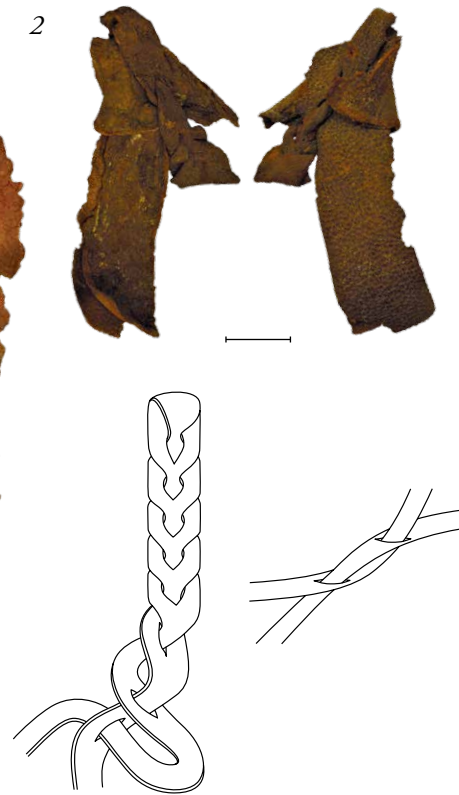


973.24.2949.1, 2. Pair of sandals. Dorsal and ventral view. The diagram shows the slit/pull technique of the beel strap (arrow).

1



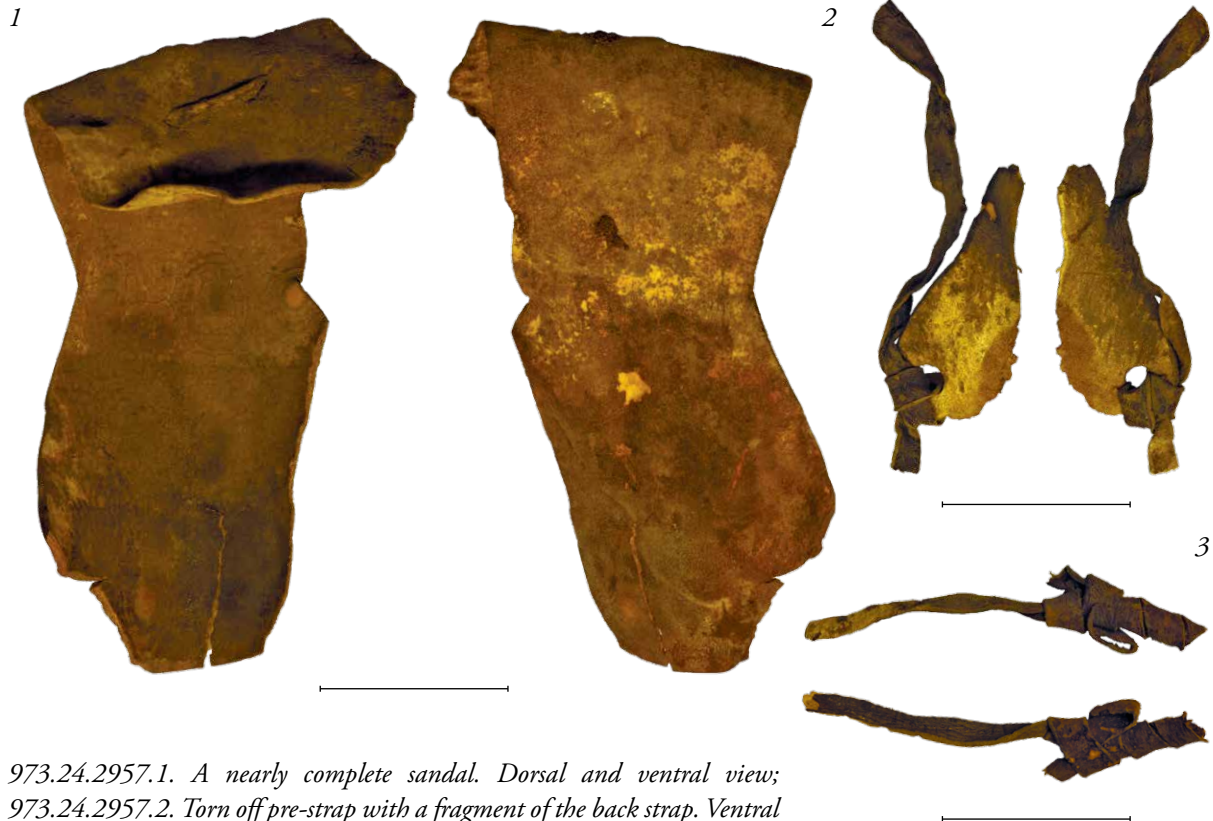
2



973.24.2951.1. Near-complete sandal. Dorsal and ventral view; 973.24.2951.2. Fragment of the straps, with the diagram of the slit/pull technique. Scale bar is 10 mm.

CATALOGUE NUMBER 43

<i>ROM Registration: Number</i>	973.24.2957.1-3	<i>Colour</i>	Light brown, brown
<i>Excavation/Field Number</i>	-	<i>Description</i>	
<i>Object</i>	Sole and fragments of the straps	(1) An incomplete sandal, missing both pre-straps. The ventral element of the double front strap is still <i>in situ</i> .	
<i>Type</i>	Classic Nubian Type I, Variant B	(2) A right pre-strap with the attachment of the back-and heel strap.	
<i>Provenance</i>	?	(3) An attachment area of the back strap to the front strap (Regular Type I?).	
<i>Date</i>	?		
<i>Measurements</i>	(1) l: 253; w heel: 85; w waist: 60.4; w front: 91.4; t: 3.1; w front strap: 5.1; (2) l: 76; w: 23.7-31.5; t: 2.1; w strap: 9.4; (3) l: 103.3; w: 18.3; t: 11; w strap: 8.3		



973.24.2957.1. A nearly complete sandal. Dorsal and ventral view;
 973.24.2957.2. Torn off pre-strap with a fragment of the back strap. Ventral
 and dorsal view; 973.24.2957.3. Fragment of strap. Obverse and reverse.

CATALOGUE NUMBER 44

<i>ROM Registration: Number</i>	973.24.2958	of back- and front strap: l: 69.8; d:
<i>Excavation/Field Number</i>	-	11.9 x 14.3
<i>Object</i>	Sandal	<i>Colour</i> Light brown
<i>Type</i>	Classic Nubian Type I, Variant B	<i>Description</i>
<i>Provenance</i>	?	A largely complete sandal, but with several holes in the sole, due to post-depositional processes. The sandal is folded in the middle. The attachment area of the back strap to the front strap is detached, but present. The straps are Regular Type I.
<i>Date</i>	?	
<i>Measurements</i>	l: 273; w heel: 165; w waist: 70.6; w front: 107.5; t: 2.1; w straps: 6.9-11; detached attachment area	

CATALOGUE NUMBER 45

<i>ROM Registration: Number</i>	973.24.2959	<i>Colour</i> Light brown
<i>Excavation/Field Number</i>	-	<i>Description</i>
<i>Object</i>	Sandal and (strap) fragments	A near complete sandal, but missing a significant portion of the straps. Note the rather angular edge of the sole. The attachments of the back- and heel straps to the pre-straps are still <i>in situ</i> . The intact double front strap indicates Regular Type III straps.
<i>Type</i>	Classic Nubian Type I, Variant B	
<i>Provenance</i>	?	
<i>Date</i>	?	
<i>Measurements</i>	l: 263; w heel: 163; w waist: 75.4; w front: 102.9; t: 2.5; w front strap: 5.2	



973.24.2958. A nearly complete sandal, with isolated attachment area of the back and front strap. Dorsal and ventral view.



973.24.2959. A nearly complete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 46

ROM Registration: Number 973.24.2972
Excavation/Field Number -
Object Sole
Type Classic Nubian Type I, Variant B
Provenance ?
Date ?
Measurements l: 265; w heel: 160; w waist: appr. 73.3; w front: 125; t: 1.3
Colour Brown

Description

The thin sole of a sandal with a crumpled front. A short tear is visible about halfway through the length. One pre-strap is incomplete. The other, however, is intact, showing a crescent-shaped slit for the attachment of the back- and heel strap.

Right: 973.24.2972. A nearly complete sandal. Dorsal and ventral view.



CATALOGUE NUMBER 47

ROM Registration: Number 973.24.3262
Excavation/Field Number -
Object Sole fragment
Type Classic Nubian Type I, Variant B
Provenance Cemetery 3, Tomb 629
Date ?
Measurements l: 165*; w heel: 175; w waist: 77.2; w front: 100; t sole: 3.5; w straps: 11.1
Colour White, brown, dark brown straps

Remarks Tomb Card 5. According to the label, it is one of a pair, but the other one was not with it.

Description

Back part of a sandal (approximately three quarters of the total length). The dorsal surface is enhanced with an incised line at the edge, which follows the edge of the pre-strap rather than running straight to the heel's edge as is more regularly seen. The Regular Type III straps are largely intact, but missing the front strap.



973.24.3262. An incomplete sandal, missing the front part. Dorsal and ventral view.

CATALOGUE NUMBER 48

<i>ROM Registration: Number</i>	973.24.3373
<i>Excavation/Field Number</i>	-
<i>Object</i>	Incomplete sandal
<i>Type</i>	Classic Nubian Type I, Variant B(?)
<i>Provenance</i>	Cemetery 3, Tomb 721
<i>Date</i>	?
<i>Measurements</i>	l: 245; w heel: 125; w front: 107.2; t: 2; w back strap: 8.5
<i>Colour</i>	Brown
<i>Remarks</i>	Tomb Card 6

Description

An incomplete sandal, which lacks a large part of the heel, the edges along the centre and the front part due to post-depositional processes. The straps, Regular Type I but without any decoration, are largely complete, although the double front strap is detached. Shortly before the attachment area of the back strap to the front strap, a knot is visible that seems to be a repair of the broken ends. The sole is remarkably thin.



973.24.3373. An incomplete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 49

<i>ROM Registration: Number</i>	973.24.2677.1-5
<i>Excavation/Field Number</i>	63:3:372
<i>Object</i>	Sole and strap fragments
<i>Type</i>	Classic Nubian Type I, Variant B/C
<i>Provenance</i>	Cemetery 3, Tomb 81
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	(1) l: 121; w: 93.5; t: 2.2; w strap: 4.5; t strap: 2.8; (2) l: 112.4; w: 98.3; t: 1.8; (3) knots: 23 x 28.4 x 7.4 & 29.1 x 43.6 x 8.2; (4) l: 56.4; w: 85; t: 1.5; (5) Varies from 46.1 x 58.8 to 46.3 x 102.1
<i>Material</i>	Leather, rawhide
<i>Colour</i>	Light brown, brown
<i>Remarks</i>	Tomb Card 2. Numerous featureless scraps are not described or photographed.

Description

(1) The partial front part of a sandal with double front strap, pieces of which are still *in situ*. Note the light colour of the rawhide front strap, which must have been used for aesthetic reasons. The dorsal surface has stamped motifs, at a fair distance from each other and in transverse rows – though not clear, they might each be two halves of an oval.

(2) The complete front part of a sandal with a double front strap, pieces of which are still *in situ*. The strap is, in contrast to fragment (1), of the same colour as the sole. The sole is relatively thin. A double impressed line is slightly visible along the edge, as well as 2 x 2 transverse lines anterior to the front strap. There is one, possibly two sets of lines posterior to the front strap. Judging from the differences in strap and decoration, fragments (1) and (2) do not belong to the same pair of sandals.

(3) Four fragments of straps, including a fragment of the front strap of fragment (1). Another fragment seems to be the attachment area of the front- and back strap.

(4) A heel piece, lacking the pre-strap extensions, which have been torn off.

(5) Featureless pieces of a sole; at least one fragment has the same kind of stamped decoration as seen in fragment (1).

1



3



2



4



5



973.24.2677.1, 2. Front parts of a pair of sandals. Dorsal and ventral view; 973.24.2677.3. Fragments of the straps. Overview; 973.24.2677.4, 5. Fragments of the soles. Grain and flesh surface respectively.

CATALOGUE NUMBER 50

<i>ROM Registration: Number</i>	973.24.2687.1-3
<i>Excavation/Field Number</i>	63:3:215
<i>Object</i>	Sole fragments
<i>Type</i>	(1) Classic Nubian Type I, Variant B/C; (2) & (3): Unidentified
<i>Provenance</i>	Cemetery 3, Tomb 73
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	(1) l: 140; w heel: 125; w waist: 67.8; w front: 84.7; t: 2.7; (2) l: 92; w: 67.3; t: 1.4; t edge: 2.3; (3) l: 64.1; w: 38.1; t: 1.3; t edge: 2.5
<i>Colour</i>	Dark brown, black
<i>Remarks</i>	Tomb Card 5. The group contains several small scraps that have not been described and photographed.

Description

(1) A heel and waist part of a sandal. The leather is hard, brittle and has blackened. The dorsal surface has stamped zigzag motifs in transverse orientation along the edge; in between the pre-straps the bands

of motifs continue towards the heel's edge rather than following the edge of the pre-strap. Bands of comparable stamped motifs are added in between this edge decoration. These are, however, orientated vertically. (2) and (3) fit together, but do not belong to fragment (1). It is not entirely certain if the fragments belong to a sandal, but if they do, than this sandal differs distinctly from the usual Nubian footwear and is much more comparable to an Egyptian type of sandals (Veldmeijer, 2009b). Fragment (2), irregular in shape with one rounded edge, is featureless, but fragment (3) has an edge binding at one edge. This binding, a bit lighter in colour than the fragment, is a strip of leather that is folded over the edge and secured with leather running stitches. This edge makes a near 90° bend; in its corner is placed a diamond-shaped hole. One side shows in this corner a strip of diagonally placed leather, which is included in the binding. It is secured with running stitches of leather thong. Perhaps its purpose was to reinforce the hole.



973.24.2687.1. Back half of a sandal. Dorsal and ventral view; 973.24.2687.2, 3. Fragments of a different type of sandal(?). Obverse and reverse. Details of 973.24.2687.3 on the following page.



973.24.2687.3. Details.

CATALOGUE NUMBER 51

<i>ROM Registration: Number</i>	973.24.2671.1, 2
<i>Excavation/Field Number</i>	63:2:192
<i>Object</i>	Sandal and strap fragments
<i>Type</i>	Classic Nubian Type I, Variant C
<i>Provenance</i>	Cemetery 1, Tomb 13
<i>Date</i>	Post-Meroitic (c. 400-650 AD)
<i>Measurements</i>	(1) l: 234; w heel: 151; W waist: 63.5; w front: 111.8; t: 4.1; small fragment sole: 20.4 x 61.2; (2) fragments of sole: 16.2 x 30.7 & 23.8 x 24.7; strap fragment: 52.5 x 88.6
<i>Colour</i>	Dark brown, black

Description

(1) The sandal is largely complete. It lacks only a small part of the front, from which a small edge-

fragment is detached but present. Of the straps, only the heel strap and its attachment to the pre-strap is still *in situ*, suggesting a regular type of strap complex. The sandal has stamped decoration: one line of zigzag motifs along the edge runs down to the heel's edge, rather than following the edge of the extended pre-strap. In between this are transverse lines of comparable motifs. Since the edge decoration runs inwards at the heel, there are not transverse lines of motifs there.

(2) Two small fragments of sole and two pieces of the straps. One, the biggest of the four, is actually a small fragment of the sole through which the front strap was pulled. The strap is secured by means of a button.

CATALOGUE NUMBER 52

<i>ROM Registration: Number</i>	973.24.2684
<i>Excavation/Field Number</i>	63:12:90
<i>Object</i>	Sandal and strap fragments
<i>Type</i>	Classic Nubian Type I, Variant C
<i>Provenance</i>	Cemetery 3, Tomb 447
<i>Date</i>	Early Post-Meroitic (Post-Meroitic: c. 400-650 AD)
<i>Measurements</i>	l: 275; w heel: 180; w waist: 64.5; w front: 105. t: 2.2; w back/heel strap: 9-15.7; w front strap: 5.6; t front strap: 2.6

<i>Colour</i>	Light brown, dark brown straps
<i>Remarks</i>	Tomb Card 3

Description

A complete sandal. The front strap as well as the attachment area of the back strap with the front strap, however, are detached but present. The front strap (a Regular Type III strap) is secured by looping the back strap around it and pulling it through the slits in the crossed terminal ends of the front strap. Note the narrow slits for the reception of the front strap.

1



2



973.24.2671.1. Complete sandal. Dorsal and ventral view; 973.24.2671.2. Isolated fragments of the strap and sole.



973.24.2684. Complete sandal. Dorsal and ventral view. With detached front strap and part of the back strap. Recto and verso.

CATALOGUE NUMBER 53

ROM Registration: Number 973.24.2701.1-3
ROM Registration: Group 973.24.2701.1-4
 (4) See forthcoming second volume

Excavation/Field Number 63:2:180

Object Sole fragments
Type Classic Nubian Type I, Variant C

Provenance Cemetery 1, Tomb 110

Date Post-Meroitic (c. 400-650 AD)

Measurements (1) l: 214; w waist: 71; w front: 109.2; t: 2.1; (2) l: 220; w waist: 73; w front: 114.7; t: 2.6; (3) 22.6 x 34.9-40.5 x 49.3; t: 2.1-2.6

Colour Dark brown, black

Remarks Tomb Card 28. The objects were too fragile to turn over and photograph the ventral surface.

Description

(1) & (2) Larger parts of a pair of sandal soles. Both lack the heel part. Fragment (1) consists of three pieces that fit together. This one is the better-preserved specimen, showing an elaborately decorated dorsal surface. Along the edge is a band of stamped, horizontally orientated zigzag motifs, in between which are transversely positioned bands of comparable zigzag motifs, but orientated vertically. Bands with stamped rosettes alternate with the bands of zigzag motifs. The bands are separated by a set of impressed parallel lines. Nothing remains of the straps.

(3) Small fragments of sole of either fragment (1) or (2).

1



2



3



973.24.2701.1, 2. Incomplete soles. Dorsal view; 973.24.2701.3. Fragments of sole. Overview.

CATALOGUE NUMBER 54

<i>ROM Registration: Number</i>	973.24.3249
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal
<i>Type</i>	Classic Nubian Type I, Variant C
<i>Provenance</i>	?
<i>Date</i>	?
<i>Measurements</i>	l: 235; w heel: 185; w waist: 70.5; w front: 111.8; t (original): 3.8; t (repaired): 6.8; w back strap: 9.6; w front strap: 17.7
<i>Colour</i>	Brown

Description

A nearly complete sandal, which lacks part of the front edge. The sole is repaired at the heel with, seemingly, a re-used piece of sandal. The front is also repaired. The original sole does not show serious wear that would have needed repair: the layer added to the heel is to repair the broken pre-strap. Adding a heel with holes to secure the back strap makes it much stronger than repairing the broken pre-strap in another way. Both patches are secured with leather thong running stitches. The dorsal surface still has small patches of red-brown hair. The straps are Regular Type III.



973.24.3249. A nearly complete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 55

<i>ROM Registration: Number</i>	973.24.2693.1, 2
<i>Excavation/Field Number</i>	64:1:197
<i>Object</i>	Pair of sandals
<i>Type</i>	Classic Nubian Type I, Variant C
<i>Provenance</i>	Cemetery 3, Tomb 732
<i>Date</i>	Early Post-Meroitic (Post-Meroitic: c. 400-650 AD)
<i>Measurements</i>	(1) l: 275; w heel: 170; w waist: 76.8; w front: 124.8; t: 2.2; w straps: 12; (2) l: 280; w heel: 180; w waist: 74.7; w front: 120; t: 3.8; w back strap: 10.3-18.5; w front strap: 6.4; t front strap: 3.5
<i>Colour</i>	Dark brown
<i>Remarks</i>	Tomb Card 2

Description

A pair of sandals. One has two repair patches: one at the heel and one at the front, both of which are secured with coarse leather thong stitches. The Regular Type III straps are largely complete. The sole of the other sandal is better preserved and, remarkably, without any repair patches. It still has small remnants of the back- and heel strap attached to the pre-strap. The double front strap was pulled through small, narrow slits. Just anterior to it are two additional small holes that are filled with pieces of leather. The flattened surface (due to the weight of the owner) suggests that the sandal was used after this repair. Possibly, this front pair of holes was made first but too close to the front edge to be practical and hence a second pair was made.



973.24.2693.1. A nearly complete sandal. Dorsal and ventral view. Right: Details of the attachment areas of the back- and heel straps. Scale bars details are 10 mm. See next page for 973.24.2693.2.



973.24.2693.2. A complete sandal. Dorsal and ventral view. Right: Detail of the attachment area of the back- and heel strap. Scale bar detail is 10 mm.

CATALOGUE NUMBER 56

<i>ROM Registration: Number</i>	973.24.3230.1, 2
<i>Excavation/Field Number</i>	63:12:119
<i>Object</i>	Pair of sandals
<i>Type</i>	Classic Nubian Type I, Variant C
<i>Provenance</i>	Cemetery 3, Tomb 485
<i>Date</i>	?
<i>Measurements</i>	(1) l: 255.0; w front: 119.5; w waist: 72.3; w heel: 150.0; t: 2.5; w back straps: 13.2; w front strap: 4.5; w slit for pre-strap: 10.1
<i>Colour</i>	Light brown, brown straps
<i>Remarks</i>	Tomb Card 9

Description

Both sandals are complete including the Regular Type II straps. The sandal has stamped decoration: one line of zigzag motifs along the edge running down to the heel's edge, rather than following the edge of the extending pre-straps. In between are transverse lines of comparable motifs. Since the edge decorations run towards each other at the heel, there are not transverse lines of motifs in between them here.



973.24.3230.1, 2. A pair of sandals. Dorsal and ventral view.

CATALOGUE NUMBER 57

ROM Registration: Number 973.24.3322.1
ROM Registration: Group 973.24.3322.1-4
(2)-(4) See forthcoming second volume

Excavation/Field Number -

Object Strap fragments

Type Classic Nubian Type I(?)

Provenance Cemetery 3, Tomb 232

Date ?

Measurements (Two attached fragments) w: 5.2 & 11.7; t: 3.2 & 4.6. Overall dimensions: 88 x 110; (Isolated fragment) l: 60.2 & 77.8

Colour White, light brown to brown

Remarks Tomb Card 1. Several scraps of this group are not described or photographed.

Description

One of the three pieces consists of two strips of leather, one pulled through a lengthwise slit in the other; the first one also has a lengthwise slit in one end. It was probably the attachment area of the front strap in the Regular Type III straps in Classic Nubian Type I sandals.



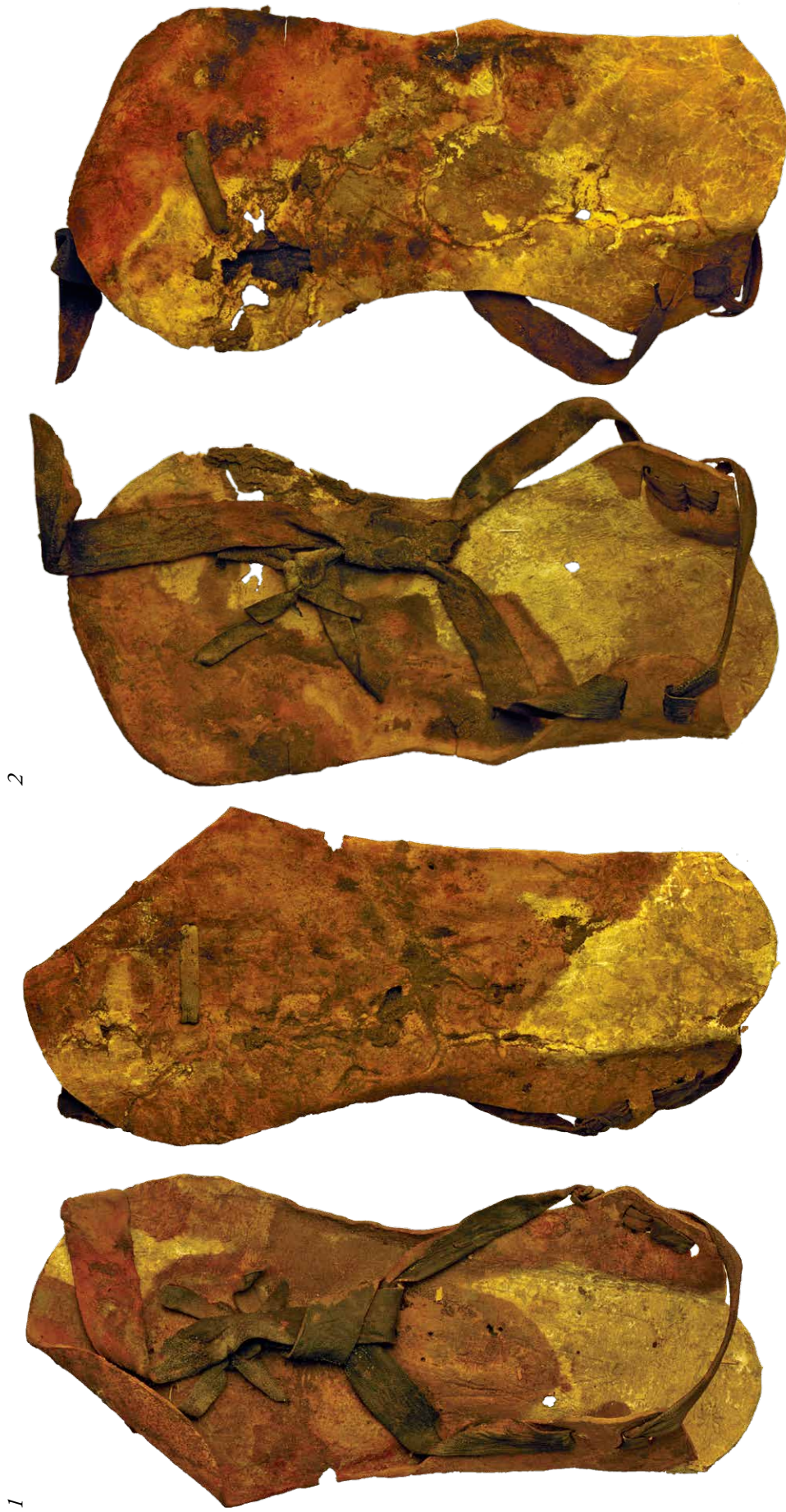
973.24.3322.1. Strap fragments. Overview.

SANDALS

CLASSIC NUBIAN TYPE II

CATALOGUE NUMBER 58

<i>ROM Registration: Number</i>	973.24.2012.1, 2	<i>w waist:</i>	105; <i>w front:</i> 128; <i>w back strap:</i> 18.5; <i>w heel strap (folded lengthwise):</i> 6.5; <i>w front strap:</i> 9.1
<i>Excavation/Field Number</i>	64:1:211	<i>Colour</i>	Light brown, brown; dark brown straps
<i>Object</i>	Pair of sandals	<i>Remarks</i>	Tomb Card 7
<i>Type</i>	Classic Nubian Type II, Variant A	<i>Description</i>	A pair of wide sandals, which are largely complete (including the Regular Type I straps). Note the differences in colour due to post-depositional circumstances.
<i>Provenance</i>	Cemetery 3, Tomb 732		
<i>Date</i>	Early Post-Meroitic (Post-Meroitic: c. 400-650 AD)		
<i>Measurements</i>	(1) l: 280; w heel: 178; w waist: 93.8; w front: 124.3; t: 2.2; w back strap: 19.8; w heel (folded): 6.3; w front: 7.2; (2) l: 273; w heel: 188;		



973.24.2012.1, 2. A pair of sandals. Dorsal and ventral view.

SANDALS

CLASSIC NUBIAN TYPE III

CATALOGUE NUMBER 59

<i>ROM Registration: Number</i>	973.24.671.1, 2
<i>Excavation/Field Number</i>	64:2:15.1, 2
<i>Object</i>	Pair of sandals and fragments
<i>Type</i>	Classic Nubian Type III, Variant A, Single Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 800
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	Measurements of the most complete specimen (right sandal). l: 275; w heel: 205; w waist: 60.7; w front: 104; t: 3.7; w back strap: 36; w front strap: 5.9. Isolated fragment of strap: l: 70.7; w: 39.5
<i>Colour</i>	Brown
<i>Remarks</i>	Tomb Card 1, 6. The ROM Registration Number in the database refers to two objects but several more were registered. These are not numbered separately, as it is assumed that they belong to the pair of sandals. Conservation work has been done, mainly to consolidate the parts of the straps that still connect to the pre-straps. This was done with Japanese paper.

Description

A pair of sandals with single layer soles, which increase in width continuously towards the front. At the front half the lateral edge of each expands outwards more rapidly than the nearly-diagonally medial edge, resulting in a pronounced big toe area (swayed sole). The front of the left sandal is squarer than seen in the right one, but this is due to damage on the edge. The dorsal surface of the sole is elaborately decorated with impressed motifs. This

includes lines and zigzag patterns set within a band of clovers along the edge, which is flanked by sets of parallel lines. This clover motif is very rare.

The strap complex seems to be of the regular type in its overall construction. The pre-straps are situated at the square edge of the heel and are relatively long. The slit, to which the heel- and back straps are secured, is comparatively long too – nearly as long as the pre-strap itself. The exact construction of the attachment of the heel- and back strap cannot be determined, due to the completeness of the sandal. It seems that the straps were pulled through the slit, folded around it and sewn (with whip stitches), after which they continue on to form the heel- and back straps (*cf.* 973.24.760, Cat. No. 60). The front strap, inserted through one hole in the front which is set slightly off centre, is made of a narrow leather strip that is folded lengthwise. It is secured below the sole by means of an expanded terminal end (a so-called ‘button’). The other end is broken, but the remainder shows that the strap is secured to one of the relatively wide back straps by means of decorative weaving. The back strap from the other side of the sandal is attached too. Although little of this attachment is preserved, it seems that it was not attached in a decorative fashion, but simply knotted. A separate, tapering strip of leather with a decorative openwork design might have been part of the straps – if so, it does not belong to this sandal. Moreover, it would be the only example of such an openwork strap complex. Comparison, however, strongly suggest the fragment is part of a quiver (*cf.* Veldmeijer, Forthcoming second volume; Williams, 1991: 76-117, esp. 108-109).



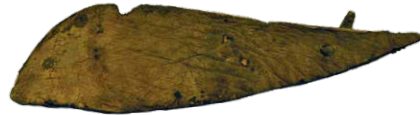
973.24.671.1, 2. A pair of sandals. Dorsal and ventral view. The white paper (Japanese Paper) is a restoration.



973.24.671.1. Detail of the decoration on the dorsal surface.
Scale bar is 10 mm.



973.24.671. Fragment, which equals streamers in quivers, rather than a decorative strap element.



973.24.671. Unidentified fragment.



973.24.671. Fragment of the straps. Obverse and reverse.

CATALOGUE NUMBER 60

<i>ROM Registration: Number</i>	973.24.760
<i>Excavation/Field Number</i>	64:1:310
<i>Object</i>	Sandal
<i>Type</i>	Classic Nubian Type III, Variant A, Single Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 772
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	l: 280; w heel: 175; w halfway: 94; w front: 109.3 t: 2.9; d front strap: 5.2 x 5.9; w back strap: 40; size squares at pre-back strap attach- ment area: 40.8 x 40.8
<i>Colour</i>	Brown
<i>Remarks</i>	Tomb Card 6

Description

A sandal with a single layer sole, the dorsal surface of which is elaborately decorated with impressed motifs. These include alternating transverse rows of short diagonal lines, and rare, rectangular motifs with rays extending outwards. These rows are separated by sets of double horizontal lines. Along the edge is a band of diagonally orientated motifs that consists of two rows of three small lozenges grouped together.

The exact construction of the attachment of the heel- and back strap to the pre-straps cannot be determined, due to the completeness of the sandal. However, it seems that the straps were pulled through the slit, folded around it and sewn (with whip stitches),

after which they continue on to form the heel- and back straps (cf. 973.24.671, Cat. No. 59). The attachment area of the back strap to the pre-strap is decorated with a *wḏbt*-eye in black square (the motif is left out of the black paint, thus showing the colour of the leather), surrounded by two squares in black lines. The other side is decorated with a frog, which was an important symbol of regeneration. The front strap,

inserted through one slightly off-centre hole in the front, is made of a narrow leather strip that is folded lengthwise. It is secured below the sole by means of a button. The other end has a slit to which the back straps are attached. These back straps have rounded ends, from which protrudes a narrow strip that is used to secure them to the front strap by means of decorative weaving.



973.24.760. A complete right sandal. Dorsal and ventral view.



973.24.760. Detail of the decoration on the dorsal surface.



973.24.760. Detail of the decoratively cut extension of the attachment area of the straps. Scale bar is 10 mm.



973.24.760. Detail of the attachment area of the back to the front strap. Scale bar is 10 mm.



973.24.760. Details of the attachment areas of the back strap to the pre-strap (decorated with a wd3t-eye, top, and frog, left) in a black square. Scale bars are 10 mm.



CATALOGUE NUMBER 61

<i>ROM Registration: Number</i>	973.24.2699
<i>Excavation/Field Number</i>	64:1:210
<i>Object</i>	Sandal
<i>Type</i>	Classic Nubian Type III, Variant A, Single Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 748
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	l: 285; w heel: 145; w waist: 78.7; w front: 120.6; t: 2.7-3.5; w back strap: 19.8; w front strap: 6.5; front decoration: 25.9 x 24.3; 85.0 x 59.4; isolated strap fragment: l: 133; w: 15.5
<i>Colour</i>	Light brown, dark brown, red
<i>Remarks</i>	Tomb Card 1. Undoubtedly, this sandal forms a pair with 973.24.2953 (Cat. No. 62)

Description

A largely complete right sandal. One pre-strap is detached as is a small part of the opposite back strap but both elements are present. The dorsal surface of

the sole is enhanced with three parallel, incised lines along the edge. The single front strap is a thick but rather narrow strip of leather, folded lengthwise, that is secured on the ventral surface of the sole with a button. Although not clearly visible, the back straps are probably pulled through a slit in the terminal end of the front strap and secured by a series of half hitches. To this attachment area is added a decorative patch to cover the junction, consisting of a larger oval and a smaller circular part; the patch was pulled through the slit in the front strap. The element consists of three layers. The topmost, visible layer is made of black leather with cut out designs. Stitching, done in flax and forming small crosses, secures this layer to the underlying two layers. The motif of the large element is rather enigmatic; the small, circular element shows a cross within a border that is cut out of the same leather. The layer underneath is redbrown in colour. The third layer seems to consist of several parts, which are secured at the edges with flax whip and running stitches.



973.24.2699. The verso of the decorative patch that covers the attachment area between the back- and front strap (see next page), showing the various elements from which it was made. Scale bar is 10 mm. The overviews are shown on the following page.

973.24.2699. Fragment of the strap.



973.24.2699. A nearly complete right sandal. Dorsal and ventral view.



973.24.2699. Detail of the decorative patch that covers the attachment area between the back- and front strap. Recto. Scale bar is 10 mm.

CATALOGUE NUMBER 62

<i>ROM Registration: Number</i>	973.24.2953
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal
<i>Type</i>	Classic Nubian Type III, Variant A
<i>Provenance</i>	Cemetery 3, Tomb 748(?)
<i>Date</i>	Late Meroitic (c. 350-400 AD)(?)
<i>Measurements</i>	l: 295; w heel: 220; w waist: 78; w front: 119.8; t: 2.5; w back strap: 18.9; w front strap: 4.8; patch at front strap: 24.5 x 26.5
<i>Colour</i>	White, greyish brown with dark brown and red straps
<i>Remarks</i>	Undoubtedly a pair together with 973.24.2699 (Cat. No. 61); hence the information of the provenance and date.

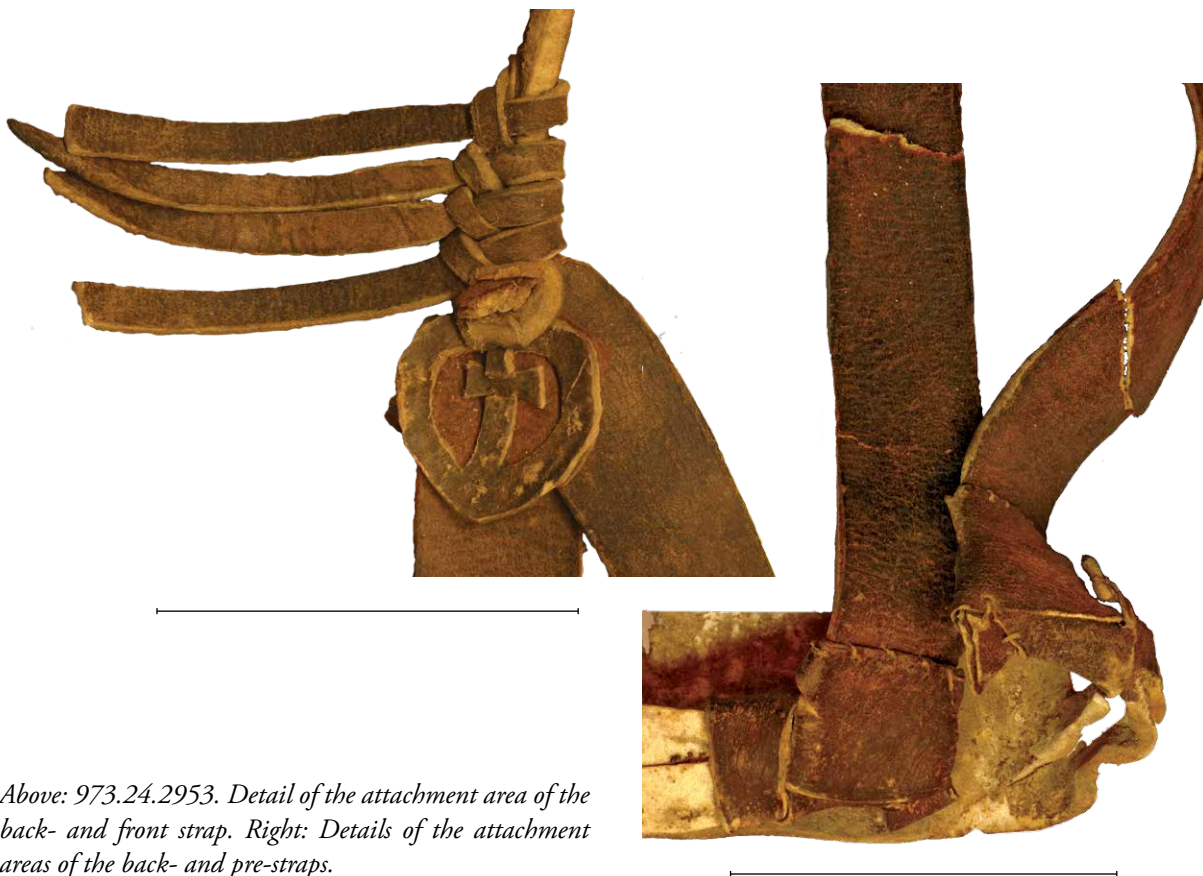
Description

A complete left sandal. The dorsal surface of the sole of this complete left sandal is enhanced with three

parallel, impressed lines along the edge. Note the diagonal scratches in the centre of the sole. There is no heel strap; the attachment of the back straps is comparable to other sandals of this type and variant, but the squares are relatively small and without any decoration. The relatively wide back straps are secured to the front strap by wrapping the two with several strips of leather. These strips seem to be the terminal ends of the back strap that are cut so as to split them into two extensions. Only the small, nearly circular top element of the decorative patch is preserved. That the other, usually larger element was torn off is suggested by the remains sticking out of the slit in the pre-strap. This indicates that the patch was pulled through the slit. The circular element consists of two (?; maybe three) layers: the top one shows a border with a cross in the centre. The front strap is secured at the ventral surface with a button.



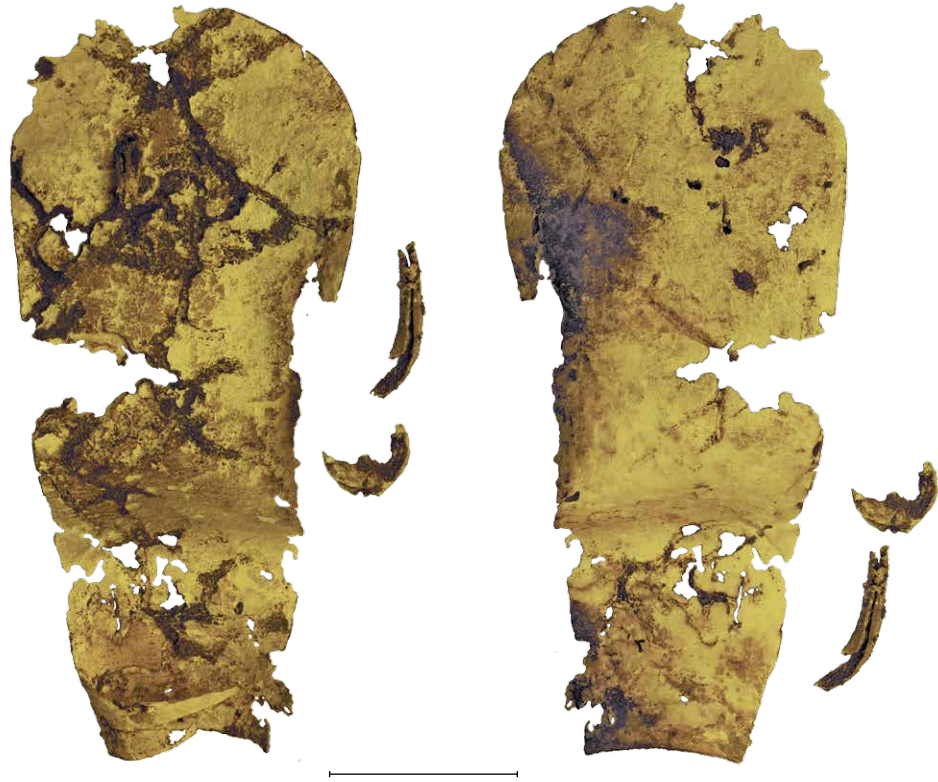
973.24.2953. A complete left sandal. Dorsal and ventral view.



Above: 973.24.2953. Detail of the attachment area of the back- and front strap. Right: Details of the attachment areas of the back- and pre-straps.

CATALOGUE NUMBER 63

<i>ROM Registration: Number</i>	973.24.2762	<i>Material</i>	Rawhide
<i>Excavation/Field Number</i>	64:2:145	<i>Colour</i>	Light brown, beige
<i>Object</i>	Incomplete sandal	<i>Remarks</i>	Tomb Card 1
<i>Type</i>	Classic Nubian Type III, Variant A, Single Front Strap	<i>Description</i>	An incomplete sandal, lacking large parts of the, remarkably thin, sole. Of the straps only the larger part of one of the pre-straps is still preserved. Part of the front strap is still <i>in situ</i> . The catalogue number includes a detached fragment of strap and a crescent-shaped fragment of sole(?).
<i>Provenance</i>	Cemetery 3, Tomb 853		
<i>Date</i>	Early Post-Meroitic? (Post-Meroitic: c. 400-650 AD)		
<i>Measurements</i>	l: 270; w heel: 125; w waist: 63.2; w front: 114.6; t: 2; d straps: 5.8-7.7		



973.24.2762. An incomplete, much damaged and fragile right sandal. Dorsal and ventral view.

CATALOGUE NUMBER 64

<i>ROM Registration: Number</i>	973.24.3332.1, 2	<i>Description</i>
<i>Excavation/Field Number</i>	-	(1) A largely complete sandal. The front part of the strap is detached but still present (2). The dorsal surface is decorated with impressed motifs, starting with a band of poorly defined zigzag motifs, flanked by two lines. In the centre are transverse bands of comparable zigzag motifs that are also separated by two parallel lines. The front part of the sandal has a large repair patch, which is secured with leather thong running stitches (large stitches but closely-spaced). The heel has a repair patch too.
<i>Object Type</i>	Sandal and fragments of the straps Classic Nubian Type III, Variant A, Single Front Strap	(2) Part of the attachment area of the back strap with the front strap, including part of the decorative patch used to obscure the attachment area between the two parts of the straps.
<i>Provenance</i>	Cemetery 3, Tomb 801	
<i>Date</i>	?	
<i>Measurements</i>	(1) l: 300; w heel: appr. 205; w waist: 87; w front: 116.8; t: 2 (5.5 at repair); w back strap: 34.5; (2) Overall: 58 x 103.1; w strip: 5.7; d circle: 24;	
<i>Colour</i>	(1) Light brown to brown; (2) Brown	
<i>Remarks</i>	Tomb Card 9	



973.24.3332.1. A nearly complete right sandal. Dorsal and ventral view; 973.24.3332.2. The detached attachment area of the back straps to the front strap.

CATALOGUE NUMBER 65

ROM Registration: Number
ROM Registration: Group

973.24.2952.1, 2
973.24.2952.1-3
(3) See forthcoming second volume

Description

(1) An incomplete sandal, which lacks the heel part and parts of the edge. The dorsal surface is elaborately decorated with an impressed design, though it is barely visible due to extensive wear. Starting at the perimeter, there are two parallel lines following the edge. Slightly inwards is a band of rectangular motifs, that most likely were zigzag motifs originally, followed by another set of two parallel lines. The area inside this edge decoration is divided in triangular compartments by sets of six parallel, diagonal lines, alternating in orientation from anteromedial to anterolateral. The compartments are filled with stamped, poorly defined, and slightly squared circular motifs. The sole was extensively repaired and in several stages, including a large oval patch and an irregularly-shaped one more towards the front edge. The patches are secured with leather thong running stitches. Only the button of the front strap is still *in situ*.

Excavation/Field Number

-

Object Sandal and (strap) fragments
Type Classic Nubian Type III, Variant A(?), Single Front Strap

Provenance ?

Date ?

Measurements (1) l: 207; w back: 75.5; w front: 107.2; t: 2.8 (repaired part: 4.9); sole fragments: 35.2 x 46; 33.5 x 53.5; 45.7 x 53.2; (2) l: 90.6; w max.: 51.2; t: 3.8

Colour Brown

Remark Typology on the assumption that front patches as seen in (2) were only used in Type III sandals.

(2) An oval patch, which consists of three layers. Patches like these, the function of which was to obscure the attachment area of the back straps to the front strap, usually consists of several parts. Here, one part is torn off from the tapering lower part. The top layer is open work, depicting and ζnh -sign flanked

by $w3s$ -scepters – the layers are secured with isolated leather thong stitches. At the widened top are three small stitch holes; a bigger one is situated at the top of the ζnh -sign and two additional stitch holes, one below the other, are on the oval element at the bottom of the patch.



973.24.2952.1. An incomplete left sandal. Dorsal and ventral view. Right: Four fragments of sole. Dorsal and ventral view; 973.24.2952.2. Oval patch, part of the attachment area of the back strap to the front strap. Recto and verso.

CATALOGUE NUMBER 66

<i>ROM Registration: Number</i>	973.24.3334.1, 2
<i>ROM Registration: Group</i>	973.24.3334.1-7 (3)-(7) See forthcoming second volume
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal and strap fragment
<i>Type</i>	Classic Nubian Type III, Variant A, Single Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 287
<i>Date</i>	?
<i>Measurements</i>	(1) l: 265; w back: 68.6; w front: 107.8; t: 2; w front strap: 4.9; t front strap: 5.2; small fragment: l: 38.8; w: 16.8; (2) total: 65 x 130 x appr. 45; w back strap: 39.7;
<i>Colour</i>	Brown to dark brown
<i>Remarks</i>	Pair with 973.24.3374 (Cat. No. 67). The label reads: "3/287/2 [illegible] 3".

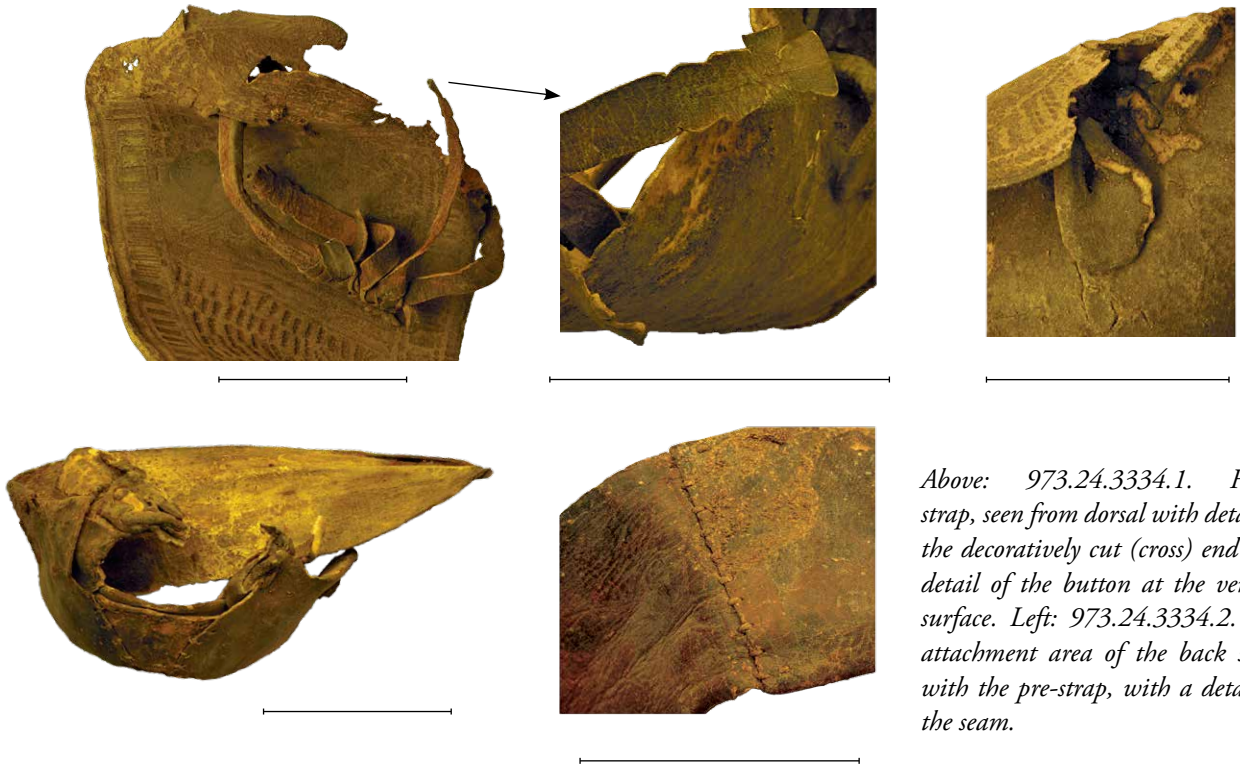
Description

(1) A warped (probably post-depositional), right sandal, which is incomplete: the front is missing a part and the heel (2), is detached. Only the front strap is largely intact. Note the repair patch at the heel, which

is secured with large, and seemingly random, leather thong running stitches. The dorsal surface of the sole is enhanced with impressed motifs. Sets of two parallel lines along the edge of the sandal flank a band of transverse, rectangular motifs. These are ill-defined, as is most of the decoration, but seem to consist of two rectangular impressed elements that are separated by a narrow, vertical line. The area inside this edge decoration is divided into triangular compartments by means of four(?) parallel impressed lines. These compartments are alternately filled with impressed double circles and zigzag motifs. Wear is the reason that the motifs are so unclear. The double front strap is secured at the ventral surface of the sole by means of two buttons, of which only one is preserved. The attachment of the back straps is done in a decorative fashion; the ends are cut in patterns, including crosses (note that comparably long extensions, also ending in a similar way, are found in quivers; see forthcoming second volume). (2) The two pre-straps of (1), with the entire heel strap and one largely intact back strap. The back strap consists of the wide oval pieces, but lacks the narrow parts that were once used to secure it to the front strap (this attachment area is still visible on the sandal itself).



973.24.3334.1. An incomplete right sandal. Dorsal and ventral view.



Above: 973.24.3334.1. Front strap, seen from dorsal with detail of the decoratively cut (cross) end and detail of the button at the ventral surface. Left: 973.24.3334.2. The attachment area of the back strap with the pre-strap, with a detail of the seam.

CATALOGUE NUMBER 67

<i>ROM Registration: Number</i>	973.24.3374.1-4	<i>Remarks</i>	Pair with 973.24.3334 (Cat. No. 66). Tomb Card 2 + 3. Some of the strap fragments seem to belong to 973.24.3334.
<i>ROM Registration: Group</i>	973.24.3374.1-6 (5)-(6) See forthcoming second volume		
<i>Excavation/Field Number</i>	-	<i>Description</i>	(1) A complete left sandal, including the straps (which is the default in this type of sandal). The dorsal surface of the sole is enhanced with impressed motifs. Two parallel lines along the edge of the sandal flank a band of transverse, rectangular motifs. These consist of two rectangular impressed elements that are separated by a narrow, vertical line. The area inside this edge decoration is divided into triangular compartments by means of four parallel impressed lines. These compartments are filled alternately with impressed double circles and zigzag motifs (the latter in the compartment at the front orientated transversely; in the third compartment from the front they are orientated more or less vertically). At the front, a thick leather patch was added, which is secured with leather thong running stitches, to replace the corner of the big toe, which was torn off.
<i>Object</i>	Sandal and fragments of the straps		
<i>Type</i>	Classic Nubian Type III, Variant A, Single Front Strap		
<i>Provenance</i>	Cemetery 3, Tomb 287		
<i>Date</i>	?		
<i>Measurements</i>	(1) l: 290; w heel: 85; w waist: 70.8; w front: 104.9; t: 2.2; w back strap: 38.2; w heel strap: 21; (2) l: 220; w complete part: 62.3; t complete part: 3.7; w incomplete part: 40.2; t incomplete part: 1.2; (3) l: 115; w (max.): 61; t: 3.6; (4) l: 110; w (max.): 43.4; t: 1.5		
<i>Colour</i>	(1) Brown, dark brown straps; (2) Brown to dark brown; (3) & (4) Brown		

(2) Part of the tapering back strap. It is still attached to the decorative oval patch that obscures the attachment area between the back strap and the front strap. The back strip consists of one layer, but the decorative patch of two: the visible, dorsal side is an open-work layer showing two rows of lozenges followed by a severely damaged area displaying the remnants of an *ḥnh*-sign, flanked by *w3s*-scepters, and, on the

tapering end, crescent-shaped motifs. The two layers are secured with an occasional, tiny stitch, but most likely glue was used as well.

(3) The isolated decorative patch as described for (2). However, this patch clearly consists of three layers. Probably fits with (4).

(4) A back strap as described for (2).

1



2



Above: 973.24.3374.1. A complete left sandal (with a detail of the attachment area of the back- and heel strap with the pre-strap). Dorsal and ventral view. Left: 973.24.3374.2. The decorative patch, which covers the attachment area of the back strap to the front strap, still attached to a fragment of the back strap. Recto and verso.



973.24.3374.3. The decorative patch, which covers the attachment area of the back strap to the front strap. Recto and verso; 973.24.3374.4, Fragment of the back strap. Obverse and reverse.

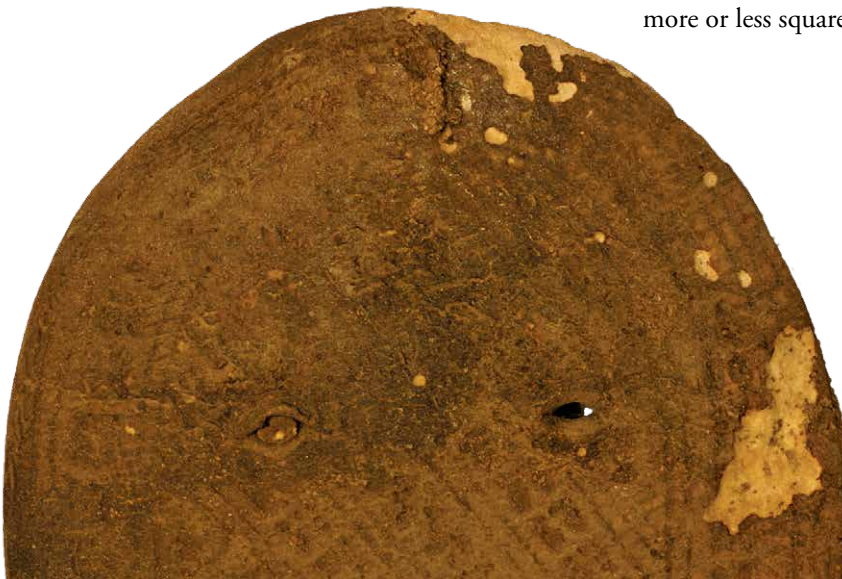


CATALOGUE NUMBER 68

<i>ROM Registration: Number</i>	973.24.2690
<i>Excavation/Field Number</i>	63:4:85
<i>Object</i>	Sole
<i>Type</i>	Classic Nubian Type III, Variant B, Double Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 226
<i>Date</i>	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)
<i>Measurements</i>	l: 260; w heel: appr. 160; w waist: 67.3; w front: 98.7; t: 2.7; w strap: 11.1
<i>Colour</i>	Brown
<i>Remarks</i>	Possibly a pair with 973.24.2971 (Cat. No. 69).

Description

A nearly complete sole, lacking most of the straps. Two areas of damage to the surface of the sole are visible at the front, showing beige-white underneath. The pre-straps are largely intact with remnants of the heel- and back strap still *in situ*. A detached part of the back strap is present, but not numbered separately. The part of the double front strap that runs under the sole is present. The dorsal surface is enhanced with impressed lines and stamped motifs. Along the edges are two sets of two parallel lines, which flank a band of ill-defined motifs. Inside this edge decoration are comparable sets of patterns (*i.e.* lines and motifs), but here they are orientated diagonally. The shape of the motifs is too unclear to describe, except that it consists of two opposite elements that together have a more or less square circumference.



973.24.2690. Detail of the decoration on the dorsal surface. The overviews can be found on the next page.



973.24.2690. An incomplete sandal. Dorsal and ventral view.
 Above right: Detail of the decoration on the dorsal surface.
 Right: Fragment of the strap. Overview.

CATALOGUE NUMBER 69

<i>ROM Registration: Number</i>	973.24.2971.1
<i>ROM Registration: Group</i>	973.24.2971.1-2 (2) Cat. No. 15
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sole fragments
<i>Type</i>	(1) Classic Nubian Type III, Variant B, Double Front Strap
<i>Provenance</i>	Cemetery 3, Tomb 226(?)
<i>Date</i>	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)(?)
<i>Measurements</i>	l: 140; w back: 93.3; w front: 98; w front strap: 3.8-6.2; t sole: 2.4
<i>Colour</i>	Dark brown
<i>Remarks</i>	The typology is on the close similarity with 973.24.2690 (Cat. No.

68; possibly they are a pair, hence the information of provenance and date). Fragments (1) and (2) are not part of the same sandal.

Description

Approximately the front half of a sandal. The dorsal surface is enhanced with impressed lines and stamped motifs. Along the edges are two sets of two parallel lines, which flank a band of motifs. Inside this edge decoration are comparable sets of patterns (*i.e.* lines and motifs), but here they are orientated diagonally. The shape of the motifs is too unclear to describe, except that it consists of two opposite elements that together have a more or less square circumference. Part of the double front strap is still *in situ*.



973.24.2971.1. Front part of a sandal. Dorsal and ventral view.

CATALOGUE NUMBER 70

<i>ROM Registration: Number</i>	973.24.2943.1-3, 6
<i>ROM Registration: Group</i>	973.24.2943.1-7 (4)-(5), (7) See forthcoming second volume
<i>Excavation/Field Number</i>	-
<i>Object</i>	Pair of sandals with fragments (of third?)
<i>Type</i>	Classic Nubian Type III, Variant B, Single Front Strap
<i>Provenance</i>	?
<i>Date</i>	?
<i>Measurements</i>	(1) l: appr. 250; w heel: 145; w waist: 58.9; w front: 95.9; t: 4.2; d front strap: 6.6; (2) 29.1 x 43.5; t: 2.6; (3) l: 81.2; w: 44.5; (6) l: 94.7; w: 31.5-37.5
<i>Colour</i>	Light brown, brown

Description

(1) An incomplete left sandal, with a significant portion of the edges of the (relatively thin) sole missing. The strap complex is equally incomplete. The dorsal surface is elaborately decorated with impressed and stamped design. Starting at the edge, there are two parallel lines following the perimeter. Slightly inwards is a band of repetitive V-motifs followed by another set of two parallel lines. The area inside this is divided into triangular compartments by sets of five parallel, diagon-

nal lines, alternating in orientation from anteromedial to anterolateral. The compartments are filled with stamped horse-shoe motifs. The attachment area of the back- and heel straps with the pre-straps is covered with a square decorative patch embellished with the image of a frog. The area surrounding the frog (framed by two thin, black parallel lines) is painted and the frog is not, showing the original colour of the leather background (on the attachment see (3)). When the sandal was worn, the frog would have faced towards the front. (2) The right sandal is even less complete and in worse condition. It lacks the front part and many areas lack the uppermost surface of the leather. Nearly nothing survives of the straps; remnants of the decorative patch on the attachment area of the back- and heel straps to the pre-straps are, however, still recognisable. Note the slight overall curvature of the sandal, which is nearly absent in the left sandal.

(3) Despite the nice appearance, the disconnected attachment area shows at the back a rather messy construction. The attachment area is either the medial one of the left sandal or the lateral one of the right sandal. This means that the strong, lengthwise folded end (with the fold down) is the heel strap. But another strip of leather (the function of which is not clear, although it might be for reinforcement) is inserted. Visible on the recto, the edges of the square with the frog-image are secured at either side with whip stitches of flax thread. On the dorsal side, the triangular extension is

folded over the attachment area (thus largely obscuring the whip stitching) and secured with two isolated stitches. At the bottom the opposite triangular extension is folded over the attachment area too. The edge of this is included in the whip stitching that is visible

on the recto. The small piece of back strap shows that, contra the heel strap, it is made of a single thickness of leather.

(6) Possibly a piece of back strap with one rounded end. Damaged and incomplete.

1



2

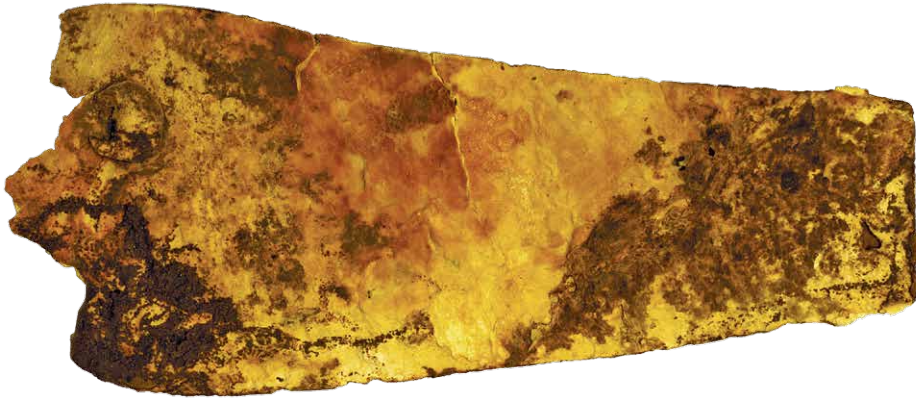
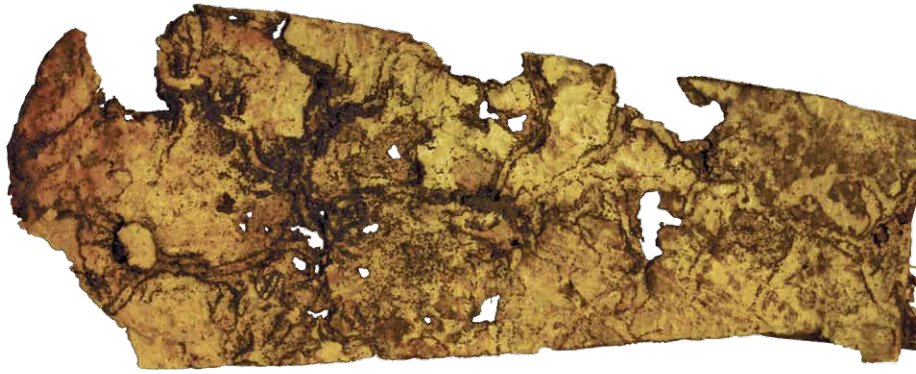


973.24.2943.1, 2. Details of the attachment areas of the back strap to the pre-strap (decorated with a frog) in a black square. Scale bars are 10 mm. Overviews can be found on the following page.

1

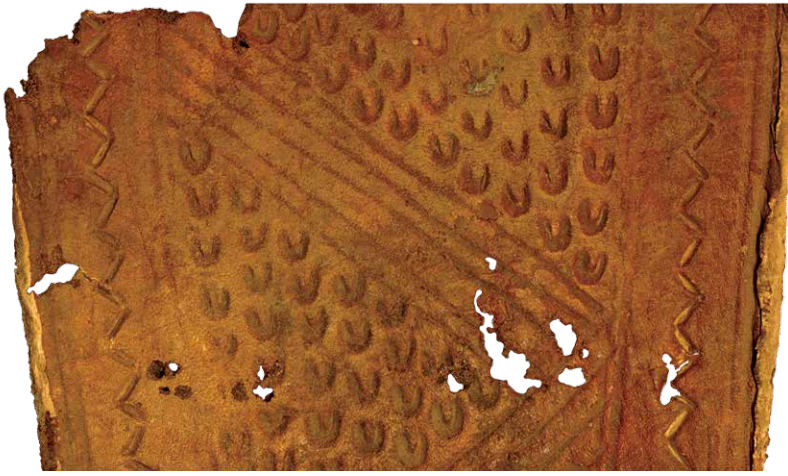


2



973.24.2943.1, 2. A pair of incomplete sandals. Dorsal and ventral view.

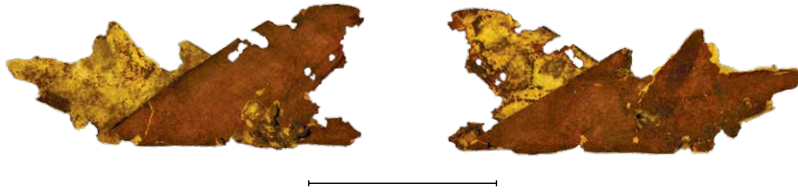
1



3



973.24.2943.1. Detail of the decoration of the dorsal surface; 973.24.2942.3. Details of the attachment areas of the back strap to the pre-strap (decorated with a frog). Note the opposite direction to the others that are still attached to the sole. Scale bar is 10 mm.



973.24.2943.6. Fragment of strap. Obverse and reverse.

CATALOGUE NUMBER 71

<i>ROM Registration: Number</i>	973.24.3242.2
<i>ROM Registration: Group</i>	973.24.3242.1-43
	Rest: see forthcoming second volume
<i>Excavation/Field Number</i>	-
<i>Object</i>	Strap fragment
<i>Type</i>	Classic Nubian Type III(?)
<i>Provenance</i>	Cemetery 3 or 5?, S 749
<i>Date</i>	?
<i>Measurements</i>	l: 80.6; w circular part: 20.1; w constricted part: 7.3; w oval part: 27.3-30.0; t: 3.2
<i>Colour</i>	Brown

Description

An openwork patch, used in Classic Nubian Type III sandals to hide the attachment area between the front and back straps. The object consists of a circular piece that is connected to the larger, oval part by a constricted section; usually, the circular part was pulled through the slit of the front strap until the constricted part was reached. The larger part consists of a bell-shaped upper part, on top of an oval part, of which the corners protrude. The openwork could be a badly cut ζnh -sign.



973.24.3242.2. Openwork patch for covering the attachment area between the back and front straps. Recto and verso.

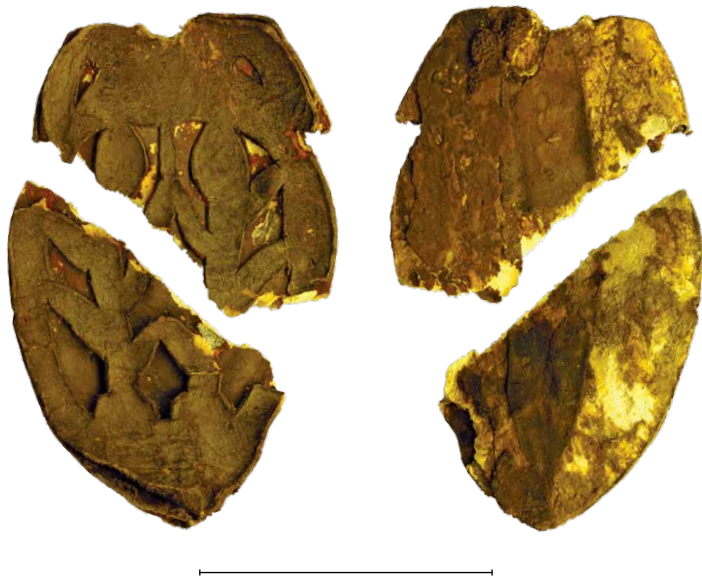
CATALOGUE NUMBER 72

<i>ROM Registration: Number</i>	973.24.3340
<i>Excavation/Field Number</i>	-
<i>Object</i>	Strap fragment
<i>Type</i>	Classic Nubian Type III(?)
<i>Provenance</i>	Cemetery 3, Tomb 807
<i>Date</i>	?
<i>Measurements</i>	l: 82; w top: 37.6; w max.: 58.5; t: 2.2
<i>Colour</i>	Brown

Remarks Tomb Card 9

Description

A decorative patch, used to cover the junction between the back and front strap. It consists of two layers, the dorsal one of which is openwork. It is not clear how the two layers are secured, but no stitching is observed, so probably they are glued. Note the edge of much of the openwork motif, which shows the cuts due to the slipping of the knife.



973.24.3340. Broken oval patch, part of the attachment area of the back strap to the front strap. Recto and verso.

CATALOGUE NUMBER 73

ROM Registration: Number 973.24.2940.1-3
Excavation/Field Number -
Object Strap fragments
Type Classic Nubian Type III(?)
Provenance ?
Date ?
Measurements (1) l: 74.5; w: 104.3; (2) appr. 150 x 180; (3) 8.2-12.7 x 31.5 & l: 110; w: 2.7
Colour Brown, dark brown
Remarks The classification as Classic Nubian Type III is on the assumption that decorative patches such as (1) are not seen in other footwear.

Description

(1) A semi-circular, incomplete patch, consisting of two layers. The top layer shows an elaborate cut-out design that is attached to a much thicker backing. It is secured along the edge with leather thong running stitches. The cutting of the motif is done rather coarsely. Inside the signs, details are added by scraping away the surface.
 (2) The attachment area of the back strap to the front strap, including an oval decoration patch to obscure the junction (Regular Type I). This patch has a decorative impressed line running lengthwise down the centre. Note that, if the identification of (1) is correct, this ROM registration number includes the remnants of at least two sandals.
 (3) Two fragments of strap. The terminal end of the longest was pulled through two slits of another layer that is incomplete.



1

2

3

973.24.2940.1. Incomplete openwork patch for covering the back and front straps. Recto and verso; 973.24.2940.2. The attachment area of the back strap to the front strap. Obverse and reverse; 973.24.2940.3. Two fragments of strap. Obverse and reverse.

CATALOGUE NUMBER 74

<i>ROM Registration: Number</i>	973.24.3296
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sole fragment
<i>Type</i>	Classic Nubian Type III(?)
<i>Provenance</i>	Cemetery 3, Tomb 736
<i>Date</i>	?
<i>Measurements</i>	l: 147.7; w back: 88.3; w front: 103.5
<i>Colour</i>	Dark brown
<i>Remarks</i>	Tomb Card 1

Description

A swayed front part of a sandal. The slightly convex lateral edge runs in a long curve towards the big toe area and the straight medial edge runs with a stronger, but shorter curve towards the big toe area. The dorsal

surface of this left sandal is enhanced with impressed lines and stamped motifs. Along the edge are two sets of two parallel lines, which flank a band of repetitive V-motifs. These differ from other comparable motifs (such as 973.24.2943.1, Cat. No. 70) in that these are made by stamped dots. Inside this edge decoration are triangular compartments that are divided by sets of six impressed lines that are orientated diagonally: one set anteromedial, followed by a set running posteromedially, followed by an anteromedially orientated set etc. The appearance of the impressed lines (with wider and narrower lines) shows that the motifs were made with the same tool. The compartments thus created are filled with impressed motifs, which are reminiscent of Coptic crosses.



973.24.3296. *The front part of a left sandal. Dorsal and ventral view. With details of the decoration on the dorsal surface. Scale bars of details are 10 mm.*

SANDALS

TOE-SHAPED SANDALS

CATALOGUE NUMBER 75

<i>ROM Registration: Number</i>	973.24.2676.1, 2
<i>Excavation/Field Number</i>	63:3:367
<i>Object</i>	Sole and fragments of the straps
<i>Type</i>	Toe-Shaped Type I
<i>Provenance</i>	Cemetery 3, Tomb 6
<i>Date</i>	Late Meroitic (c. 350–400 AD)
<i>Measurements</i>	(1) l: 235; w heel: 52.6; w waist: 60.6; w front: 81.7; t: 5.2; (2) w pre-strap: 15.5; w back strap: 8.1
<i>Colour</i>	Dark brown, black
<i>Remarks</i>	Tomb Card 10. Three additional small scraps have not been described or photographed.

Description

(1) A nearly complete left sandal. The three sole layers are secured with leather thong running stitches (average width of 3.4 mm) along the edge, following the toe-protrusions as well. The stitches are about 4 mm long and widely spaced, and rather coarse de-

spite the fairly regular stitching. The insole is only present at the edges, the toes and an area on the lateral half of the foot. However, the remnants shows impressed zigzag (? or motifs comparable to, for example, 973.24.2737, Cat. No. 76) decoration along the edge. An oval, transverse slit is situated just posterior to the front edge, roughly between the two toe protrusions, suggesting a single front strap that was pulled through a hole and secured at the ventral surface of the treadsole. The view is unclear, unfortunately. Note that a comparable sandal (973.24.2683, Cat. No. 77) has two slits behind each other. The view from the side suggests that the pre-strap was sandwiched between the in- and midsole and emerged out of the edge rather than being pulled through slits in the insole;

(2) Three small fragments among which is a piece of pre-strap with a rounded terminal end and a large hole for the attachment of the back (and heel?) strap.



973.24.2676.2. *Parts of the straps. Obverse and reverse.*



973.24.2676.1. A nearly complete left sandal. Dorsal and ventral view.

CATALOGUE NUMBER 76

<i>ROM Registration: Number</i>	973.24.2737.1-6	<i>Description</i>
<i>Excavation/Field Number</i>	63:3:369	(1)-(4) Pair of sandals, the right sandal of which is broken in three parts ((2), (3) and (4); (1) is the left sandal). The protruding semi-circles for the three smallest toes are directed anterolaterally rather than predominantly laterally, as seen in 973.24.2676 (Cat. No. 75). Moreover, at the medial side, the start of the big toe protrusion is orientated slightly sideways from the more or less straight edge, resulting in the strange angle of the front part of the sandal. The three sole layers are secured with leather thong running stitches (width about 4 mm; spacing about 10 mm and length of the stitches about 4 mm) along the edge – also following the toe-protrusions – and lengthwise down the centre. The insole has stamped zigzag decoration along the edges (with the motifs orientated horizontally), in between which are transverse bands of zigzag
<i>Object</i>	Sole and fragments of the straps	
<i>Type</i>	Toe-Shaped Type I	
<i>Provenance</i>	Cemetery 3, Tomb 137	
<i>Date</i>	Late Meroitic (c. 350-400 AD)	
<i>Measurements</i>	(1) l: 250; w heel: 65.6; w front: 88.7; t: 6; w pre strap: 15; (2) l: 140; w back: 75.1; w front: 87.7; t: 6.5; (3) l: 90; w heel: 61.4; w front: 72; t: 6.1; (4) l: 35.9; w: 54.4; t: 4.1; (5) l: 195; w 8; w attachment: 9.7; (6) l: 18.8-45.2; w: 14.5	
<i>Colour</i>	Dark brown	
<i>Remarks</i>	Tomb Card 1. Several scraps are not described and photographed.	

motifs that are orientated vertically. The front strap (only remnants are still *in situ* in the right sandal) was pulled through two transverse slits one behind the other at the division between the two toe-protrusions at the front. The pre-straps were pulled through slits at either side and through the in- and midsole. The slits are placed just inwards from the edge.

(5) Narrow strips that are probably the front strap. There are two pieces which are held together by means of a spacer (a folded piece of leather with slits

through which the two elements of the front straps were pulled). One end of the strap is tied into an overhand(?) knot.

(6) Fragments of straps, among which the rounded, terminal end of a pre-strap, containing three slits to which the back (and heel?) strap is hitched. Note the relatively small width, compared to the length of the slits in the insole through which the pre-straps were pulled.

5



6

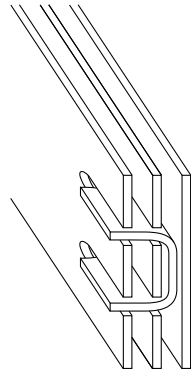


973.24.2737.5. Fragment of strap. Overview; 973.24.2737.6. Four small fragments of strap. Obverse and reverse. 973.24.2737.1. can be found on the following page.

1



2-4



973.24.2737.1-4. Pair of nearly complete sandals. Obverse and reverse. With a diagram of the strap construction.

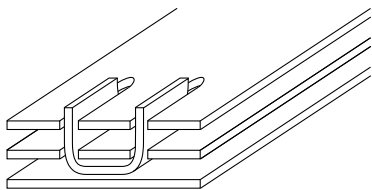
CATALOGUE NUMBER 77

ROM Registration: Number 973.24.2683.1, 2
Excavation/Field Number 63:4:354
Object Incomplete sole and fragments of the straps
Type Toe-Shaped Type II
Provenance Cemetery 3, Tomb 343
Date Late Meroitic (c. 350-400 AD)
Measurements (1) l: 210; w heel: 50.5; w waist: 62; w front: 84.8; t: 6.1; (2) w strap fragments: 11.2 (rest not measured)
Colour Dark brown
Remarks Tomb Card 1
Description

(1) A right sandal which lack part of the heel. The sole originally consisted of three sole-layers, however, it is only in a few stitches that small fragments of

the treadsole are still present. The insole is markedly thinner than the midsole. The layers are secured with widely spaced, short running stitches of leather along the edge (also following the toe-protrusions). The stitches are rather big but the stitching is fairly regular. An additional row is positioned lengthwise down the centre. The front strap (only remnants are still *in situ*) was pulled through two transverse slits that are placed one behind the other at the division between the two toe-protrusions at the front. The pre-straps were pulled through slits at either side and through the in- and midsole. The slits are placed just inwards from the edge.

(2) Several fragments of strap (two of which are tied in overhand knots) and a scrap of sole.



973.24.2683.1. A nearly complete right sandal. Dorsal and ventral view. With a diagram of the strap construction; 973.24.2683.2. Small fragments of the straps and sole. Overview.

SANDALS

LEATHER REINFORCED PLAITED SANDALS

CATALOGUE NUMBER 78

<i>ROM Registration: Number</i>	973.24.2764	<i>Colour</i>	Brown, dark brown
<i>Excavation/Field Number</i>	65:1:24	<i>Remarks</i>	<i>Cf.</i> Veldmeijer (2009c)
<i>Object</i>	Sole fragments		
<i>Type</i>	Leather Reinforced Plaited Sandal; Variant Leather Treadsole		
<i>Provenance</i>	Trench 6, Section 1, Meter 2		
<i>Date</i>	Late Christian/Ottoman (after 1100 AD based on Qasr Ibrim's examples published by Veldmeijer, 2009c).		
<i>Measurements</i>	l: 195; w: 73.2-77.7; t: 12.8 & l: 102.9; w: 45.3-46.3; t: 13.7		
<i>Material</i>	Leather and palm leaf		

Description
Parts of two sandals: one fragment of an edge and one nearly complete sole. The 'over 2/under 2/shift 1' fabric, made of strips of palm leaf and folded double, is sewn lengthwise with five rows of leather thong running stitches. These stitches are about the same size at the in- and treadsole (length about 8 mm, width about 9 mm). The edge of the plaited palm leaf sole is whip stitched with leather thong. A leather treadsole is included in the leather thong sewing, resulting in a thick sole.



973.24.2764. The incomplete soles of two sandals. Dorsal and ventral view. With a diagram of the construction.

CATALOGUE NUMBER 79

<i>ROM Registration: Number</i>	973.24.2967.2	<i>Remarks</i>	The label reads: "trench 7 section 1. find by straightening the trench 13.2.65". Cf. Veldmeijer (2009c).
<i>ROM Registration: Group</i>	973.24.2967.1, 2 (1) Cat. No. 84		
<i>Excavation/Field Number</i>	-	<i>Description</i>	(2) A largely complete sandal, but missing the edge of the heel. The 'over 2/under 2/shift 1' fabric, made of strips of palm leaf and folded double with the pointed part of the fabric making up the front of the insole, is sewn lengthwise with five rows of leather thong running stitches (of the fifth, only little remains). These stitches are about the same size at the in- and treadsole. The edge of the plaited fibre sole is whip stitched with leather thong. A leather treadsole is included in the leather thong sewing, resulting in a thick sole. The double front strap is repaired: one element of the original slit/pull strap (part of which is detached, but still preserved) was replaced with a strip of leather.
<i>Object</i>	Sole and strap fragment		
<i>Type</i>	Leather Reinforced Plaited Sandal; Variant Leather Treadsole		
<i>Provenance</i>	?		
<i>Date</i>	Late Christian/Ottoman (after 1100 AD based on Qasr Ibrim's examples published by Veldmeijer, 2009c).		
<i>Measurements</i>	(2) l: 253; w heel: 75.8; w halfway: 75.1; w front: 75.3; t: 13.5; t leather: 3.2; w front strap: 4.9; stitches: 10.3 x 11.5; w edge leather: 5.4; isolated strap: l: 100; w: 7.5; t: 3.4		
<i>Colour</i>	Brown		



973.24.2967.2. An incomplete sole, with a fragment of the straps. Dorsal and ventral view. With a diagram of the construction.

CATALOGUE NUMBER 80

<i>ROM Registration: Number</i>	973.24.3303.3	<i>Provenance</i>	Trench 7/104-60
<i>ROM Registration: Group</i>	973.24.3303.1-6	<i>Date</i>	?
	(1) Cat. No. 83;	<i>Measurements</i>	(3) l: 145; w: 40.5-67.5; t: 2.6; t
	(2) Cat. No. 96		(total): 13.1
	(4)-(6): See	<i>Colour</i>	Dark brown
	forthcoming sec-	<i>Description</i>	
	ond volume	A fragment of the leather layer of a sandal. Instead of	
<i>Excavation/Field Number</i>	-	square stitches to secure the leather sole layer (as seen	
<i>Object</i>	Sole fragment	in 974.24.2764 & 2967, Cat. Nos. 78 & 79 respec-	
<i>Type</i>	Leather Reinforced Plaited Sandal, Variant Leather Treadsole	tively), long stitches of leather thong were used. The	
		remnants of three rows are preserved.	



973.24.3303.3. Fragment of leather treadsole. Ventral and dorsal view.

SANDALS

INDEPENDENT PRE-STRAP

SINGLE-LAYER SOLE

CATALOGUE NUMBER 81

<i>ROM Registration: Number</i>	973.24.3299.1	<i>Description</i>
<i>ROM Registration: Group</i>	973.24.3299.1, 2 (2) Cat. No. 122	A single-layer sandal. The sole is rather angular and has no regular shape. It has a rounded heel (with a point in the centre), and a slightly constricted waist that is situated rather far towards the front. From there, the distinctly convex lateral edge curves towards the pointed big toe area. The medial edge is far less convex, resulting in a swayed sandal. The heel has four small holes of unknown function, as well as two scratches close to the edge. The pre-strap was pulled through lengthwise oriented slits that are positioned rather far inwards from the edges. The ends of the double front strap are tied at the dorsal surface of the sole, but it could not be identified exactly how.
<i>Excavation/Field Number</i>	-	
<i>Object</i>	Sandal	
<i>Type</i>	(1) Double Front Strap, Swayed, Undecorated	
<i>Provenance</i>	South-west wall of church 7 above windows	
<i>Date</i>	?	
<i>Measurements</i>	l: 193; w heel: 62.4; w waist: 65.8; w front: 70.7; t: 2.8; w back strap: 12.6; w front strap: 7.5	
<i>Colour</i>	Dark brown	



973.24.3299.1. A nearly complete sandal. Dorsal and ventral view.

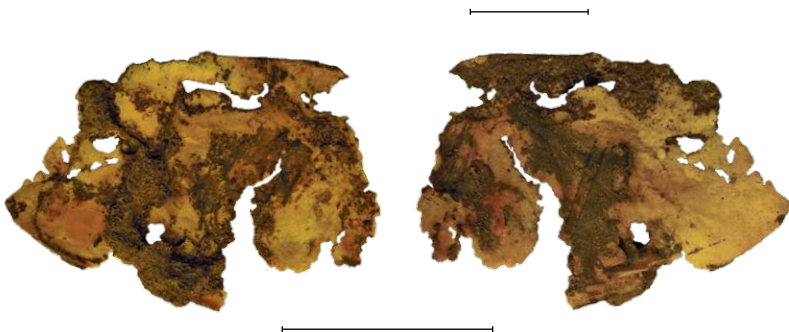
CATALOGUE NUMBER 82

<i>ROM Registration: Number</i>	973.24.3328.1, 2
<i>Excavation/Field Number</i>	-
<i>Object</i>	Pair of sandals
<i>Type</i>	Single Front Strap, Swayed, Undecorated
<i>Provenance</i>	?
<i>Date</i>	?
<i>Measurements</i>	(1) l: 265; w heel: 64.1; w waist: 66.5; w front: 94.2; t: 2.4; w pre-strap: 15.3; w back strap: 7.4-12.3; w front strap: 5.2; 'spacer': 14 x 35.6; (2) l: 178; w back: 72.3; w front: 94.7; w back strap: 9.7; w front strap: 6.2; 'spacer': 17.5 x 32.2; other fragment: 60.2 x 87.3
<i>Colour</i>	White, light brown to brown and dark brown straps.

Description

A pair of sandals, of which the right is complete, but the left sandal is fragmented (the largest part

being roughly the front half). The heel is rounded, and from it, towards the front, the width increases continuously. At the front, the lateral edge is more distinctly convex than the medial edge, resulting in a swayed sole. The sole consists of one layer. The pre-strap was pulled through slits at either side, slightly inwards from the edge of the sole. The back- and heel strap is hitched to the lengthwise oriented slit in the end of the pre-strap. After this, the back straps run towards the front. Shortly before passing through the first transverse slit in the sole (as seen from the back), the two are kept together by being pulled through a decorative 'spacer' (a nicely cut-out piece of leather with two slits through which the straps passes). After passing through the first slit in the sole, they go back through the second slit closer to the front edge – thus the terminal ends are visible at the dorsal surface. This is the only example in which the slits in the sole were positioned one behind the other, rather than next to each other, which is the default.



Above: 973.24.3328.2. Detail of the spacer that keeps the two straps together. Scale bar is 10 mm; Left: 973.24.3328.1, 2. A scrap of the sole. Obverse and reverse.



973.24.3328.1, 2. A pair of sandals. Dorsal and ventral view.

SANDALS

INDEPENDENT PRE-STRAP

MULTI-LAYER SOLE

CATALOGUE NUMBER 83

<i>ROM Registration: Number</i>	973.24.3303.1	l: 135; w 12.1 & l: 270; w: 18.7; (3)
<i>ROM Registration: Group</i>	973.24.3303.1-6 (2) Cat. No. 96 (3) Cat. No. 80 (4)-(6) See forthcoming second volume	l: 145; w: 40.5-67.5; t: 2.6; t (total): 13.1 <i>Colour</i> Dark brown
<i>Excavation/Field Number</i>	-	<i>Description</i> (1) A rather messy sandal, with a sole consisting of an in- and treadsole, which are not exactly of the same shape and dimensions. Both ends are pointed, after which the width increases equally at both sides. The transition between the front and heel part is constricted, thus the sole is straight. The two sole layers are secured by means of the pre-strap and front strap only. The front strap is largely missing, although the part running under the ventral surface of the treadsole is still <i>in situ</i> . The pre-straps are pulled through crescent-shaped slits on both sides and inwards from the edge. They are positioned rather far towards the front. The heel- and back straps are hitched to the single slits in the terminal ends.
<i>Object</i>	Sandal	
<i>Type</i>	Pre-Strap through Slits, Double Front Strap, Straight, Undecorated	
<i>Provenance</i>	Trench 7/104-60	
<i>Date</i>	Late Christian/Ottoman (after 1100 AD based on Qasr Ibrim's examples published by Veldmeijer, 2012).	
<i>Measurements</i>	(1) l: 240*; w heel: 72; w waist: 82.6; w front: 76.8l t: 7.6; w pre-strap: 13.5; w back-strap: 11.7; (2)	

CATALOGUE NUMBER 84

<i>ROM Registration: Number</i>	973.24.2967.1	<i>Measurements</i> (1) l: 200; w heel: 67; w waist: 78.8; w front: 86.4; t: 5.7; w pre-strap: 26.5; w back- and front strap: 5.9
<i>ROM Registration: Group</i>	973.24.2967.1, 2 (2) Cat. No. 79	<i>Colour</i> Brown
<i>Excavation/Field Number</i>	-	<i>Remarks</i> The label reads: "trench 7 section 1. find by straightening the trench 13.2.65"
<i>Object</i>	Sandal	<i>Description</i> (1) A largely complete sandal, missing only part of the heel (mostly due to wear). The waist is only very slightly constricted; towards the front the width increases
<i>Type</i>	Pre-Strap through Slits, Double Front Strap, Straight, Undecorated	
<i>Provenance</i>	?	
<i>Date</i>	Late Christian/Ottoman (after 1100 AD based on Qasr Ibrim's examples published by Veldmeijer, 2012).	



Top left: 973.24.3303.1. Complete sandal. Dorsal and ventral view; Top right: 973.24.2967.1. A nearly complete sandal. Dorsal and ventral view; Right: Construction of the pre-strap.

slightly on both sides, resulting in a rounded front and a straight sole. On either side of the insole, the pre-strap was pulled through a slit slightly inwards from the edge. The treadsole, however, has four slits through which the pre-straps were pulled: in doing so, the larger part of the pre-strap became sandwiched between the in- and treadsole. The pre-strap has lengthwise slits in its terminal

ends. The back straps were pulled through and secured from slipping with knots. One end is repaired with an isolated stitch. The back straps run towards the front of the sandal and also make up the double front strap. The straps are rather messy, with several knots and other obstructions. Note the four paired stitch holes at the front edge of the sole layers, the function of which is unclear.

CATALOGUE NUMBER 85

ROM Registration: Number 973.24.2962
Excavation/Field Number -
Object Sandal
Type Pre-Strap through Slits, Double Front Strap, Straight, Undecorated
Provenance ?
Date Late Christian/Ottoman (after 1100 AD based on Qasr Ibrim's examples published by Veldmeijer, 2012).
Measurements l: 265; w heel; appr. 108; w waist: 92.4; w front: 104.7; t: 2.7; w back strap: 12.3; w front strap: 11.2
Colour Brown

Remarks Label: "House 101. Out of wall found while [illegible] house". Cf. Veldmeijer (2012).

Description
 A largely complete sandal, with two sole layers. The large heel is rounded. The waist is relatively far forward and gently but distinctly constricted. Towards the front, both sides increase in width equally, ending in a pointed front. The sole is straight. Four slits accommodate the pre-strap and there are two slits for the double front strap. The straps secure the sole layers – they are messy, showing several knots, some of which are repairs whereas others were used to lengthen the straps.



973.24.2962.1. A nearly complete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 86

<i>ROM Registration: Number</i>	973.24.2969
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal
<i>Type</i>	Pre-Strap through Slits, Double Front Strap, Straight(?), Undecorated
<i>Provenance</i>	?
<i>Date</i>	Late Christian/Ottoman (after 1100 AD based on Qasr Ibrim's examples published by Veldmeijer, 2012).
<i>Measurements</i>	l: 237; w heel: 69.5; w waist: 81.7; w front: 88.8; t: appr. 4.8; w front strap: 14.2
<i>Colour</i>	Brown to dark brown

Description

A nearly complete sandal, but with most of the straps missing. The sole, which shows a slight, unintentional(?) curvature, consists of two layers that are secured by the double front strap being pulled through two slits. An additional heel was added, which is held in place because the leather was cut twice at either side and the part in between these cuts is pulled through the slits in the in- and treadsole (arrow). Judging from the front strap, the surface with the additional heel is the dorsal surface of the sandal, but judging from the back strap (*if* the additional heel also makes up this part of the strap complex) this would be the ventral surface of the sole. A comparable repair was observed in asw-1228c from Qasr Ibrim (Veldmeijer, 2012: 66).



973.24.2969. A nearly complete sandal. Dorsal and ventral view.

CATALOGUE NUMBER 87

<i>ROM Registration: Number</i>	973.24.2954.2, 3	74.5; t: 1.7, 4.6; (3) 72.6 x 88.3; t:
<i>ROM Registration: Group</i>	973.24.2954.1-7	1.3
	(1), (4)-(7) See forthcoming second volume	<i>Colour</i> Brown
		<i>Remarks</i> Fragment (2) has an exact parallel with cam-1276 from Qasr Ibrim, which could not be classified (Veldmeijer, 2012: 206, 231).
<i>Excavation/Field Number</i>	-	
<i>Object</i>	Sandal fragments	
<i>Type</i>	(2) Pre-Strap through Slits, Undecorated; (3) Unidentified	<i>Description</i>
<i>Provenance</i>	?	(2) The incomplete heel part of a sandal, which consists of two layers. At the start of the heel are two slits and, at either side, two semi-circular holes for the reception of the pre-strap (remnants are still <i>in situ</i>). The waist is extremely constricted.
<i>Date</i>	Late Christian/Ottoman (after 1100 AD based on Qasr Ibrim's examples published by Veldmeijer, 2012).	(3) A small piece of the front of a sandal, including one hole for the front strap.
<i>Measurements</i>	(2) l: 180; w heel: 88.8; w at pre-strap: 81.2; w waist: 34.5; w 'front':	

2



3



973.24.2954.2. Heel part of a sandal. Dorsal and ventral view; 973.24.2954.3. Fragment of the front of a sandal. Dorsal and ventral view.

CATALOGUE NUMBER 88

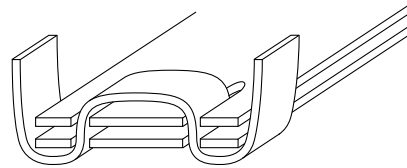
<i>ROM Registration: Number</i>	973.24.3372
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal
<i>Type</i>	Pre-Strap through Slits, Double Front Strap, Straight(?), Undecorated
<i>Provenance</i>	?
<i>Date</i>	Late Christian/Ottoman (after 1100 AD based on Qasr Ibrim's examples published by Veldmeijer, 2012).
<i>Measurements</i>	l: 285; w heel: 88.7; w waist: 83.4; w front: 101.6; t: 7.7; w pre-strap: 13.2; w back strap: 11.4; w front strap: 9.6
<i>Colour</i>	Brown to dark brown
<i>Remarks</i>	Label reads: "100G"
<i>Description</i>	An incomplete sandal, missing parts of the heel as well as of the front half. In addition, the straps are incomplete as parts of the back straps are missing. From the rounded heel towards the front half the width increases but only slightly. Note the rather an-

gular sole edge. Ventral to the insole is an incomplete 'treadsole', consisting of several patches of leather. These seem to have been repair patches rather than the remaining parts of an entire sole layer lost due to wear. The patch at the front also has slits, which suggests that it is a re-used piece of sandal. All patches are secured with the straps only; there are no stitches. The pre-strap was pulled through slits at either side of the insole, slightly inwards from the sole's edge. Of note, this was done in the opposite fashion to the standard way (in which it runs under the sole layer and emerges from the slits at the dorsal surface). Here, it runs along the dorsal surface and emerge from the slits at the ventral surface of the sole. The square ends of the straps each have one slit lengthwise for the attachment of the back (and heel?) straps. Most likely the back straps were secured to the double front strap by looping. Just posterior to this attachment, the straps are made into a messy and complicated knot, suggesting the strap broke and was repaired. The front strap is secured at the ventral surface of the sole by using both ends, but exactly how could not be determined.

CATALOGUE NUMBER 89

<i>ROM Registration: Number</i>	973.24.2675.1-10
<i>Excavation/Field Number</i>	63:3:245
<i>Object</i>	Sole and fragments
<i>Type</i>	Pre-Strap through Slits, Single Front Strap, Swayed, Decorated Sole
<i>Provenance</i>	Cemetery 3, Tomb 73
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	(1) l: 240; w heel: 66.3; w waist: 67.8; w front: 88.7; t: 10.7; (2) l: 61.6; w: 50.2-52.1; t: 5.9; (3) l: 101; w: 89; t: 7.6; (4) 92 x 51; (5) 90.4 x 35.5; (6) 73.5 x 64.4; (7) 70 x 48.5; (8) 62.4 x 29.4; (9) l: 37.9; w: 7.4; t: 4.5; (10) Various, not measured
<i>Colour</i>	Dark brown, black
<i>Remarks</i>	Tomb Card 6

Description
A pair of sandals; the right one is fairly complete but the left one is in several fragments. Fragments (1) and (2) fit together, forming the right sandal. Fragments (4)-(8) probably join with (3), forming the left sandal. It is not certain from which sandal fragments (9) and (10) originate.
(1) The heel is rounded and the waist only vaguely constricted. Towards the front the sole increases in width, with the lateral edge running into a distinct curvature towards the pointed toe. Since the medial edge is far less convex, the sole can be seen as swayed. The two sole layers are secured along the edges with two rows of short, but widely spaced running stitches. The rows of stitches are flanked by an impressed line, which is especially well visible at the medial side of the sandal. The pre-strap, remnants of which can be seen with (10), is not preserved *in situ*, but was pulled through slits in the insole thus sandwiching the central part of the pre-



973.24.3372. A nearly complete sandal. Dorsal and ventral view; Right: Diagram of the pre-strap construction.

strap between the in- and treadsole. The front strap was pulled through two transverse slits that are positioned one after another. The front strap is not preserved *in situ*, but the hole through which it ran is clearly visible in high relief on the insole. Note the clear impressions on the insole, which is caused by the foot of the owner.

(2) Part of the front of fragment (1).

(3) Part of the front of the left sandal (see fragment (1) for a detailed description). The hole through which the front strap ran, from the first to second transverse slit, is even more distinct than in the right sandal (particularly obvious is the upwards curl of the edges due to the upwards pulling of the strap). Note the strange orientation of the two rows of stitching, which run into each other (arrow). This is clearly a mistake, as fragment (2) shows that there were meant to be two rows parallel to each other.

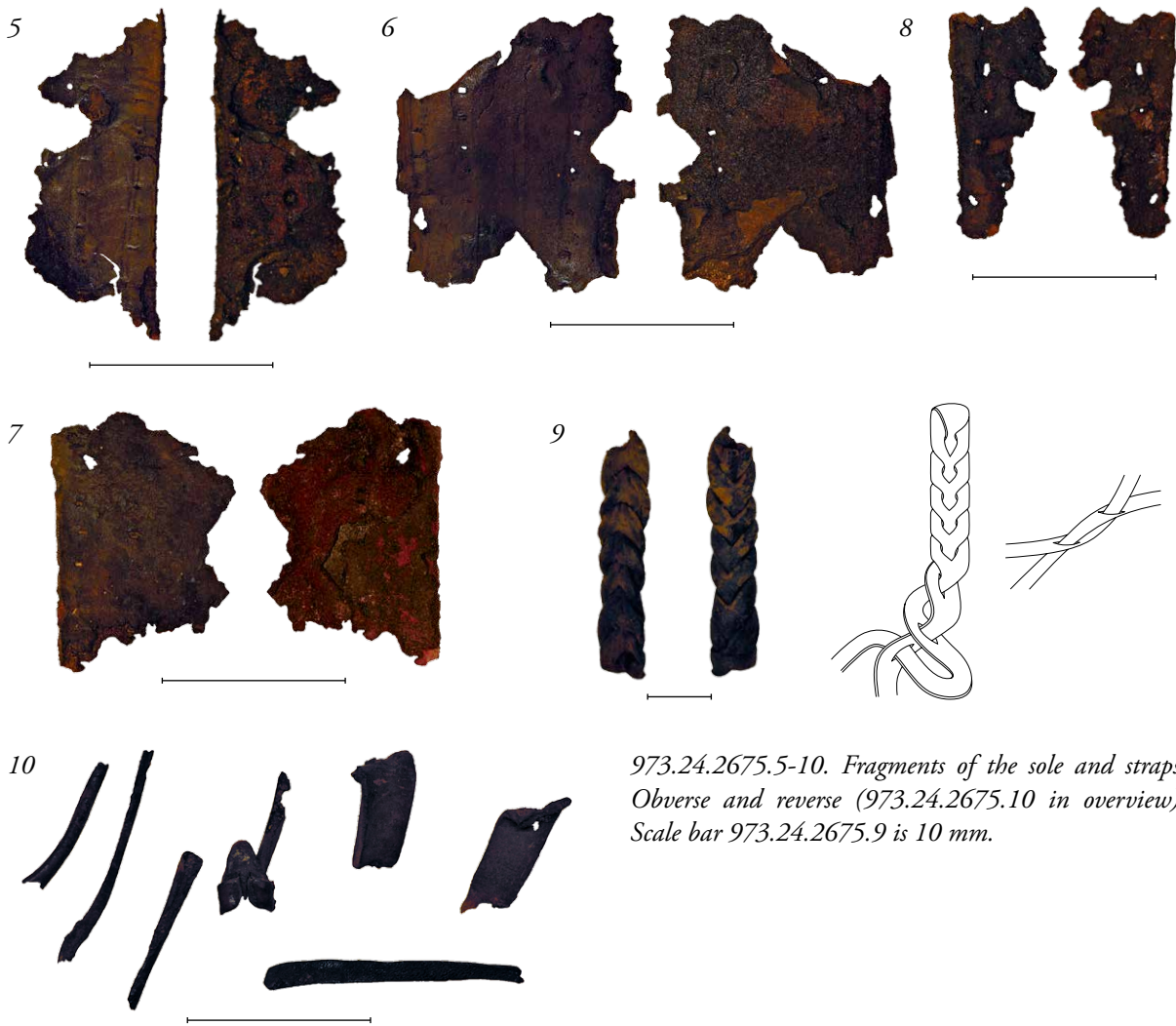
- (4) Two crescent-shaped fragments of in(?)sole, showing stitch holes.
- (5) Roughly rectangular edge fragment of insole, including two rows of stitches. The lines flanking the rows are clearly visible.
- (6) An irregularly-shaped fragment of insole, showing three rows of stitch holes. In between these are two impressed, parallel decorative lines. This decoration is not visible in the more complete fragments, but this might be due to the bad preservation. The width suggests that the fragment was part of the front (and thus of the left sandal because the right one is complete).
- (7) A nearly square fragment of insole, showing one row of stitches.
- (8) An irregularly-shaped fragment of sole, with remnants of stitch holes.

(9) A short strap in the slit/pull technique. Possibly, it is part of the front strap, as the attachment area of the back strap (see fragment (10)) shows that, at least this part, consisted of a simple strip of leather.

(10) Various pieces of the straps. The most important fragment is the triangular terminal end of the pre-strap with two slits, situated lengthwise, to which the back (and/or heel?) strap was hitched.



973.24.2675.1. The incomplete right sandal. Dorsal and ventral view. With a diagram of the front- and back strap construction (top and bottom respectively); 973.24.2675.2-4. Fragments. Dorsal and ventral view.



973.24.2675.5-10. Fragments of the sole and straps. Obverse and reverse (973.24.2675.10 in overview). Scale bar 973.24.2675.9 is 10 mm.

CATALOGUE NUMBER 90

<i>ROM Registration: Number</i>	973.24.672
<i>Excavation/Field Number</i>	64:1:332
<i>Object</i>	Sandal
<i>Type</i>	Pre-Strap through Slits, Single Front Strap, Swayed, Decorated Sole
<i>Provenance</i>	Cemetery 3, Tomb 775;
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	l: 110.5; w heel: 32.5; w waist: 32.8; w front: 41.9. t: 5.3. w pre-strap: 9.2; w back strap: 4.8
<i>Colour</i>	Dark brown, black
<i>Remarks</i>	Tomb Card 2. Cf. Montebault (2000: 98-99)

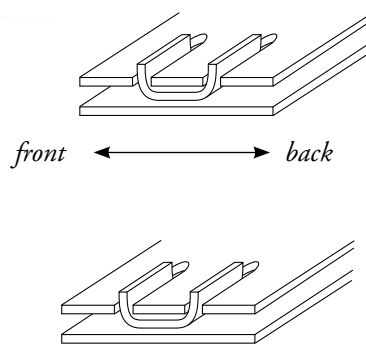
Description

A child sandal with a two-layer sole, which has a rounded heel and only a slightly constricted waist.

From here, the width increases continuously towards the front. At the front half the lateral edge expands outwards more rapidly than the slightly convex medial edge, resulting in a pronounced big toe area (swayed sole). The insole is decorated with incised lines: at the heel two sets of diagonal lines cross each other and in the centre of the sole there is a set of two lengthwise lines and several deeper diagonal lines. Furthermore, two parallel lines follow the edge of the sole. The pre-strap is a strip of leather that is pulled through slits on both sides of the heel. Note that it is substantially narrower where it emerges from the slit (arrow). It has two slits that are positioned lengthwise at its terminal ends to which the heel- and back straps are hitched. These heel- and back straps are made of a lengthwise folded strip of leather. They run towards the front of

the sandal, where they are inserted into a transverse slit in the insole and emerge again, also from a transverse slit, slightly closer to the front edge of the sandal. Here, an overhand knot prevents any slipping. Shortly before the straps enter into the first slit (seen from the

back), there is a spacer to keep the left and right strap together. Possibly, the ends of the strap returning from the second insole slit were secured in this system too, but because the ends hang loose on the sandal, it is not exactly clear how this was done.



973.24.672. Complete right child sandal. Dorsal and ventral view. With a diagram of the front- and back-strap construction (top and bottom respectively); Below: Detail of the front and heel respectively. Scale bars are 10 mm.



CATALOGUE NUMBER 91

<i>ROM Registration: Number</i>	973.24.2759.1, 2
<i>Excavation/Field Number</i>	63:4:122
<i>Object</i>	Pair of sandals
<i>Type</i>	Pre-Strap through Slits, Single Front Strap, Swayed, Decorated Sole
<i>Provenance</i>	Cemetery 3, Tomb 207
<i>Date</i>	Late or Post-Meroitic (c. 350-650 AD)
<i>Measurements</i>	(1) l: 230; w heel: 60.1; w waist: 59.7; w front: 67.3; w max.: 75.6; t: 5.4; d back- and heel strap: 3.7 x 5.1; w pre-strap: 12.7; (2) l: 235; w heel: 64.9; w waist: 61.6; w front: 73.1; w max.: 81.6; t: 6; d back- and heel strap: 4-4.5; w pre-strap: 13.2
<i>Colour</i>	Brown
<i>Remarks</i>	Tomb Card 2

Description

A pair of complete sandals in good condition. The heel is elongated and rounded; the waist is only slightly constricted. Towards the front, the lateral edge is much more convex and curves more distinctly towards the notched front of the sandal than the medial edge, resulting in a swayed sole. The orientation is further indicated

by the slightly isolated big toe. The sole consists of two layers and is fairly thick (at some spots, there seems to be a third layer, but this 'additional' layer is caused by the splitting of the leather thickness). The layers are secured along the edge and with one row of stitches lengthwise down the centre. The stitches are not visible on the dorsal surface of the insole, but 'running stitches' are visible on the ventral surface of the treadsole. This means that to secure the layers, tunnel stitches must have been used. The dorsal surface of the insole is enhanced with stamped zigzag motifs along the edge (one row with horizontally orientated motifs) as well as with short, diagonal rows of zigzag motifs in a 'V' shape in the centre. The pre-strap was pulled through slits in the insole (and is thus sandwiched between the in- and treadsole). The back- and heel straps are hitched to the two slits. After the hitch, the straps are folded lengthwise. Towards the front, shortly before the left and right strap were inserted into the second slit (seen from the front of the sandal), the two were tied together by pulling them through a folded piece of leather with a slit (thus acting a spacer; cf. 973.24.2737, Cat. No. 76). After being pulled through the second slit, they emerge from the first slit, being secured from slipping with an overhand knot. Note the strange angle of the straps through the leather from one slit to the other.

CATALOGUE NUMBER 92

<i>ROM Registration: Number</i>	973.24.2893.1
<i>ROM Registration: Group</i>	973.24.2893.1, 2 (2) Cat. No. 99
<i>Excavation/Field Number</i>	63:4:351
<i>Object</i>	Sandal
<i>Type</i>	Pre-Strap through Slits, Single Front Strap, Swayed, Decorated(?) Sole
<i>Provenance</i>	Cemetery 3, Tomb 372
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	(1) l: 260; w heel: 72.8; w waist: 66; w front: 91.6; t: 5.5; w pre-strap: 15.3-18.1; w back strap: 18.1; w front strap: 7.4
<i>Colour</i>	Dark brown

Remarks Tomb Card 5. Sandal (1) is the same as 973.24.2939 (1) (Cat. No. 94) except that this is a right sandal and sandal (1) is a left one. Moreover, the measurements are quite comparable too. This suggests that the sandals actually were a pair originally.

Description

(1) A complete left sandal. The lateral pre-strap has become detached but is still present. The heel is rounded, and the waist is delicately constricted, after which the width increases in size towards the front. The lateral edge, however, is much more convex and curves distinctly towards the big toe area – since the



973.24.2759.1, 2. Pair of complete sandals. Dorsal and ventral view. With a diagram of the front- and back strap construction (top and bottom respectively).



973.24.2759.2. Above: Detail of the attachment area of the back- and heel strap to the pre-strap; Right: Detail of the front strap construction, including the spacer (arrow). Scale bars are 10 mm.

medial edge is far less convex, the sandal can therefore be described as swayed. The sole consists of two layers that are secured with an extreme version of running stitches along the edge and two rows running lengthwise down the centre. Impressed lines at either side mark the stitch rows, which might have been caused by the stitching itself. Note the small piece of narrow leather thong sticking out of the dorsal surface of the insole (on the lateral side), which seems to be

a piece of stitching thong sticking out. The pre-strap was pulled through slits in the insole and the rounded terminal ends have three slits for the reception of the back- and heel strap. At the front, the straps were pulled through a transverse slit and emerge from a second slit slightly closer to the edge, where it might have been secured from slipping although there is no evidence for this.

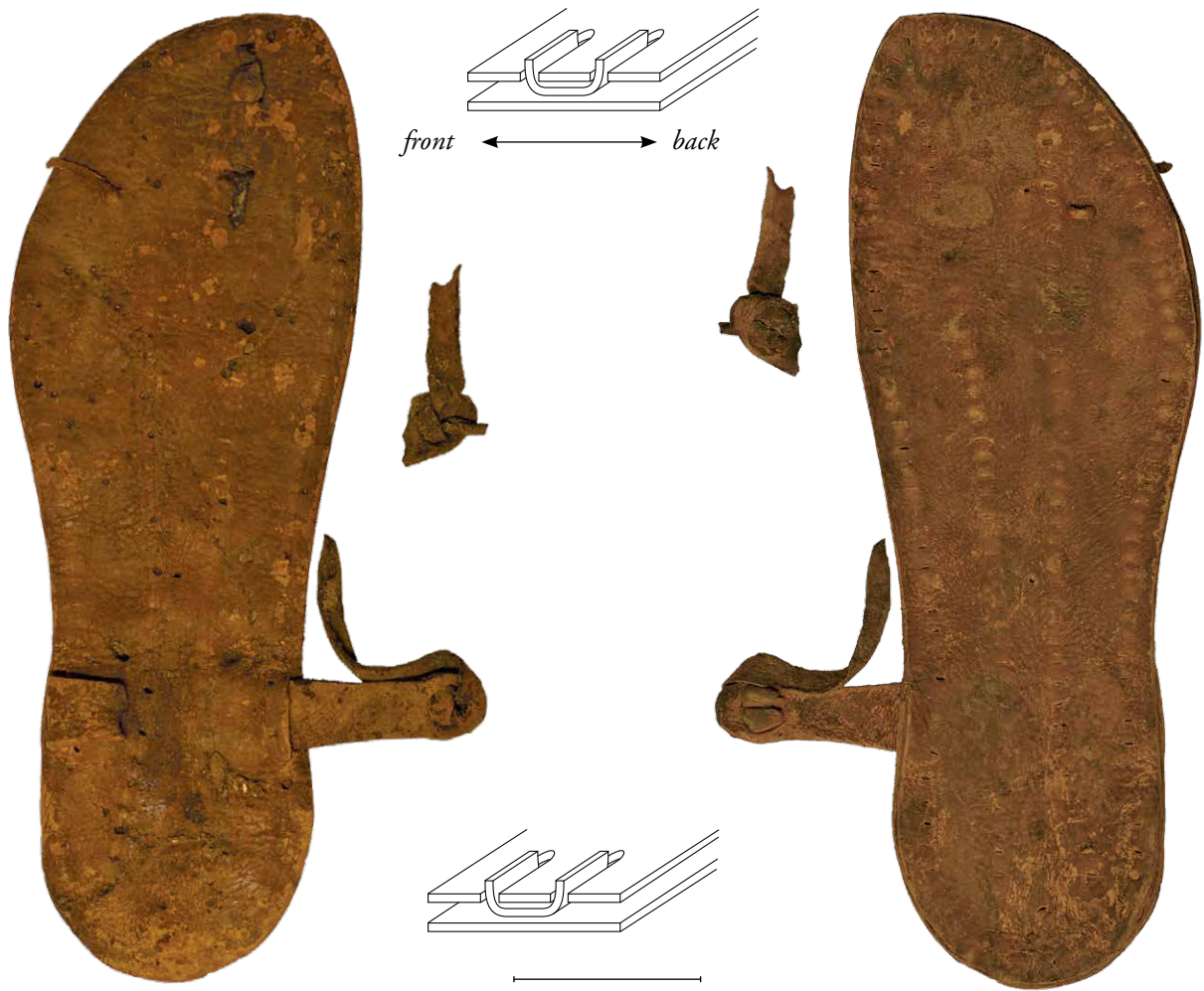
CATALOGUE NUMBER 93

ROM Registration: Number 973.24.2942.1-4
Excavation/Field Number -
Object Pair of sandals with strap fragments
Type Pre-Strap through Slits, Single Front Strap, Swayed, Decorated(?)
 Sole
Provenance ?
Date ?
Measurements (1) l: 255; w heel: 75.8; w waist: 74.2; w front: 96.8; t: 7.7; w pre-strap: 19; w back strap: 4.5; (2) l:

260; w heel: 75.4; w waist: 73.6; w front: 93.1; t: 6.9; w pre-strap: 14.2-17.4; w back strap: 4.6; (3) l: 85.8; w: 10.8; t: 6.8; (4) Various
Colour Brown

Description

(1) & (2) For a detailed description, see 973.24.2893.1 (Cat. No. 92). The sole of the sandals consists of three layers, rather than two, as seen in other comparable sandals. The left one is less well preserved, although the straps are largely complete and *in situ*. Large parts

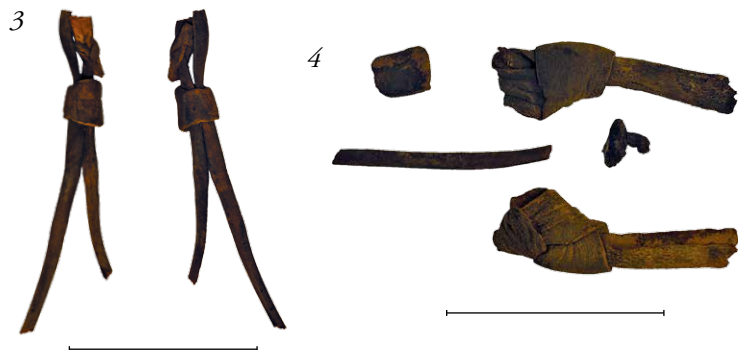


973.24.2893.1. A largely complete sandal. Dorsal and ventral view. With a diagram of the front- and back strap construction (top and bottom respectively).

of the straps of the right sandal have detached but are still present. The front strap, pulled through two transverse slits (one behind the other), was secured from slipping by tying the two ends into a knot on the dorsal surface of the insole. Note the slightly more pronounced terminal end of the pre-strap in the left sandal.

(3) A fragment of the straps (probably of the right sandal) including the spacer to keep the two straps together. One end of one of the straps shows a slit/pull attachment to another strip.

(4) Several small scraps of straps, including a spacer. One, consisting of a relatively wide strip, is knotted; its function within the strap complex is uncertain.



973.24.2942.3, 4. Fragments of straps. Obverse and reverse. Three small scraps in overview only. The overview of 973.24.2942.1, 2 can be found on the following page.

973.24.2942.1, 2. A pair of complete sandals. Dorsal and ventral view. With a diagram of the front- and back strap construction (top and bottom respectively).



CATALOGUE NUMBER 94

ROM Registration: Number 973.24.2939.1-3
Excavation/Field Number -
Object Sandals and fragments
Type Pre-Strap Through Slits, Single Front Strap, Swayed, Decorated(?) Sole
Provenance Cemetery 3, Tomb 372(?)
Date Late Meroitic (c. 350-400 AD)(?)
Measurements (1) l: 268; w heel: 74.9; w waist: 68.1; w front: 93.3; t: 6.1; w pre-strap: 16.9-21; w back- and heel strap: 10.4; w front strap: 7.8; (2) l: 129.2; w: 80.6; (3) 80.7 x 131.9
Colour Brown
Remarks 973.24.2939.1 is the same as 973.24.2893 (Cat. No. 92) except

that this is a left sandal and (1) is a right one. Moreover, the measurements are quite comparable too. This suggests that the sandals actually were a pair originally, hence the information of the provenance and date.

Description

(1) See 973.24.2893.1 (Cat. No. 92) for the detailed description. The holes are caused by post-depositional circumstances.
 (2) Featureless fragment with edges.
 (3) Featureless fragment (no edges preserved) that fit with 973.24.2939.2.



973.24.2939.1. A largely complete sandal. Dorsal and ventral view. With a diagram of the front- and back strap construction (top and bottom respectively).

2



3



973.24.2939.2, 3. Featureless fragmens. Obverse and reverse.

CATALOGUE NUMBER 95

<i>ROM Registration: Number</i>	973.24.2974.1-4
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sole and fragments
<i>Type</i>	Pre-Strap through Slits, Single Front Strap, Swayed, Decorated Sole
<i>Provenance</i>	Cemetery 3, tomb 8a #1
<i>Date</i>	?
<i>Measurements</i>	(1) l: 130; w heel: 41.2; w waist: 28.5; w front: 50.2; t: 6.3; (2.1) l: 32.6; w: 33.6-38.8; t: 5.6; (2.2) l: 31.0; w: 36.6; t: 5.3; (3) l: 39.5; w: 15.1; l: 34.1; w: 14.4; l: 32.2; w: 15.5; t of all: 1.1; two with square hole: 12.8 x 13.5 & 28.5 x 33.9; t: 1.2
<i>Colour</i>	Dark brown, black
<i>Remarks</i>	Cf. Montebault (2000: 108-109)
<i>Description</i>	

(1) A nearly complete sandal, lacking only the front most tip. The heel is rounded and the waist gently constricted. The lateral edge widens a bit more distinctly than the medial one, resulting in a swayed

sole. Note the notch at the medial edge. The sole consists of two layers that are secured along the edge with leather thong running stitches. A row of comparable stitches runs lengthwise down the centre from the front to about halfway through the length. The dorsal surface is enhanced with impressed lines flanking the rows of stitching. Additional lines, in sets of two, make 'X' motifs: at the front half there are two sets, but at the heel there is only one. One transverse slit for the front strap is still present; probably there was another one closer to the front edge, but it is not preserved. The pre-straps are torn at the edge, but enough is preserved to show that the strap was sandwiched between the in- and treadsole and emerged from the edge rather than from slits in the insole.

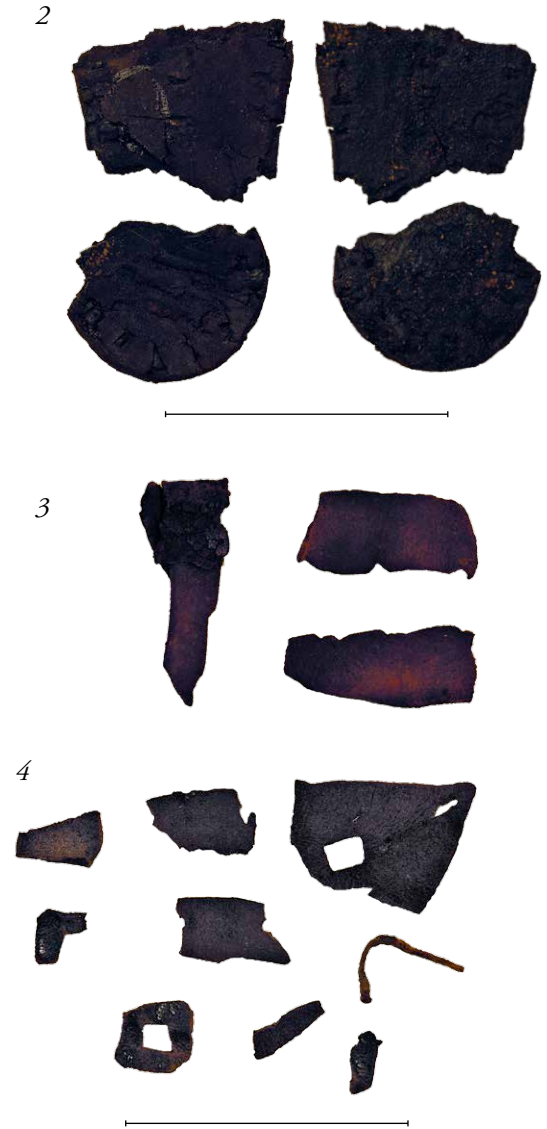
(2.1) and (2.2) are two pieces of sole that fit together. It is the same as described for (1).

(3) Featureless pieces of strap(?).

(4) Various fragments, including possible pieces of sole and strap. Most remarkable are the two fragments with square holes; possibly, these are part of the straps, but if so, they have not been seen before.



973.24.2974.1. An incomplete sandal. Dorsal and ventral view; 973.24.2974.2. Two fragments of sole. Dorsal and ventral view; 973.24.2974.3, 4. Small fragments. Overview.



SANDALS

UNIDENTIFIABLE

CATALOGUE NUMBER 96

ROM Registration: Number 973.24.3303.2
ROM Registration: Group 973.24.3303.1-6
 (1) Cat. No. 83;
 (3) Cat. No. 80;
 (4)-(6) See forthcoming second volume

Excavation/Field Number -

Object Fragments
Type Unidentified
Provenance Trench 7/104-60
Date ?
Measurements (2) l: 135; w 12.1 & l: 270; w: 18.7
Colour Dark brown
Description
 (2) Two pieces of strap, one of which has two slits lengthwise down the centre.



973.24.3303.2. Strap fragments. Overview.

CATALOGUE NUMBER 97

ROM Registration: Number 973.24.2670.1-3
Excavation/Field Number 63:2:179

Object Sole and strap fragments
Type Unidentified
Provenance Cemetery 1, Tomb 54
Date Post-Meroitic (c. 400-650 AD)
Measurements (1) l: 238; w back: 126; w front: 6.2; t: 5; (2) 85 x 90; (3) Varies from 21.5 x 40 x 8.5 to 28.8 x 55 x 10.7; w strip: 12.5
Colour (1), (2) Dark brown; (3) Black
Remarks Tomb Card 6

Description
 (1) The fragment of a sole (largely complete heel and part of the waist-area), consisting of two layers. The layers are secured with two rows of wide but evenly-spaced running stitches of narrow leather thong. The stitches themselves are small on both sides. Decoration enhances the dorsal surface of the insole, but the design is no longer identifiable.
 (2) An irregularly-shaped piece of leather; that it is the front part of a sandal (same as (1)?), is suggested by the hole in one end. The edges of this hole protrudes from the surface on one side of the fragment,

which is due to the pulling of the front strap (arrows). The fragment is slightly curved lengthwise, which is most likely due to post-depositional circumstances. Note the striped appearance of both surfaces, which seems to be due to the deterioration of the leather but if so, no parallels are known to the author.

(3) Six pieces of knotted straps. Two are the attachment areas of a back strap to the front straps (arrows in the figure). Two narrow fragments are pieces of a front strap. The remaining two might be the attachment areas of a back strap to a pre-strap, but this remains uncertain.

1



2



3



973.24.2670.1. Heel part. Dorsal and ventral view;
973.24.2670.2. Small fragment of sole. Dorsal
and ventral view; 973.24.2670.3. Strap fragments.
Overview.

CATALOGUE NUMBER 98

ROM Registration: Number 973.24.2688
Excavation/Field Number 63:4:1
Object Strap
Type Unidentified (Regular Type I)
Provenance Cemetery 3, Tomb 165
Date Late to Post-Meroitic continuum
 (Late Meroitic is c. 350-400 AD);
Measurements l: appr. 160; w total: appr. 80; w
 strip: 8.5-16.7
Colour Dark brown
Remarks Tomb Card 4
Description
 Regular Type I strap attachment area of the back strap
 to the front strap.



973.24.2688. Strap. Dorsal view.

CATALOGUE NUMBER 99

ROM Registration: Number 973.24.2893. 2
ROM Registration: Group 973.24.2893.1, 2
 (1) Cat. No. 92
Excavation/Field Number 63:4:351
Object Sole
Type Unidentified
Provenance Cemetery 3, Tomb 372
Date Late Meroitic (c. 350-400 AD)
Measurements (2) l: 270; w heel: 75.3; w waist: 80;
 w front: 103; t: 2.8
Colour Dark brown
Remarks Tomb Card 5
Description
 A near-complete sole layer (right foot), which
 clearly differs from all other material described.

The sole has a rounded heel, very slightly constricted waist and is increasing in width towards the front (the lateral edge being much more convex than the medial edge). The front ends in a narrow extension, which reminds us of the curled-toe extension in certain Pharaonic shoes (Veldmeijer, 2009e). However, in the piece described here this extension is integrally cut from the sole's leather, rather than a separate piece, as it is in the earlier shoes. Possibly, this element was used as an additional attachment of this sole layer to the rest of the sandal or shoe. The stitch holes along the edge of the dorsal surface only suggest the sole was attached with tunnel stitches.



973.24.2893.2. A nearly complete sole. Dorsal and ventral view.

CATALOGUE NUMBER 100

ROM Registration: Number 973.24.2788
Excavation/Field Number 63:3:118
Object Sole fragments
Type Unidentified
Provenance Cemetery 3, Pyramid 1
Date Late Meroitic (c. 350-400 AD)
Measurements l: 80.3; w: 60.4; t: 3.8 & l: 36; w: 26.3
Colour Dark brown
Remarks Tomb Card 1
Description
 Two edge fragments of a sandal's sole, with an impressed line along the edge to enhance the surface.

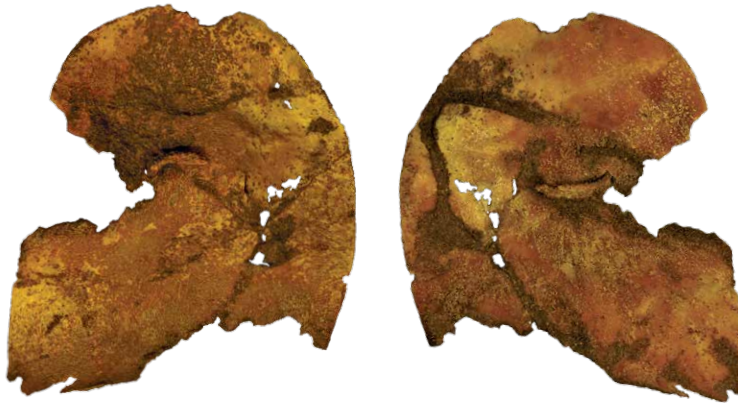


973.24.2788. Two small sole fragments. Dorsal and ventral view.

CATALOGUE NUMBER 101

<i>ROM Registration: Number</i>	973.24.2946.1-4	<i>Remarks</i>	Several featureless scraps are not described or photographed.
<i>Excavation/Field Number</i>	-		
<i>Object</i>	Sole fragments	<i>Description</i>	
<i>Type</i>	Unidentified	(1) The front part of a sandal with a double front strap (ventral part still <i>in situ</i>).	
<i>Provenance</i>	?	(2) The front edge of a sandal, with one hole for the front strap. The fragment is, however, too incomplete to identify if it had a single or double front strap.	
<i>Date</i>	?	(3) An irregularly shaped, featureless sole fragment.	
<i>Measurements</i>	(1) l: 127; w: 98.1; t: 2.1; d front strap: 3.6 x appr. 5; (2) l: 125; w: 95; t: 1.9; (3) l: 53.8; w: 79.1; t: 1.7; (4) l: 58.1; w: 49.5; t: 2	(4) An irregularly shaped, featureless sole(?) fragment.	
<i>Colour</i>	Light brown to brown		

1



3



2



4



973.24.2946.1-4. Several small sole fragments. Dorsal and ventral view.

CATALOGUE NUMBER 102

<i>ROM Registration: Number</i>	973.24.2947
<i>Excavation/Field Number</i>	-
<i>Object</i>	Sandal
<i>Type</i>	Unidentified
<i>Provenance</i>	350, room D. Islamic burial
<i>Date</i>	Islamic
<i>Measurements</i>	l: 158; w heel: 41.3; w waist: 49; w front: 63.5; t: 1.8; w heel- and back straps: 2.2
<i>Colour</i>	Brown

Description

A coarsely made sandal of thin leather. The single layer sole has a rounded heel and slightly constricted waist, from which the width increases towards the front. This is especially so for the lateral edge at the front due to which it makes a strong curve towards the

big toe area. The medial edge, although convex from the waist onwards, runs straight towards the toe – thus the sandal can be said to be swayed. Long slits (which are no more than cuts and seemingly not made for the current straps) are at the heel, slightly inwards from the edge. These accommodate the back- and heel strap that are attached by means of hitching. The back strap runs into the front to equally long slits for the reception of the double front strap. Note the reef knot to repair the broken back strap. The exact construction of the front strap and its link to the back strap is unclear, since the other part of the strap complex is not preserved. It is not clear whether it is a left (with the grain side of the leather as dorsal surface) or right sandal (in which case the flesh side would be the dorsal surface).



973.24.2947. A nearly complete sole, with a diagram of the reef knot. Dorsal(?) and ventral(?) view.

CATALOGUE NUMBER 103

<i>ROM Registration: Number</i>	973.24.2955.1	<i>Colour</i>	Brown
<i>ROM Registration: Group</i>	973.24.2955.1-4 (2)-(4) See forthcoming second volume	<i>Description</i>	An incomplete sandal. It is made of re-used leather, judging by the large leather thong stitches at one edge and the additional leather at the slit for the pre-strap at the opposite side. The heel is incomplete, as is the front part. Two slits, located lengthwise on either side and slightly inwards from the edge, were meant for the reception of the pre-straps (now lost). At the front are two slits for reception of the double front strap.
<i>Excavation/Field Number</i>	-		
<i>Object</i>	Sole fragment		
<i>Type</i>	Unidentified		
<i>Provenance</i>	?		
<i>Date</i>	?		
<i>Measurements</i>	l: 190; w heel: not measured; w waist: 83.9; w front: 68.5; t: 2.2		



973.24.2955.1. An incomplete sole, which is made of re-used shoe leather. Dorsal(?) and ventral(?) view.

CATALOGUE NUMBER 104

<i>ROM Registration: Number</i>	973.24.2956.1	<i>Type</i>	Unidentified
<i>ROM Registration: Group</i>	973.24.2956.1-3 (2)-(3) See forthcoming second volume	<i>Provenance</i>	?
<i>Excavation/Field Number</i>	-	<i>Date</i>	?
<i>Object</i>	Sole fragment	<i>Measurements</i>	l: 203; w back: 54.2; w front: 102.8; t: 2.8; w front strap: 6.4
		<i>Colour</i>	Light brown

Description

An incomplete sandal that lacks the heel and part of the waist. Further damage consists of a big hole and missing parts of the edge. The straps are incomplete, but one side of the double front strap is still *in situ*,

showing that it was secured at the ventral surface with an overhand knot. The end at the dorsal surface has an overhand knot too. Two small scraps of strap are detached, but not numbered separately.



973.24.2956. Incomplete sole (with the diagram of the knot). Dorsal and ventral view.

CATALOGUE NUMBER 105

ROM Registration: Number 973.24.3324.1-3
Excavation/Field Number -
Object Sole and strap fragments
Type Unidentified
Provenance Cemetery 3, Tomb 836
Date ?
Measurements (1) l: 41.8-70; w: 4.7-10.7; (2) l: 94.1; w total: 24.1-46.3; w strip: 13.2; t (max.): 10.5; (3) l: 99.4; w: 95.7; t: 2.1
Colour White, light brown to brown, dark brown straps
Remarks Tomb Card 8. Two featureless scraps are not described or photo-

graphed. At the ventral surface of (3) is written, in pencil, "4 [in a square] 242 9 [in square].

Description

(1) The rounded front part of a sandal with a double front strap. Poorly preserved.
(2) Pieces of straps, including an attachment area of the back strap to the front strap (Regular Type I).
(3) A sole consisting of an in- and treadsole, which are secured at the edge with relatively widely spaced leather thong running stitches. The back of the sandal is missing. Of the straps, only the button of the single front strap is still *in situ*.



973.24.3324.1. Front part. Obverse and reverse; 973.24.3324.2. Strap fragments. Overview; 973.24.3324.3. An incomplete sole, lacking the heel part. Dorsal and ventral view.

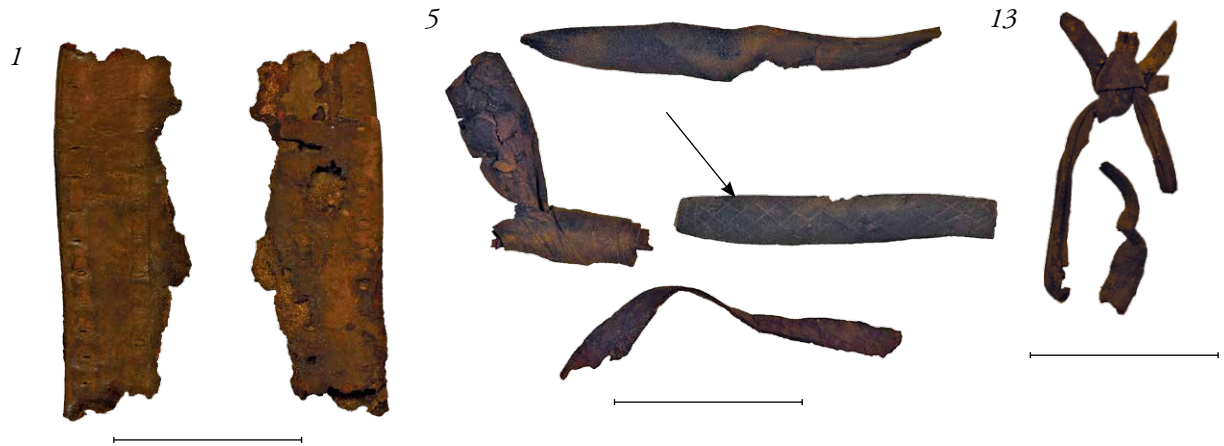
CATALOGUE NUMBER 106

<i>ROM Registration: Number</i>	973.24.2937.1,5, 13	<i>Date</i>	Post-Meroitic (c. 400-650 AD)
<i>ROM Registration: Group</i>	973.24.2937.1-14 (2)-(4), (6)-(12), (14) See forthcoming second volume	<i>Measurements</i>	(1) l: 98.5; w: 34.1; t: 8.1; (5) w strips: 9.4-18.7; t: 1.2; (13) 31 x 78 x 9.4
<i>Excavation/Field Number</i>	63:2:210	<i>Colour</i>	Dark brown, black
<i>Object</i>	Sole and strap fragments	<i>Remarks</i>	Tomb Card 21
<i>Type</i>	Unidentified	<i>Description</i>	(1) A small edge fragment of a two-layer sole. It has one row of stitching along the edge and another one slightly more inwards. These seem to be extreme versions of running stitches. Impressed lines flank the
<i>Provenance</i>	Cemetery 1, Tomb 121		

rows of stitching. The fragment compares well with 973.24.2893.1 (Cat. No. 92).

(5) Several fragments of straps. One, however, is enhanced with impressed lozenges (arrow) and is probably not part of a strap.

(13) The attachment area of the back strap to the front strap of a sandal. The front strap is folded lengthwise.



973.24.2937.1. A small sole fragment. Dorsal and ventral view; 973.24.2937.5, 13. Strap fragments. Overview.

CATALOGUE NUMBER 107

ROM Registration: Number 973.24.3283.3
 ROM Registration: Group 973.24.3283.1-5
 (1), (2), (4), (5)
 See forthcoming second volume

Excavation/Field Number -

Object Strap fragments

Type Unidentified

Provenance Cemetery 3, Tomb 711

Date ?

Measurements (Left to right): l: 61.7; w: 6; l: 108.8; w: 15.3-19.8; w: 91.6; l: appr. 92; d: 16.9; w strip: 11.3-14.1

Colour Dark brown

Remarks Tomb Card 2. The group includes several featureless scraps and a string that are not described and photographed.

Description

Fragments of straps, among which is the attachment area of the back strap to the pre-strap (Regular Type I).



973.24.3283.3. Strap fragments. Overview.

CATALOGUE NUMBER 108

ROM Registration: Number 973.24.3330.3
ROM Registration: Group 973.24.3330.1-7
 (1), (2), (4)-(7)
 See forthcoming second volume

Excavation/Field Number -

Object Strap fragments

Type Unidentified

Provenance ?

Date ?

Measurements w varies from 7.5 to 22.5; overall dimensions: 21 x 31 x 18.5 to 90.8 x 85 x 13.7

Colour Dark brown

Description

Five fragments of Regular Type I straps.



973.24.3330.3. Strap fragments. Overview.

CATALOGUE NUMBER 109

ROM Registration: Number 973.24.3360.1, 2

Excavation/Field Number -

Object Strap and sole(?) fragments

Type Unidentified

Provenance Cemetery 1, Tomb 39

Date ?

Measurements (1) Vary from 27.4 x 36.2 to 53.2 x 63.8; (2) Vary from l: 25.2; w: 7.5 to l: 41.5; w: 14.6

Colour Dark brown

Remarks Several featureless scraps are not described or photographed.

Description

(1) Irregularly shaped fragments, one of which shows the remnants of incised horizontal and vertical lines, producing small squares. Comparable sole decoration is unknown, which makes it questionable that the fragments originate from the sole of a sandal.

(2) Three featureless fragments, possibly of sandal straps. The other two (one of which tapers, whereas the other ends in a straight edge) have a slit lengthwise to which a strap was hitched. Possibly parts of a back strap – front strap junction as seen in Regular Type III straps.



973.24.3360.1. Small sole(?) fragments. Obverse and reverse; 973.24.3360.2. Small strap fragments. Overview.

CATALOGUE NUMBER 110

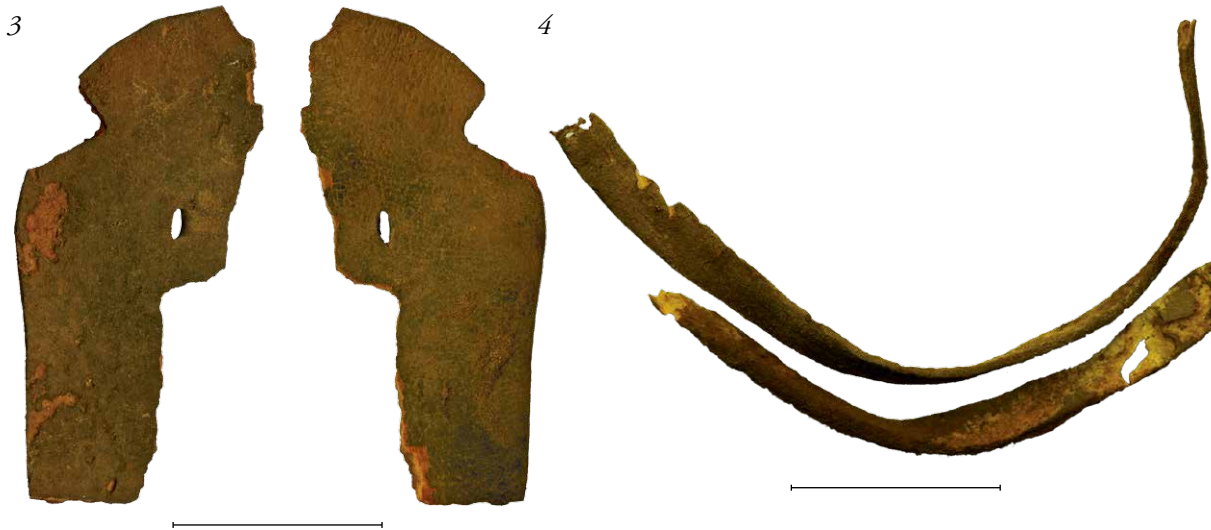
ROM Registration: Number 973.24.3364
Excavation/Field Number -
Object Strap fragments
Type Classic Nubian Sandal? (Strap: Regular Type I)
Provenance ?
Date ?
Measurements Vary from l: 39.2; w: 15.4 to l: 57.8; w: 22.7
Colour Dark brown
Remarks The label reads: "1-42"
Description
 Five fragments, among which are two attachment areas of back straps to front straps (in one, the piece of front strap is still *in situ*). Regular Type I straps.



973.24.3364. Five fragments, including pieces of the straps. Overview.

CATALOGUE NUMBER 111

<i>ROM Registration: Number</i>	973.24.3382.3, 4	<i>Date</i>	?
<i>ROM Registration: Group</i>	973.24.3382.1-4 (1), (2) See forthcoming second volume	<i>Measurements</i>	(3) l: 66.5-120; w: 33.2-59.6; (4) l: 160-240; w: 14.5
<i>Excavation/Field Number</i>	-	<i>Colour</i>	(3) Dark brown; (4) Brown
<i>Object</i>	Sandal and fragments	<i>Description</i>	(3) An irregularly shaped piece of sole. One length-wise orientated slit for the reception of the front strap is visible.
<i>Type</i>	Unidentified		(4) Two featureless fragments of straps(?).
<i>Provenance</i>	?		



973.24.3382.3. Sole fragment. Dorsal and ventral view; 973.24.3382.4. Strap(?) fragments. Overview.

CATALOGUE NUMBER 112

<i>ROM Registration: Number</i>	973.24.2673.1-2	<i>Remarks</i>	'Body' 2
<i>Excavation/Field Number</i>	63:3:217	<i>Description</i>	
<i>Object</i>	Sole and strap fragments	(1) A near-complete sandal, lacking the frontmost part. The single sole layer is coarsely cut. The heel is rounded and the waist only vaguely constricted. Towards the front, the sides (especially the medial one) increase in width; the lateral edge runs more or less straight towards the front. The dorsal surface is still covered with hair, although spots on the edge are without. These bare spots are on the outside of an incised line that follows the shape of the sole (several millimetres inwards from the edge). The pre-strap was pulled through slits situated on either side of the sandal, and just inwards from the edge of the sole.	
<i>Type</i>	Unidentified but still belonging to the 'Independent Pre-Strap, Single-Layer Sole' Category of sandals.	(2) Three fragments of straps.	
<i>Provenance</i>	Cemetery 3, Tomb 37		
<i>Date</i>	Post-Meroitic (c. 400-650 AD)		
<i>Measurements</i>	(1) l: 220; w heel: 64.5; w waist: 59.4; w front: 71.2; t: 4.2; w back strap: 11; (2) l: 115; w: 12.4 & w total: 13; l: 61.6. & 20.5 x 10.5 x 50.2		
<i>Colour</i>	The hair is various shades of brown; the leather is dark brown, distinct dark brown straps		

1



2



973.24.2673.1. A nearly complete sole. Note the fur, left in situ deliberately. Dorsal and ventral view; 973.24.2673.2. Strap fragments. Overview.

CATALOGUE NUMBER 113

ROM Registration: Number 973.24.797.3
 ROM Registration: Group 973.24.797.2-4
 (2), (4) See forthcoming second volume
 Excavation/Field Number 64:2:144

Object Strap fragments
 Type Unidentified
 Provenance Cemetery 3, Tomb 853
 Date Post-Meroitic (c. 400-650 AD)
 Measurements l: 25.5-110.0; w: 5.8-13.4
 Colour Dark brown
 Remarks Tomb Card 2, 11

Description
 Small fragments of strap, one piece of which is tied into an overhand knot.



973.24.797.3. Strap fragments, with a diagram of the overhand knot. Overview.

SHOES

MONTEMBAULT'S *CLASSE IV, TYPE B, VARIANTE 2*

CATALOGUE NUMBER 114

<i>ROM Registration: Number</i>	973.24.2672.1-8	<i>Description</i>
<i>Excavation/Field Number</i>	63:2:419	A near-complete pair of shoes, albeit in fragments. The elongated sole has a rounded heel and long, distinctly constricted waist. From here, towards the front, the width increases almost equally at both sides. However, the lateral edge starts curving more quickly towards the rounded front, resulting in a slightly swayed sole. A thin insole is present, and has a seam running lengthwise down the centre that was closed with whip stitching (the thread, however, is not preserved). Probably, the insole lay loose on the treadsole, judging by the absence of stitch holes at the edge (note that the edge seems to have been folded towards the treadsole). The right upper is the best preserved one – therefore, the description will focus on that. It consists of one piece, which is made of only one thickness of leather, except for rectangular reinforcement patches inside the heel. The vamp points into the inset and flares with concave curves to either side. The side of the upper starts low at the front but increases in height continuously towards the heel, where it reaches its greatest height. The vamp has a decorative heart-shaped appliqué, which is secured with a row of stitches slightly inwards from the edge. The upper is secured to the sole with tunnel stitching. The edge binding, entirely detached from the upper, consists of a lengthwise folded strip of leather. This, in the centre of the part of the vamp that inserts into the instep, forms a (five-leaf) clover-shaped element. It was secured to the upper with whip stitches, made of flax.
<i>Object</i>	Pair of slip-on shoes	
<i>Type</i>	Montembault (2000: 159-171) <i>Classe IV, Type B, variante 2</i>	
<i>Provenance</i>	Cemetery 1, Tomb 142	
<i>Date</i>	Post-Meroitic (c. 400-650 AD)	
<i>Measurements</i>	(1) 3.4 x 23.6; 4.5 x 40.5; 27.4 x 46.7; (2) l: 145; h: 12; (3) l: appr. 220; w: 2.7; t: 3; Decorative element: 13 x 14.3; (4) l: appr. 24; w heel: 45.2; w waist: 44.8; w front: 66.5; t: 3.1; w edge: 10; h upper halfway: 37.8; h upper at heel: 68; w vamp: 61.4; (5) l: 108.5; w: 36.2; h heel: 60.5; h halfway: 40; t: 1.7; (6) l: 220; w heel: 52.1; w waist: 41.5; w front: 68; t: 2.8; w edge: 9.2; (7) l: 203; w: 23.6-34.4; t: 1.2 / l: 94.7; w: 22.5-22.6; t: 1.5-2.8 (edge) / l: 143; w: 22.8-26.4; t: 0.9-2.3 (edge); (8) l: 230; w vamp: appr. 135; h heel: 57.8; t: 2; decoration: 28.7 x 32.5	
<i>Colour</i>	Dark brown	
<i>Remarks</i>	Tomb Card 20	



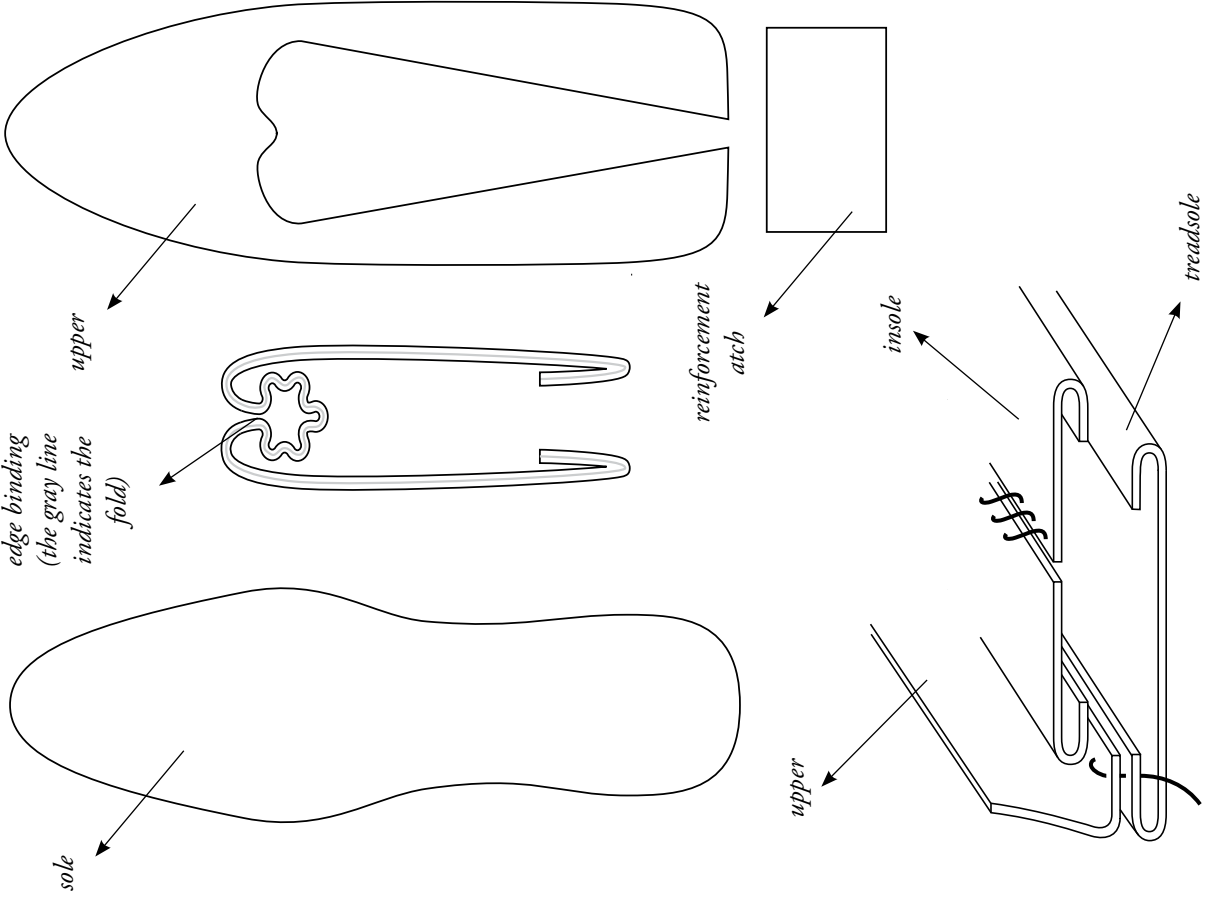
973.24.2672.1. Small fragments of upper and edge binding; 973.24.2672.2. Edge of a sole; 973.24.2672.3. Edge binding, with detail of the decorative central element (scale bar is 10 mm); 973.24.2672.4, 6. Treadsole. Dorsal and ventral view; 973.24.2672.5, 8. Uppers in fragments. Ventral (inner) and dorsal (outer) view; 973.24.2672.7. Insole. Dorsal and ventral view. With detail of the seam.

5



7





973.24.2672.8. Upper. Ventral and dorsal view. Right: 973.24.2672. Cutting pattern.

SHOES

HIGH SHOE, LOOP/LACE ATTACHMENT

CATALOGUE NUMBER 115

<i>ROM Registration: Number</i>	973.24.673
<i>Excavation/Field Number</i>	63:12:46
<i>Object</i>	Complete slip-on shoe
<i>Type</i>	High Shoe, Loop/Lace Attachment
<i>Provenance</i>	Cemetery 3, Tomb 510
<i>Date</i>	Late Meroitic (c. 350-400 AD)
<i>Measurements</i>	w heel: 60.3; w waist: 65.8; w front: 76.7; h heel (incl. sole): 113.3; h heel stiffener: 43.7; w edge instep: 8.8; l toe cap: 47.0
<i>Colour</i>	Beige-white/dark brown
<i>Remarks</i>	Tomb Card 4. The condition of the shoe prohibited a detailed study before consolidation and conservation. Note that, therefore, the present description might be revised after the aforementioned treatment.

Description

The sole of this left ankle shoe has a rounded heel and a slightly constricted waist. From here, the width increases, especially on the lateral side, which curves gently towards the big toe area. The increase in width of the medial edge is far less distinct and curves towards the big toe area in the front quarter of the length. Thus, a swayed sole results. The sole is made of one layer. The light coloured upper, also made of one thickness, consists of several pieces. The main part consists of one sheet of leather, which is secured lengthwise down the vamp, including a lengthwise folded passepoil. It is possibly secured with running stitches of leather thong. There is no back seam, nor any side seams. The upper is secured to the sole by rather coarse and widely-spaced leather thong running stitches. The quality of work differs so much from that seen in the rest of the shoe, that one won-

ders if this is original or rather a repair. The heel as well as the front, have dark brown, semi-circular reinforcement patches (external heel stiffener and toe cap, respectively). These are tucked into the sole/upper construction, and secured with a backstitch made of leather thong along the edge. The edge of the instep has a neatly applied simple edge binding of the same colour as the shoe itself. It consists of a strip of leather that is folded over the edge and which is secured with a decorative backstitch of dark brown leather thong. The stitching (on either side of the thickness) includes strips of dark leather at the front of the instep, at the junction of the horizontal and vertical parts (the lateral one is broken), and at the top. Probably it held something that trimmed the instep edge, as they are not folded over the edge tightly. Rather, some space is left and the lateral one of the two front strips still includes a strip of dark leather. The end of one strip has a hole, through which was inserted a toggle (arrow in the detail photograph on p. 207), whereas the other is stitched through the vamp's leather at the start of the instep (double arrow in the detail photograph on p. 207). Clearly, the strip was used to close the shoe: possibly, the leather lace was pulled through the leather eyes crosswise, then returned to the start of the instep, where it was secured with the toggle/hole construction. The medial side of the vertical part of the upper has, at the instep edge, a triangular insert, which is secured with leather thong running stitches. It does not complete the cutting pattern, as the sides were already equal in measurements; rather it is an addition. A narrow tongue closes the shoe at the front; how it is attached could not be observed, but seemingly it is only to the vamp. It has no impressions from the laces.



973.24.673. *Left to right, top to bottom. Dorsal, ventral, lateral and medial view.*

973.24.673. Cutting pattern. The gray line indicates the fold.

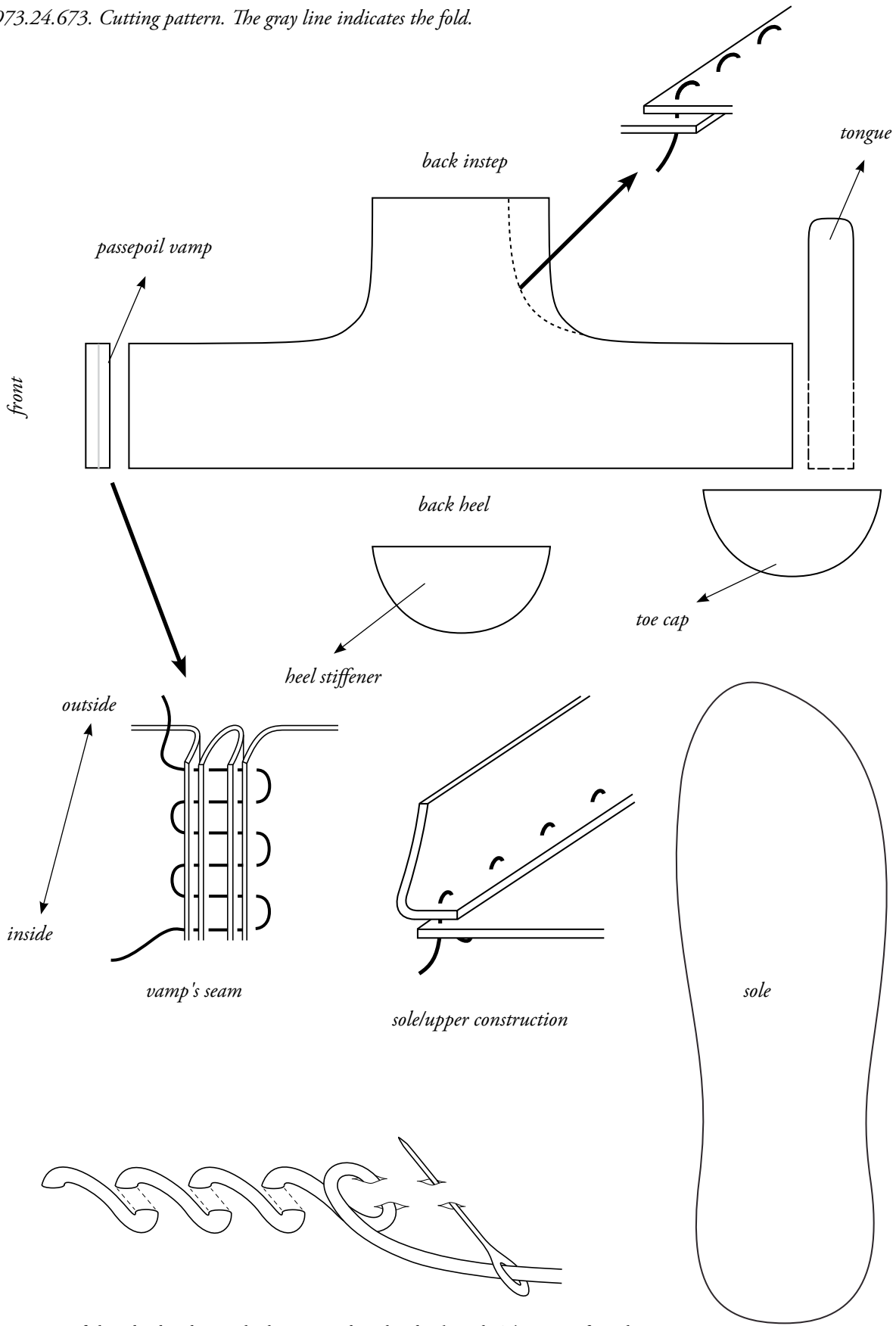


Diagram of the edge binding, which is secured with a back stitch. This type of stitch is used throughout the shoe. The stitch is shown drawn out to enhance clarity but are one continuous row in reality (see detail photographs on the following page).



973.24.673. Close-up of the instep at the medial side, showing the insert. Scale bar is 10 mm.



973.24.673. Detail of the stitching of the edge binding of the instep. Medial side. Scale bar is 10 mm.



973.24.673. Detail of the instep, showing the tongue. Front view. Scale bar is 10 mm.



973.24.673. Detail of the tongue, showing the core at the top. Side view. Scale bar is 10 mm.



973.24.673. Detail of the stitching that secures the edge binding at the instep. Lateral view. Scale bar is 10 mm.



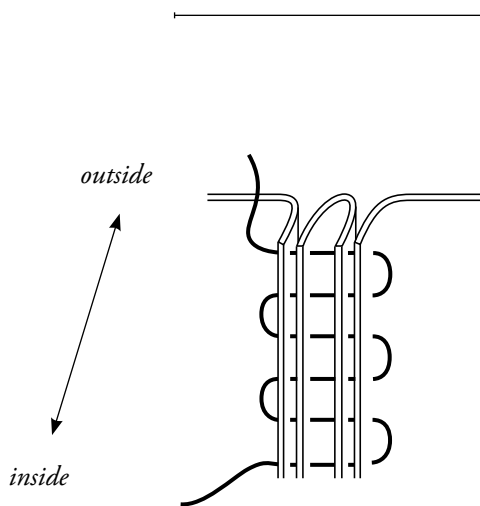
973.24.673. Detail of the stitching that secures the edge binding at the instep. Inner view of the lateral side. Scale bar is 10 mm.



973.24.673. Detail of the dark brown pieces of leather that are secured over the edge binding (included in the stitching of the edge binding). It holds a strip of leather, slightly twisted, that might have acted as a drawstring. Indication for scale: the dark brown strips are approximately 10 mm wide.



973.24.673. Left: Detail of the heel stiffener. Medial view; Below: Detail of the toe cap and seam in the vamp (with a diagram of the seam). Dorsal view.



SHOES

MONTEMBAULT'S *CLASSE X, TYPE B, VARIANTE 2*

CATALOGUE NUMBER 116

<i>ROM Registration: Number</i>	973.24.2758
<i>Excavation/Field Number</i>	63:3:268
<i>Object</i>	Pair of shoes
<i>Type</i>	Montembault (2000: 203) <i>Classe X, Type B, variante 2</i>
<i>Provenance</i>	Cemetery 3, Tomb 120
<i>Date</i>	Early Post-Meroitic (Post-Meroitic: c. 400-650 AD)
<i>Measurements</i>	l: 255; w heel: 93.5; w front: 94.3; h backpart: appr. 90; l backpart: appr. 129; w decoration strip at instep: 29; w edge binding: 9.1
<i>Colour</i>	Brown, red
<i>Remarks</i>	The condition of the shoes prohibited a detailed study before consolidation and conservation. Note that, therefore, the present description might be revised after the aforementioned treatment. Thus the ventral surface of the sole was not studied. The left shoe is in worse condition than the right one. Several measurements have not been taken; the width is measured from above.

Description

A pair of shoes, for each of which the sole consists of an insole and treadsole. The upper consists of a vamp and a backpart, both only one thickness of leather. The vamp has a large triangular extension, running up to the ankle. More or less at the start of the tapering into the extension, two small holes receive a leather lace that secures a decorative, triangular red piece of leather. The horizontal edge of this triangle, facing towards the toe, is serrated. On the right shoe, this element is of a double thickness.

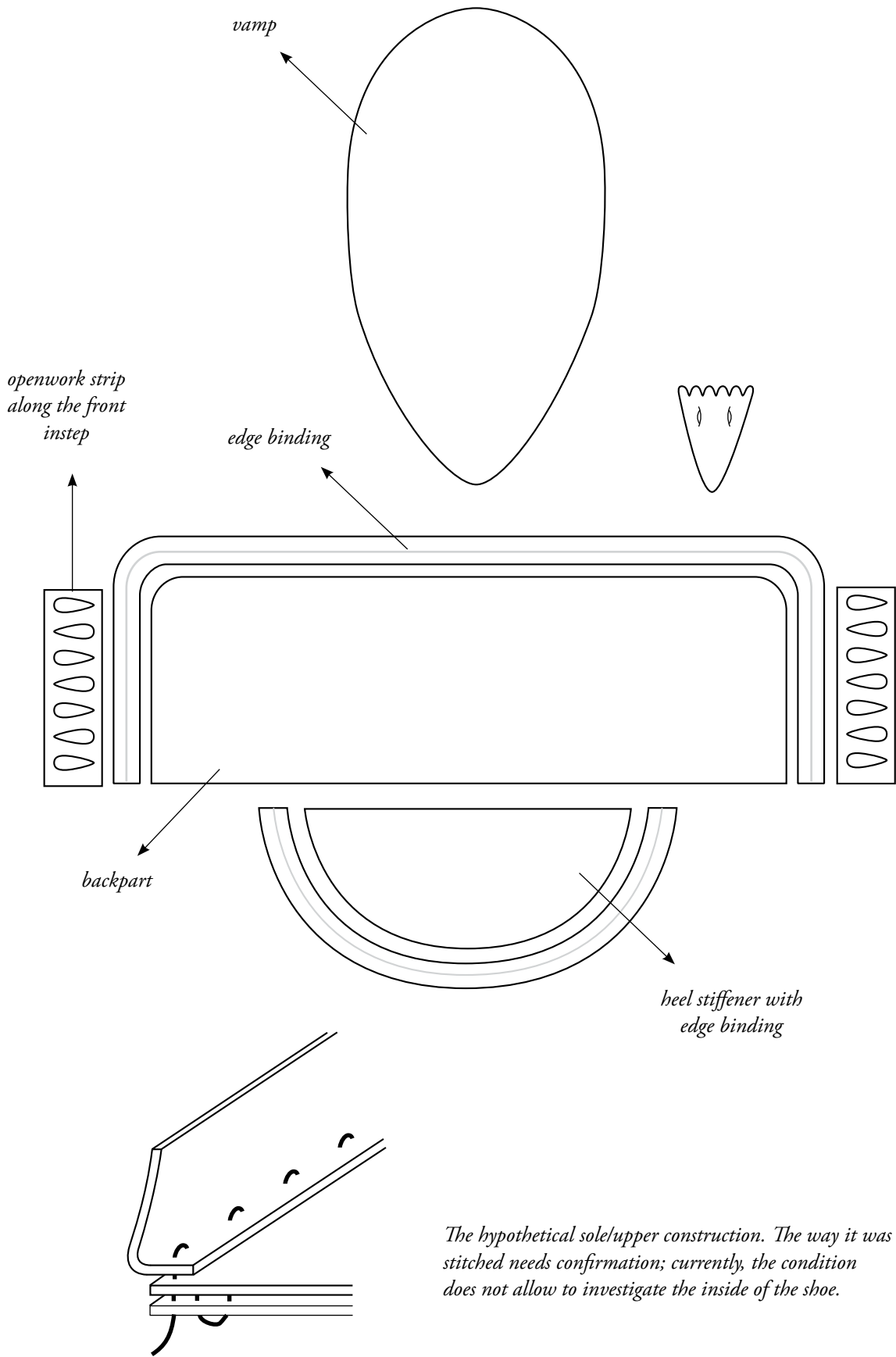
The lace loosely keeps the two sides of the upper closed over the vamp extension. This is clear, as at the corners, further down this edge, and on either side there are sets of small holes, and in several of these small remnants of the lace are still *in situ*. It could not be determined anymore how the laces were tied. The backpart is a rectangular piece that is folded around the heel. The corners at the instep are cut in a round shape. The edge binding is a strip folded around the edge of the backpart and secured with decorative backstitching of narrow leather thong (the inner side could not be studied before consolidation; the identification is on the basis of parallels, such as 973.24.3225, Cat. No. 117). It continues around the rounded corner and extends a few centimetres, *viz.* the front edge of the backpart. Two red strips of leather adorn the edge of the sides, and the edge of the strip that faces the back of the shoe is serrated. The strip has openwork decoration: tear-shaped motifs are cut in an alternating opposite orientation. The strip is secured at both long edges with backstitching that attaches the small part of the edge binding. The laces were pulled through sets of holes at regular, but widely spaced, intervals. The heel has a semi-circular heel stiffener, of which, unfortunately, not much is left. It was edged with a narrow strip of red leather, which shows the same backstitching as seen on the edge binding and decorative strip (*cf.* 973.24.3225, Cat. No. 117 for a more complete, albeit coarser, example), but this time done with white leather. The upper is secured to the sole with running stitches of leather thong; these do not go through the treadsole's entire thickness, but only through part of it (tunnel stitching), thus being protected from wear by friction with the ground during walking.



973.24.2758. Overview. Dorsal view.



973.24.2758. Close-up of heel part. Dorsal view.



The hypothetical sole/upper construction. The way it was stitched needs confirmation; currently, the condition does not allow to investigate the inside of the shoe.

973.24.2758. Cutting pattern. The gray line indicates the fold.



973.24.2758. Close-up of the instep with tongue. Dorsal view. Indication of size: the width of the edge binding is approximately 10 mm.

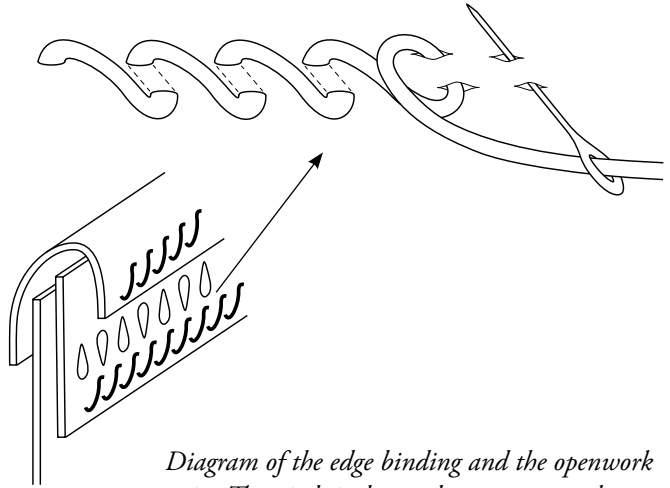


Diagram of the edge binding and the openwork strip. The stitch is shown drawn out to enhance clarity but are one continuous row in reality (see detail photographs below).



973.24.2758. Close-up of the front of the instep/edge backpart in both shoes. Dorsal view. The diagram shows the edge binding with red strip.

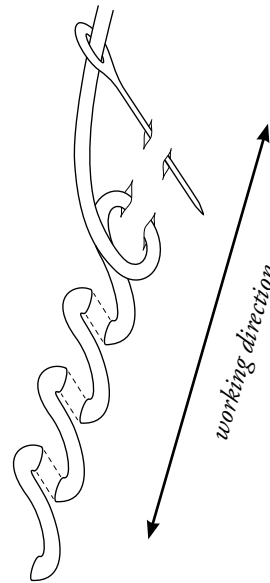
CATALOGUE NUMBER 117

<i>ROM Registration: Number</i>	973.24.3225
<i>Excavation/Field Number</i>	64:2:16
<i>Object</i>	Complete shoe
<i>Type</i>	Montebault (2000: 203) <i>Classe X, Type B, variante 2</i>
<i>Provenance</i>	Cemetery 3, Tomb 743
<i>Date</i>	?
<i>Measurements</i>	l: 255; w heel: 58.1; w halfway: 66.0; w front: 74.3; h backpart at vamp: 77.5; h backpart at heel: appr. 74; w decoration strip at heel stiffener: 5.5; tear-shaped appliqué: 20.2 x 39.4
<i>Colour</i>	Brown, red; white stitches;
<i>Remarks</i>	Tomb Card 5. For a detailed description, see 973.24.2758 (Cat. No. 116); here, the focus is on the differences. The condition of the shoes prohibited a detailed study before consolidation and conservation. Note that, therefore, the present description might be revised after the aforementioned treatment.

Description

A shoe with a sole consisting of a treadsole and an insole that is secured with coarse running stitches to the upper

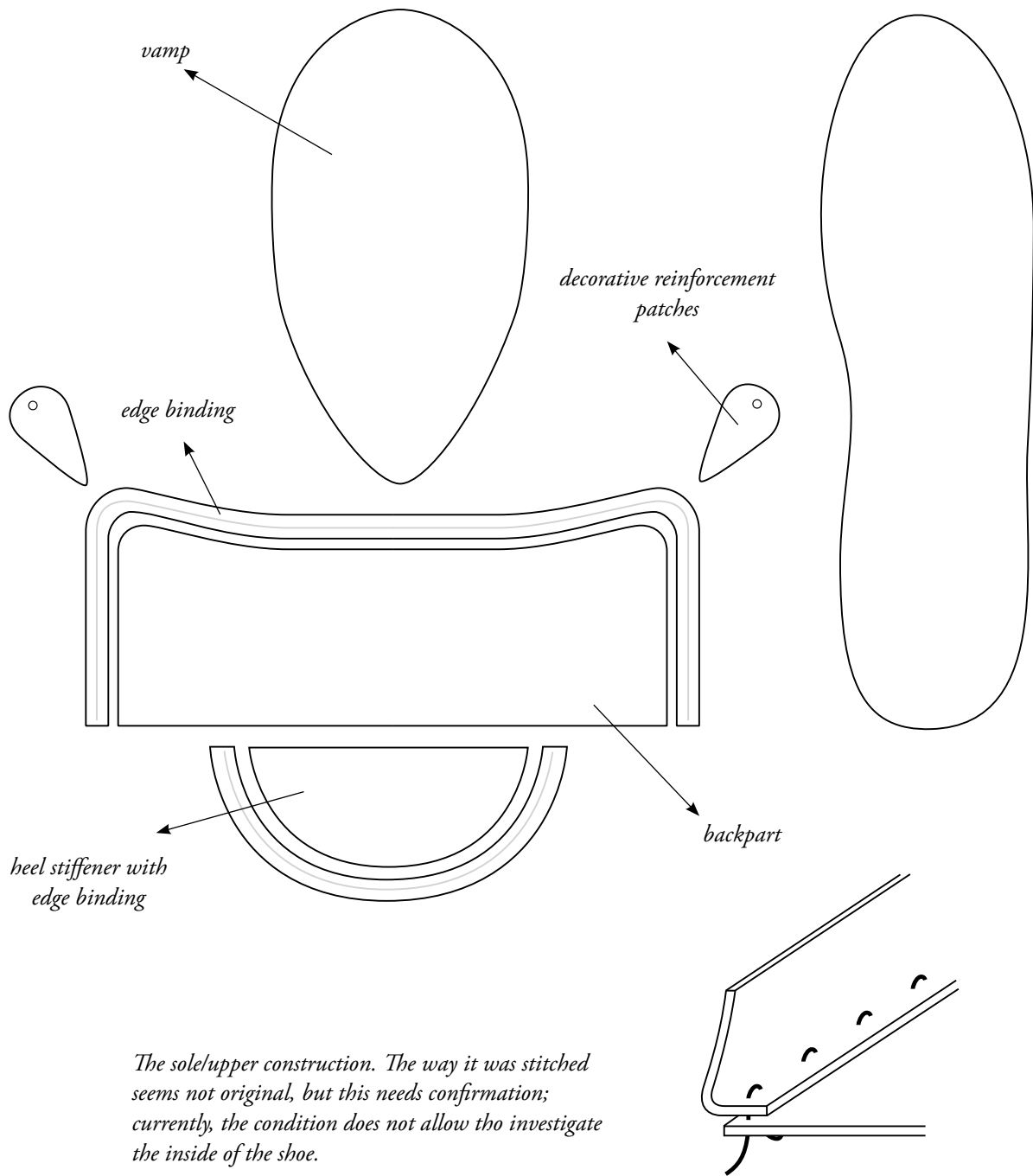
and the treadsole. At least those securing the treadsole do not seem original, but this needs confirmation when the inner side could be studied properly. The treadsole has a rounded heel with a mildly constricted waist. The width remains fairly slender. About halfway through the length, the lateral width increases more substantially than the medial edge, which starts to expand further towards the front edge. Thus, the sole is swayed. The toe part is fairly stubbed. The vamp has transverse impressed line decoration. The cutting pattern equals 973.24.2758 (Cat. No. 116) closely, but the shape of the vamp extension could not be determined nor whether there is a lace going through because it is hidden under the vamp. Based on the holes in the corners of the backpart, however, it is fairly safe to assume that a lace was present. The backpart has no edge binding, but a row of backstitching of leather thong is present, and it serves the same purpose (*viz.* reinforcement and enhancement). A decorative tear-shaped appliqué in the corners acts as reinforcement of the lace hole. It is attached with white leather thong looping. The heel stiffener is decorated with red leather thong connecting star-like motifs that are made of white leather thong. The edge of the stiffener is secured with a red strip of leather and white leather thong backstitching.



973.24.3225. Detail of the edge of the instep, which is enhanced with appliqué in red. Scale bar is 10 mm. Overviews and more detail photographs on the following pages.



973.24.3225. From top to bottom, left to right. Overview. Dorsal, ventral and medial view. Detail of the sole seam (dorsal view). Scale bar detail is 10 mm.



973.24.3225. Cutting pattern. The gray line indicates fold lines.



973.24.3225. Detail of the enhanced heel stiffener, seen from the back and from dorsal respectively. Scale bars are 10 mm.

973.24.3225. Detail of the stitching of the edge of the backpart, seen from the outside (right) and inside (below). Scale bars are 10 mm.



SHOES

ONE-PIECE SHOES

CATALOGUE NUMBER 118

ROM Registration: Number 973.24.2694/5
Excavation/Field Number 64:2:151 & 152
 respectively

Object Pair of shoes
Type Fustat
Provenance 973.24.2694: Citadel locus 337
 room 1; 973.24.2695: Citadel below
 locus 307 between first and second
 floors

Date Late Christian (1100-1400 AD)
Measurements (973.24.2694) l: 151; w: 97; l vamp:
 54.1; h upper halfway length: 6.1; h
 backpart: 65; t backpart: 11.3

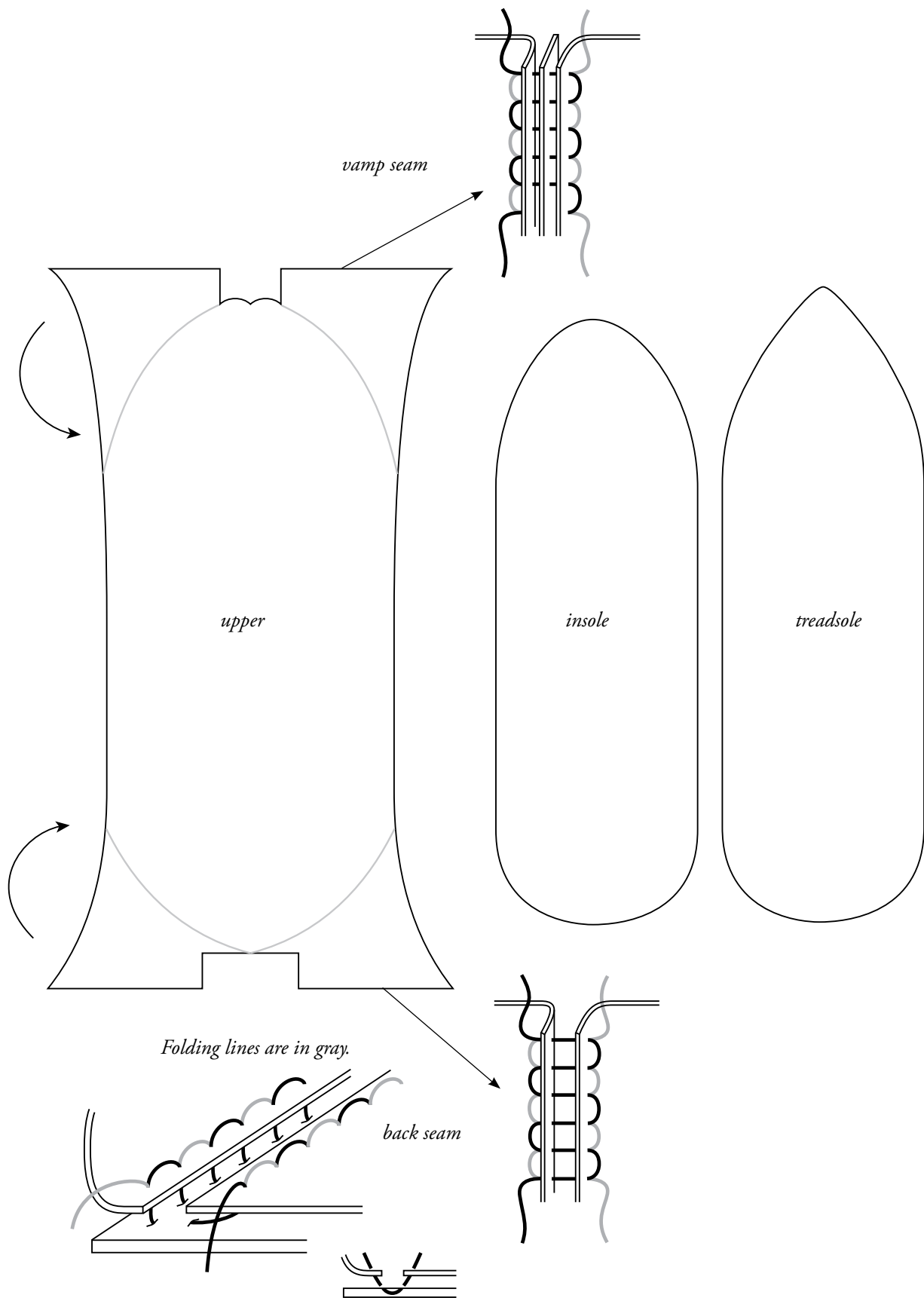
Colour Brown
Remarks Comparable type of shoes are
 known from Fustat, the material of
 which is currently under study by
 the present author, including a detailed
 typology. See the discussion about
 the name of this group in the analysis
 ('One-Piece Shoes', 'Note on Typology').

Description
 A pair of slip-on shoes with a large instep,
 leaving most of the foot bare. The
 treadsole, which is secured with
 interlocking stitching to the combined
 midsole/upper, has a rounded heel and
 a constant width towards the front.
 The front terminates in a triangular

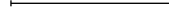
protrusion that fits into the vamp at the
 front, thus closing the shoe. The upper
 and midsoles are made of one piece of
 leather and closed lengthwise down
 the centre of the vamp and the backpart
 with interlocking stitching (it is not clear
 whether it is a true butt seam or if the
 edges were folded and sewn, but most
 likely the latter). The seam in the vamp
 includes a passepoil. The centre of the
 sole does not seem to have a seam (note
 the exact parallels from Fustat). The
 small notch at the front is closed by the
 separately added treadsole. Towards the
 back, the upper increases in size,
 terminating in an extended backpart
 pointing dorsally. The lining acts as the
 edge binding of the vamp, but increases
 in width in order to line the side upper
 and the extended backpart. It is most
 likely secured with whip stitches on the
 edge of the inset, but on the inside; the
 opposite edge is secured to the thin
 insole with interlocking stitches. In
 between the lining and the main upper,
 the extended backpart is stuffed, as
 parallels suggests, with pieces of
 leather. A curious feature is the iron
 nails in the treadsole of 973.24.2695.
 There are four at the front, neatly
 arranged in a diamond. There are only
 two at the heel, but the impressions of
 two more nails suggest a similar
 arrangement as seen in the front, a
 feature which is not present in the
 other shoe. The nails do not protrude
 through the mid- and insole.



973.24.2694, 2695. Overview. Dorsal and ventral view.



973.24.2695. Hypothetical cutting pattern.



973.24.2695. From left to right and top to bottom. Detail of the sole seam, edge binding, vamp seam and backseam. Scale bars are 10 mm.



973.24.2694, 2695. The iron nails in the sole at the front (left) and heel (right). Scale bars are 10 mm.

CATALOGUE NUMBER 119

ROM Registration: Number 973.24.2704.1, 2

Excavation/Field Number 66:1:9

Object Pair of shoes

Type Fustat

Provenance Citadel church 4 in coffin at foot end

Date Late Christian (1100-1400 AD)

Measurements 1) l: 300; w heel: 60.2; w front: 76; t sole: appr. 4.5; h backpart: 62.1 (incl. sole); l vamp: 60.6; w side upper: 12.8 (incl. edge binding); t backpart: 4.2; 2); l: 300; w heel: 62; w front: 77; t sole: appr. 5.5; h backpart: 61.8 (incl. sole); l vamp: 57.1; w side upper: 62 (incl. edge binding); t backpart: 5.6

Colour Brown

Remarks For a detailed description, see 973.24.2694/5 (Cat. No. 118); here, the focus is on the differences. Comparable types of shoes are known from Fustat, the material of which is currently under study by the present author, including a detailed typology. See the discussion

about the name of this group in the analysis ('One-Piece Shoes', 'Note on Typology').

Description

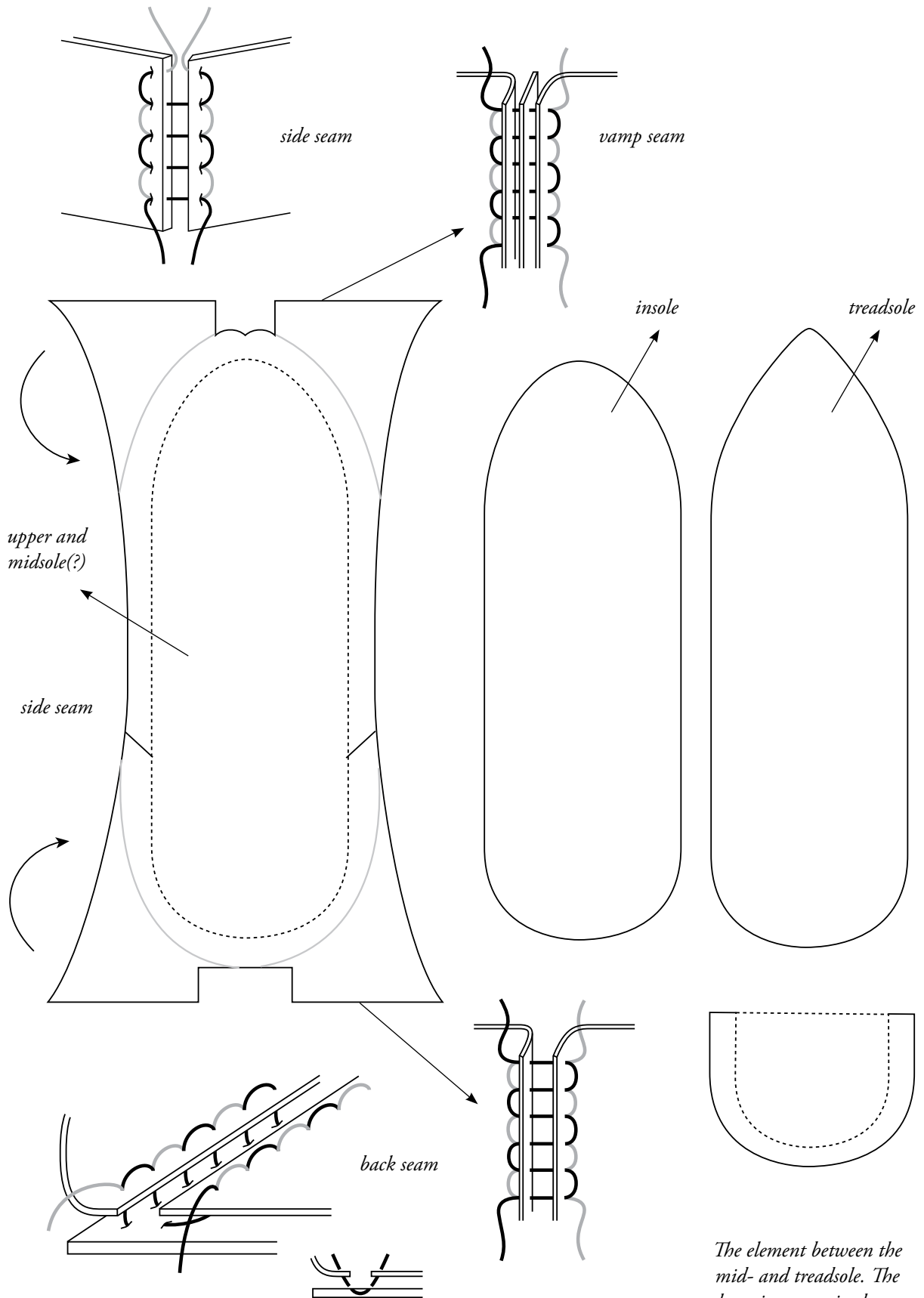
A complete pair of slip-on shoes. In each, the sole has a rounded heel and slightly constricted waist, from which the width increases to a size slightly larger than the width of the back of the shoe towards the tapering front. At the heel, an element is inserted between the treadsole and the midsole, which is secured with backstitching through the edges, resulting in a outwards protruding edge. It is unclear how big this inserted element is, but certainly it is only a small sized element and not an entire sole. Probably, the element is horseshoe-shaped. The rest of the sole/upper seam seems so be secured with interlocking stitching (butt seam). The upper, although of comparable shape as the reference, has one difference: it consists of two parts, the diagonal seams of which are situated at approximately three-quarters through the length of the shoe. It is not entirely certain that the midsole and the upper are integrally cut from one piece of leather. The backpart is not stuffed at the heel. In all, the shoes are better made and better preserved than the referred specimens.



973.24.2704.1. A complete right shoe. Medial, dorsal, lateral and ventral view.



973.24.2704.2. A complete right shoe. Lateral, dorsal, medial and ventral view.



973.24.2704. Hypothetical cutting pattern; uncertainty is indicated by the dashed lines. Folding lines are in gray.

The element between the mid- and treadsole. The shape is uncertain, hence the dashed lines.



973.24.2704.1. From left to right, top to bottom. Details. Back seam; Construction of the sole and vamps from ventral; As before, but seen from the side; Edge binding seen from dorsal; Toe part of the shoe, seen from dorsal; Side seam. Scale bars are 10 mm.

SHOES

STUBBED-TOE ANKLE SHOES

CATALOGUE NUMBER 120

ROM Registration: Number 973.24.2735.1-2
Excavation/Field Number 63:12:134
Object Pair of shoes
Type Plain Type
Provenance Cemetery 3, Tomb 466
Date Post-Meroitic(?) (c. 400-650 AD)
Measurements l: 230; w heel: appr. 73.5; w front: 87.7; h backpart: 58.5; h upper at front instep: appr. 55; w edge binding: 5.7 (outside), 8.2 (inside); w drawstring: 5.3; drawstring coil: 7.7 x 10
Colour Brown, red
Remarks Tomb Card 1

Description

A pair of shoes of which the uppers are fairly complete, but only scraps of the soles have survived. There are remnants of two sole layers. The upper is secured to the treadsole with running stitches (all stitching is done with leather thong). The insole is separately stitched to the upper with whip stitching. Such a construction, as well as the turnshoe construc-

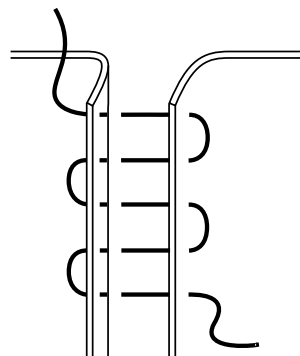
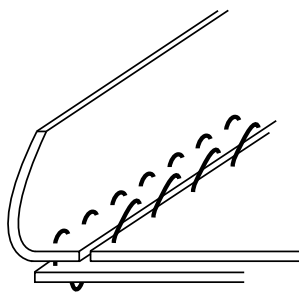
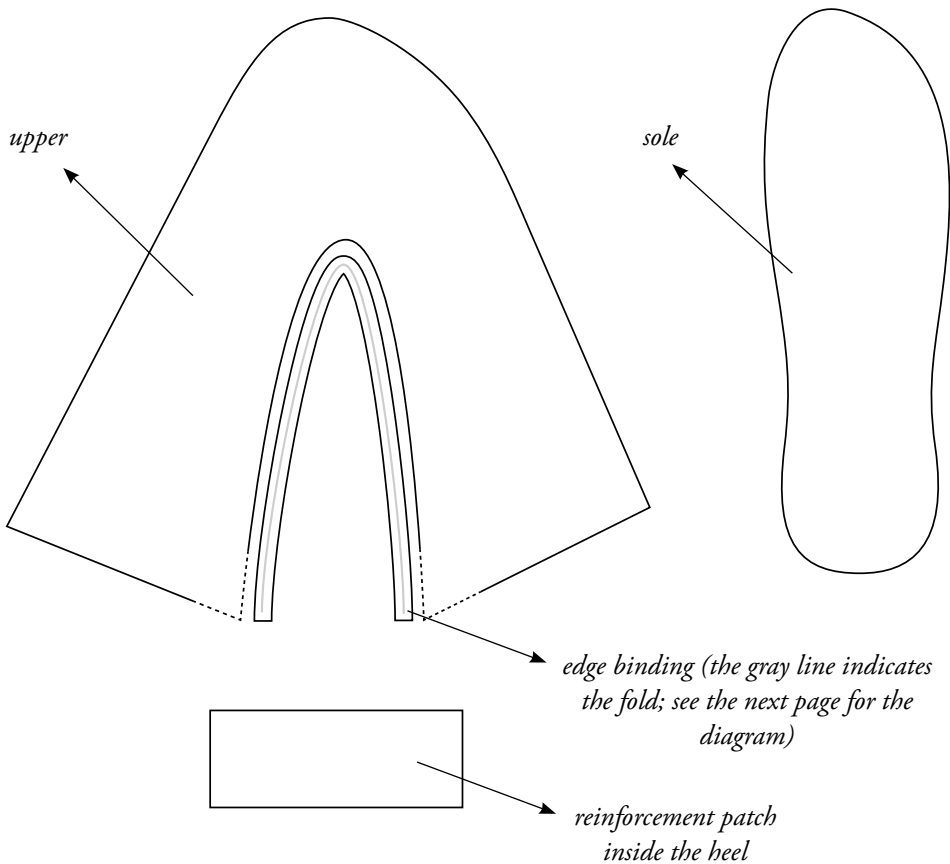
tion, have not been identified in this type of shoe before, but it is often seen in other types (for example 973.24.2694/5, Cat. No. 118). The upper consists of one piece, which is closed with a back seam. The seam is closed with running stitches and is, on the interior of the shoe, protected by a strip of leather. The instep is finished with an edge binding, which is attached with running stitches on the outside of the upper. Afterwards, it is pulled over this stitching and secured a second time on the interior of the upper by means of whip stitching. The drawstring, consisting of a strip of leather in the slit/pull technique, runs along the edge towards the front, where they terminate(?) in a square, layered 'toggle'. Unfortunately, the exact construction of the drawstrings and 'toggle' could not be identified without damaging the object and therefore an attempt was not undertaken. Probably, it is a strip of leather that was folded in an alternating pattern, so that the fold each time faced the opposite direction. One side of the lace is attached to the edge by pulling the end through the upper; the other end is secured with a single stitch.



973.24.2735.1, 2. Pair of much damaged shoes. Dorsal and ventral view.



973.24.2735.2. Detail of the drawstring attachment. Left: The leather strip is pulled through the slits in the upper and subsequently made into the slit/pull string; Right: The other end is secured to the upper with a single stitch. Scale bars are 10 mm.



Far left: Sole seam; left: Back seam

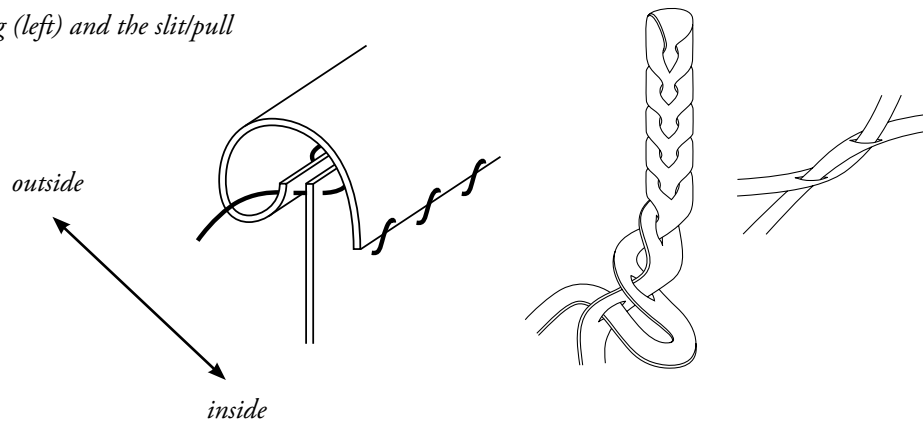
973.24.2735.2. Cutting pattern.



973.24.2735.1, 2. Respectively. Details of the sole/upper construction. Scale bar is 10 mm.



973.24.2735.1. Close-up of the edge binding with drawstring. Scale bar is 10 mm. Below: the diagram of the edge binding (left) and the slit/pull drawstring (right).



SHOES

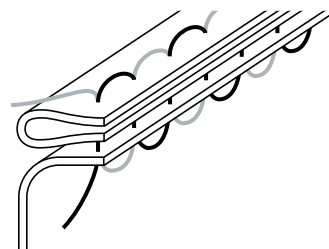
OTTOMAN

CATALOGUE NUMBER 121

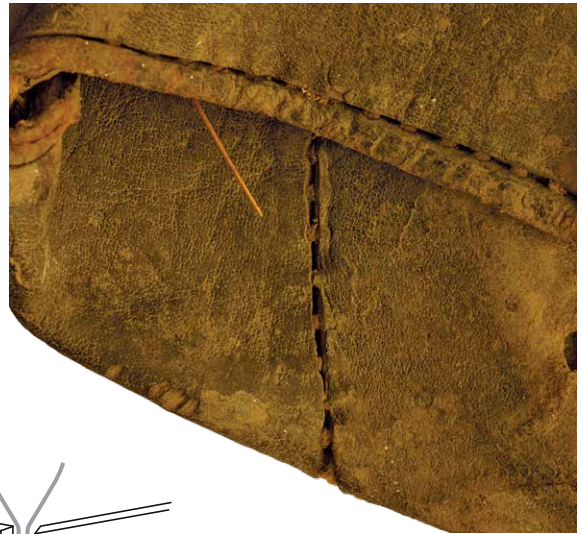
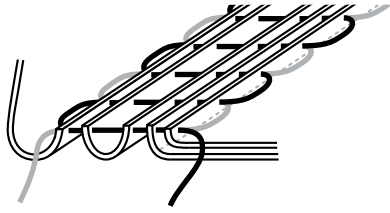
<i>ROM Registration: Number</i>	973.24.3300	<i>Colour</i>	Brown
<i>Excavation/Field Number</i>	65:1:29	<i>Remarks</i>	Possibly a pair with 973.24.3299.2 (Cat. No. 122).
<i>Object</i>	Shoe		
<i>Type</i>	Category IV, Type B, Variant 3	<i>Description</i>	
<i>Provenance</i>	Trench 6		This type of shoe has been discussed in the Qasr Ibrim Ottoman footwear volume (Veldmeijer, 2012: 155-156). See the description of the type for more details (Veldmeijer, 2012: 90-94).
<i>Date</i>	Ottoman (1570-1811 AD)		
<i>Measurements</i>	l: 260; w heel: 72.5; w waist: 74.5; w front: 96.6		

CATALOGUE NUMBER 122

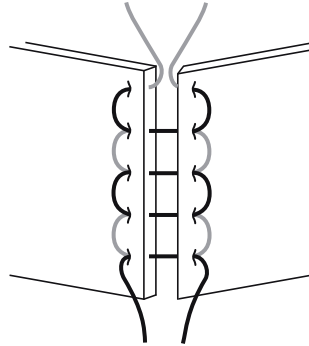
<i>ROM Registration: Number</i>	973.24.3299.2	<i>Measurements</i>	l sole: 180; l total: 240.9; w heel: 75.4; w waist: 78.9; w front: 112.8; h backpart: 125.6
<i>ROM Registration: Group</i>	973.24.3299.1, 2 (1) Cat. No. 81	<i>Colour</i>	Brown
<i>Excavation/Field Number</i>	-	<i>Remarks</i>	Possibly a pair with 973.24.3300 (Cat. No. 121).
<i>Object</i>	Shoe	<i>Description</i>	
<i>Type</i>	Category IV, Type B, Variant 3		This type of turnshoe has been discussed in the Qasr Ibrim Ottoman footwear volume (Veldmeijer, 2012: 155-156). See the description of the type for more details (Veldmeijer, 2012: 90-94).
<i>Provenance</i>	South-west wall of church 7 above windows		
<i>Date</i>	Ottoman (1570-1811 AD)		



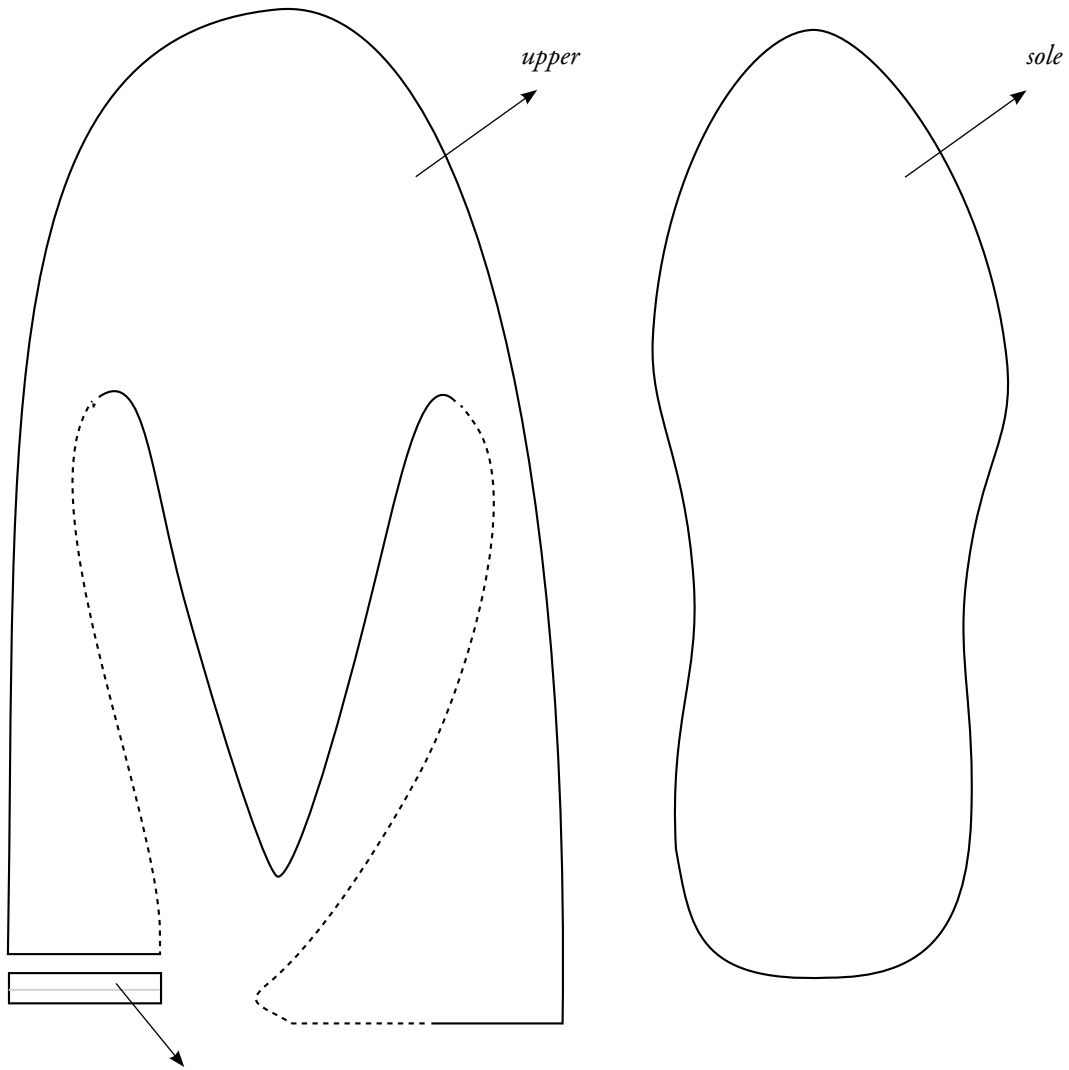
973.24.3300. Left to right, top to bottom. Complete right shoe. Dorsal and ventral view; Detail of the sole seam, seen from ventral; Detail of the edge binding (with the diagram of the construction), seen from dorsal. Scale bars of the details are 10 mm.



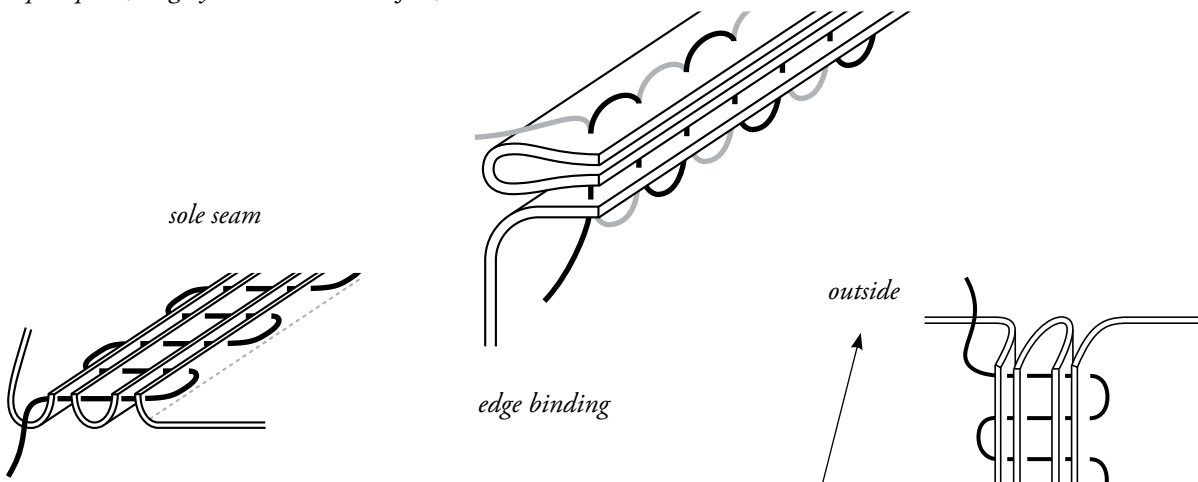
973.24.3300. Left: Diagram of the sole seam; Right: Detail of the back seam, with the diagram of the construction. Scale bar is 10 mm.



973.24.3299. Near complete shoe. Dorsal and ventral view.



passepoil (the gray line indicates the fold)



973.24.3299 & 3300. Cutting pattern. The edge binding is left out to improve clarity.



973.24.3299. Detail of the vamp extension and edge binding (left) and of the back seam and edge binding of the back part (right). Scale bars are 10 mm.

CATALOGUE NUMBER 123

ROM Registration: Number 973.24.2961

Excavation/Field Number -

Object Shoe

Type Category XII, Type C, Variant 2

Provenance ?

Date Ottoman (1570-1811 AD)

Measurements l: 230.0; w heel: 60.4; w halfway length: 63.9; w front: 80.3; t sole: 4.7; l vamp extension: 140; h back-

part extension: appr. 160; t upper: 2.7

Colour Brown

Description

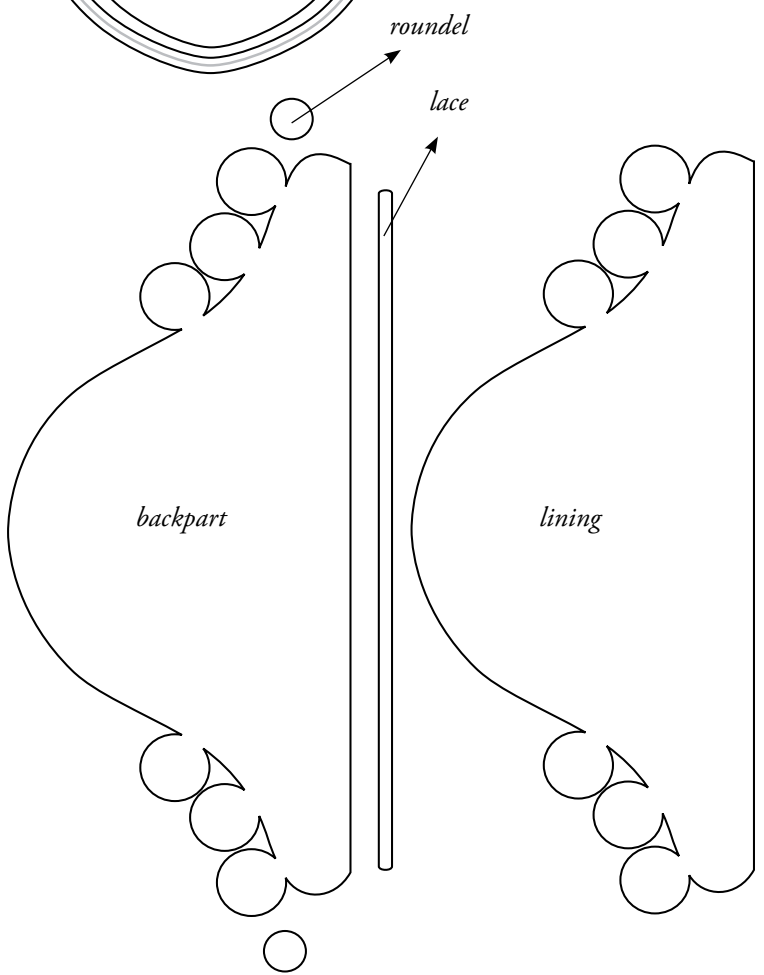
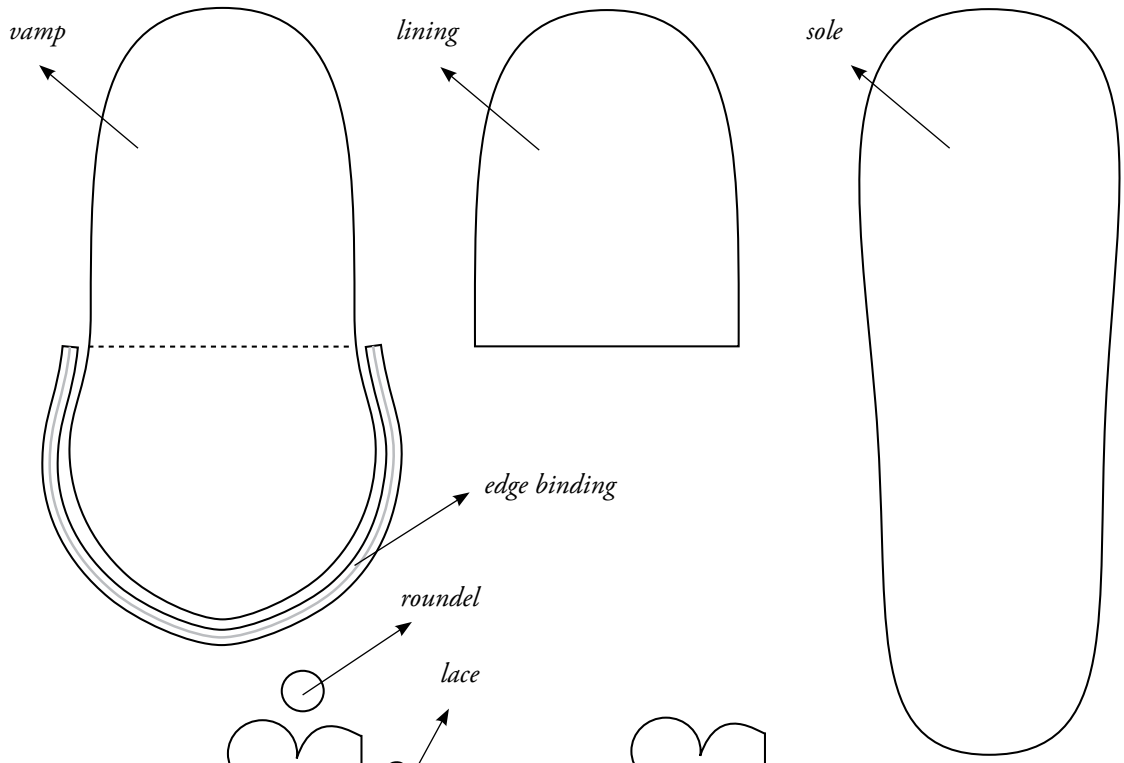
This type of turnshoe has been discussed in the Qasr Ibrim Ottoman footwear volume (Veldmeijer, 2012: 154). See the description of the type for more details (Veldmeijer, 2012: 95, 106-122).



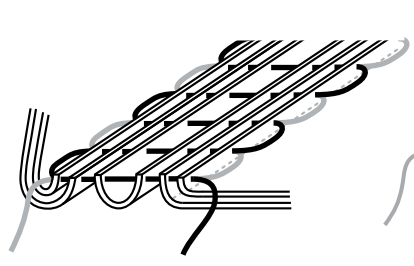
973.24.2961. Details of the sole seam with rand. Scale bars are 10 mm.



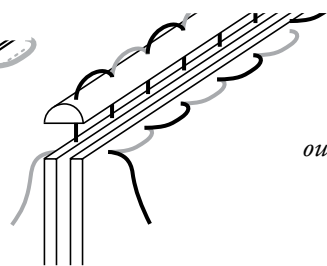
973.24.2961. Complete shoe. From left to right and top to bottom: dorsal, ventral and side views.



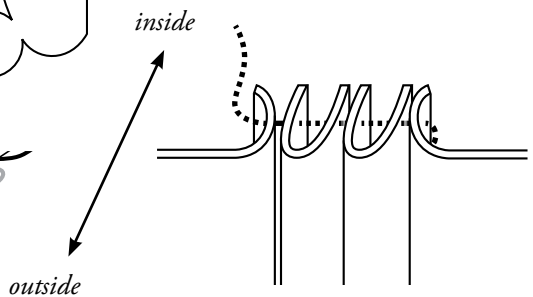
973.24.2961. Cutting pattern. The gray line indicates the folding line.



sole seam (backpart)



edge binding



side seam (the type of stitching could not be observed as the interior is not visible).



973.24.2961. From top to bottom, left to right: Detail of the lace attachment area, the roundel and the insert of the backpart extension. Scale bars are 10 mm.



CATALOGUE NUMBER 124

ROM Registration: Number 973.24.2973
Excavation/Field Number -
Object Shoe
Type Category XII, Type C, Variant 2
Provenance The label reads "trench 7, section 1 north, surface to 1.00 7.2.65"
Date Ottoman (1570-1811 AD)
Measurements l: 245; w heel: 73,7; w waist: 74.3; w front: 96.6; h backpart extension: 155; h vamp extension: app. 105.

Colour Brown

Description

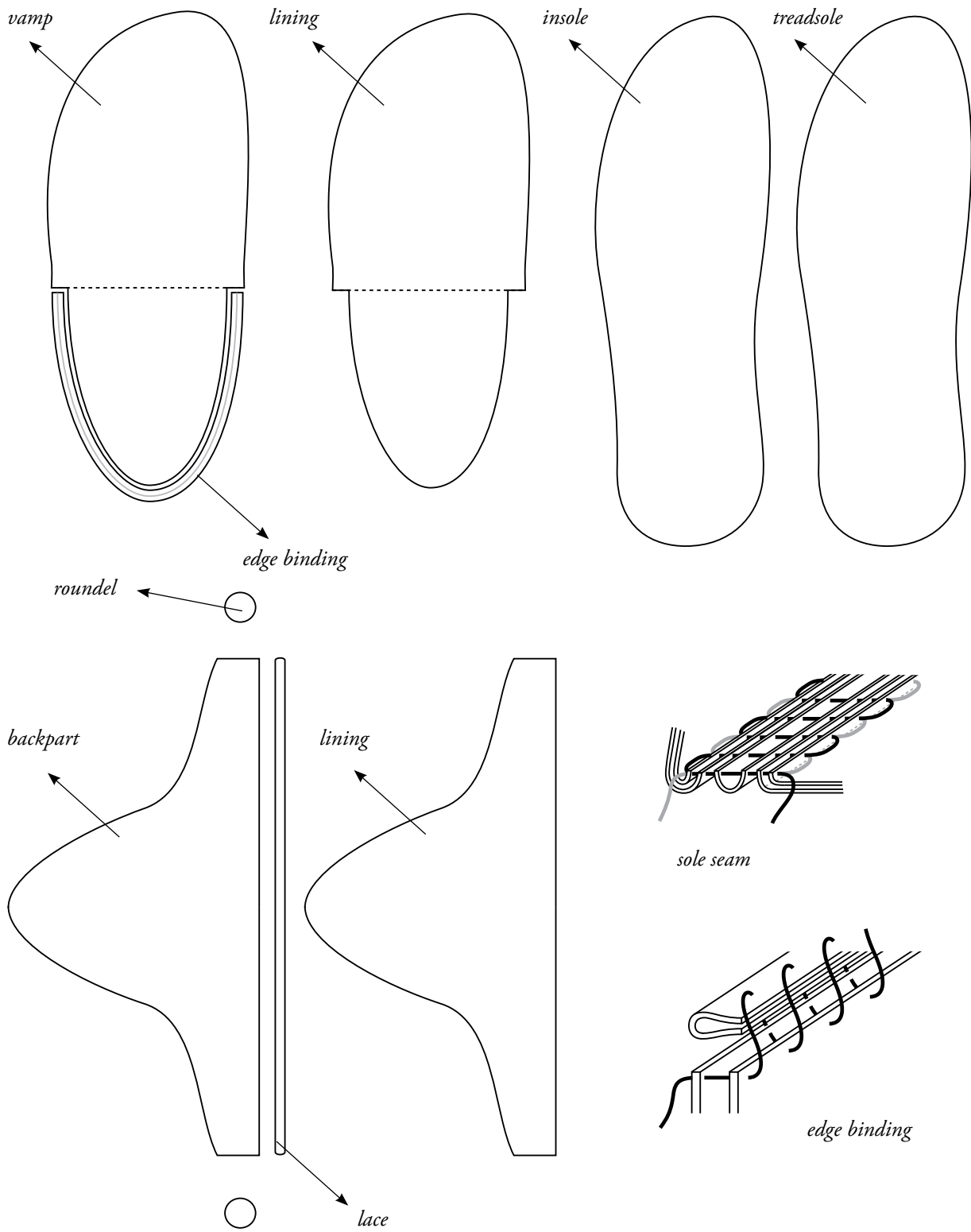
This type of turnshoe has been discussed in the Qasr Ibrim Ottoman footwear volume (Veldmeijer, 2012: 154). See the description of the type for more details (Veldmeijer, 2012: 95, 106-122).



973.24.2973. A complete shoe. Dorsal and ventral view.



973.24.2973. Detail of the insert of the backpart extension (left) and of the edge binding of the vamp extension (right). Scale bars are 10 mm.



973.24.2973. Cutting pattern.



973.24.2973. Detail of the insert side seam with roundel and passepoil as well as the sole seam with rand.

UNIDENTIFIED

CATALOGUE NUMBER 125

ROM Registration: Number
ROM Registration: Group

973.24.2966.2
973.24.2966.1-2
(1) Plain Plaited
Sandal (cf. Veld-
meijer, 2009a),
not included in
the present work.

Provenance The label reads “cit.loc.22 level
157.00 17/2/65”

Date ?

Measurements l: 145; w heel: 43.1; w front: 59.8; t
(incl. edge): 3.9

Colour Dark brown

Description
A complete sole, with a hole from wear. The edge is
folded inwards and is wavy, suggesting short stitches
with bigger interstitch spaces (running stitches).

Excavation/Field Number

Object Sole

Type ?



973.24.2966.2. A complete sole. Dorsal and ventral view.

CATALOGUE NUMBER 126

<i>ROM Registration: Number</i>	973.24.2963.3	<i>Provenance</i>	?
<i>ROM Registration: Group</i>	973.24.2963.1-3	<i>Date</i>	?
	(1), (2) See forthcoming second volume	<i>Measurements</i>	130.1 x 128.2; t: 2.3
		<i>Colour</i>	Dark brown
<i>Excavation/Field Number</i>	-	<i>Description</i>	Irregularly-shaped fragment with flax stitching (interlocking stitching).
<i>Object</i>	Upper fragment		
<i>Type</i>	?		



973.24.2963.3. Upper fragment. Recto (grain surface) and verso (flesh surface).

CONCORDANCE

Abbreviations: C. - Cemetery; CN: Classic Nubian; Ind. - Independent; Reinf. - Reinforced; M. - Montembault (2000); T. - Tomb; T.C. - Tomb Card; V. - Veldmeijer (2012).

CATALOGUE NUMBER

Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date	Provenance
1	973.24.2010.1	63:12:50	CN IA	Sandal	Late Meroitic	C. 3, T. 508, T. C. 3
1	973.24.2010.2	63:12:50	CN IA	Sandal	Late Meroitic	C. 3, T. 508, T. C. 3
2	973.24.2696.2	63:3:368	CN IA	Sandal	Late Meroitic	C. 3, T. 89, T. C. 5
2	973.24.2696.3	63:3:368	CN IA	Sandal	Late Meroitic	C. 3, T. 89, T. C. 5
3	973.24.2698.1	63:4:302	CN IA	Sandal	Late Meroitic	C. 3, T. 268, T. C. 5
3	973.24.2698.2	63:4:302	CN IA	Sandal	Late Meroitic	C. 3, T. 268, T. C. 5
4	973.24.2739	63:12:152	CN IA	Sandal	Early Post-Meroitic	C. 3, T. 447, T. C. 5
5	973.24.2755.1	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
5	973.24.2755.2	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
5	973.24.2755.3	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
5	973.24.2755.4	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
5	973.24.2755.5	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
5	973.24.2755.6	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
6	973.24.2763.1	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
6	973.24.2763.2	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
6	973.24.2763.3	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
6	973.24.2763.4	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
6	973.24.2763.5	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
7	973.24.2941.1	-	CN IA	Sandal	?	Locus ?
7	973.24.2941.2	-	CN IA	Sandal	?	Locus ?
8	973.24.2950.1	-	CN IA	Sandal	?	Locus ?
8	973.24.2950.2	-	CN IA	Sandal	?	Locus ?
9	973.24.2960.1	-	CN IA	Sandal	?	Locus ?
9	973.24.2960.2	-	CN IA	Sandal	?	Locus ?
9	973.24.2960.3	-	CN IA	Sandal	?	Locus ?
9	973.24.2960.4	-	CN IA	Sandal	?	Locus ?
9	973.24.2960.5	-	CN IA	Sandal	?	Locus ?
10	973.24.2968	-	CN IA	Sandal	?	Locus ?
11	973.24.2680.1	63:4:331	CN IA	Sandal	?	C. 3, T. 278, T. C. 6
11	973.24.2680.2	63:4:331	CN IA	Sandal	?	C. 3, T. 278, T. C. 6
12	973.24.2970	-	CN IA	Sandal	?	Locus ?
13	973.24.3260	-	CN IA	Sandal	?	C. 3, T. 774, T. C. 5
14	973.24.3320.1	-	CN IA	Sandal	?	C. 3, T. 762, T. C. 2
14	973.24.3320.2	-	CN IA	Sandal	?	C. 3, T. 762, T. C. 2
14	973.24.3320.3	-	CN IA	Sandal	?	C. 3, T. 762, T. C. 2
15	973.24.2971.2	-	CN IA	Sandal	?	Locus ?

Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date	Provenance
16	973.24.3325.2	-	CN IA	Sandal	?	C. 4, T. 242, T. C.s 5 and 9
17	973.24.3345	-	CN IA	Sandal	?	Locus ?
18	973.24.3378	-	CN IA	Sandal	?	C. 3, T. 807, T. C. 1
19	973.24.3246.1	-	CN IA	Sandal	?	4-44
19	973.24.3246.2	-	CN IA	Sandal	?	4-44
20	973.24.3329.1	-	CN IA	Sandal	?	197-5
20	973.24.3329.2	-	CN IA	Sandal	?	197-5
20	973.24.3329.3	-	Unidentified	Sandal	?	197-5
20	973.24.3329.4	-	Unidentified	Sandal	?	197-5
21	973.24.2938.1	64:2:14	CN IB(?)	Sandal	?	C. 3, T. 803, T. C. 3
21	973.24.2938.2	64:2:14	Unidentified	Sandal	?	C. 3, T. 803, T. C. 3
22	973.24.2011.1	63:12:55	CN IB	Sandal	Late or Post-Meroitic	C. 3, T. 515, T. C. 1
22	973.24.2011.2	63:12:55	CN IB	Sandal	Late or Post-Meroitic	C. 3, T. 515, T. C. 1
23	973.24.2674.1	63:3:244	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 86, T. C. 6
23	973.24.2674.2	63:3:244	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 86, T. C. 6
24	973.24.2678.1	63:4:37	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 338, T. C. 10
24	973.24.2678.2	63:4:37	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 338, T. C. 10
25	973.24.2679.1	63:4:323	CN IB	Sandal	?	C. 3, T. 281, T. C. 4
25	973.24.2679.2	63:4:323	CN IB	Sandal	?	C. 3, T. 281, T. C. 4
26	973.24.3224.1	63:3:269	CN IB	Sandal	?	C. 3, T. 120
26	973.24.3224.2	63:3:269	CN IB	Sandal	?	C. 3, T. 120
27	973.24.2753	63:3:370	CN IB	Sandal	Late Meroitic?	C. 3, T. 46
28	973.24.2682.1	63:4:352	CN IB	Sandal	Late Meroitic	C. 3, T. 343, T. C. 4
28	973.24.2682.2	63:4:352	Unidentified	Sandal	Late Meroitic	C. 3, T. 343, T. C. 4
28	973.24.2682.3	63:4:352	Unidentified	Sandal	Late Meroitic	C. 3, T. 343, T. C. 4
29	973.24.2685	63:12:120	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 449, T. C. 4
30	973.24.2686.1	64:2:20	CN IB	Sandal	Late Meroitic	C. 3, T. 726, T. C. 3
30	973.24.2686.2	64:2:20	CN IB	Sandal	Late Meroitic	C. 3, T. 726, T. C. 3
30	973.24.2686.3	64:2:20	CN IB	Sandal	Late Meroitic	C. 3, T. 726, T. C. 3
31	973.24.2691.1	63:12:93	CN IB	Sandal	Late Meroitic	C. 3, T. 428, T. C. 3
31	973.24.2691.2	63:12:93	CN IB	Sandal	Late Meroitic	C. 3, T. 428, T. C. 3
32	973.24.2692.1	63:12:146	CN IB	Sandal	Post-Meroitic?	C. 3, T. 446, T. C. 2
32	973.24.2692.2	63:12:146	CN IB	Sandal	Post-Meroitic?	C. 3, T. 446, T. C. 2
33	973.24.2697.1	63:4:182	CN IB	Sandal	Late Meroitic	C. 3, T. 402, T. C. 6
33	973.24.2697.2	63:4:182	CN IB	Sandal	Late Meroitic	C. 3, T. 402, T. C. 6
34	973.24.2700.1	63:2:174	CN IB	Sandal	Post-Meroitic	C. 1, T. 53
34	973.24.2700.2	63:2:174	CN IB	Sandal	Post-Meroitic	C. 1, T. 53

Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date	Provenance
34	973.24.2700.3	63:2:174	CN IB	Sandal	Post-Meroitic	C. 1, T. 53
34	973.24.2700.4	63:2:174	CN IB	Sandal	Post-Meroitic	C. 1, T. 53
35	973.24.2702	63:3:122	CN IB	Sandal	Post-Meroitic	C. 3, T. 24, T. C. 6
36	973.24.2754	63:4:110	CN IB	Sandal	Post-Meroitic	C. 3, T. 370, T. C. 6
37	973.24.2756.1	63:4:120	CN IB	Sandal	Late or Post-Meroitic	C. 3, T. 354, T. C. 4
37	973.24.2756.2	63:4:120	CN IB	Sandal	Late or Post-Meroitic	C. 3, T. 354, T. C. 4
38	973.24.2757	64:1:104	CN IB	Sandal	Early Post-Meroitic?	C. 3, T. 719, T. C. 1
39	973.24.2760	64:1:169	CN IB	Sandal	Late Post-Meroitic	C. 3, T. 721, T. C. 8
40	973.24.2761.1	64:1:233	CN IB	Sandal	Post-Meroitic?	C. 1, T. 184, T. C. 12
40	973.24.2761.2	64:1:233	CN IB	Sandal	Post-Meroitic?	C. 1, T. 184, T. C. 12
41	973.24.2949.1	-	CN IB	Sandal	?	Locus ?
41	973.24.2949.2	-	CN IB	Sandal	?	Locus ?
42	973.24.2951.1	-	CN IB	Sandal	?	Locus ?
42	973.24.2951.2	-	Unidentified	Sandal	?	Locus ?
43	973.24.2957.1	-	CN IB	Sandal	?	Locus ?
43	973.24.2957.2	-	CN IB	Sandal	?	Locus ?
43	973.24.2957.3	-	CN IB	Sandal	?	Locus ?
44	973.24.2958	-	CN IB	Sandal	?	Locus ?
45	973.24.2959	-	CN IB	Sandal	?	Locus ?
46	973.24.2972	-	CN IB	Sandal	?	Locus ?
47	973.24.3262	-	CN IB	Sandal	?	C. 3, T. 629, T. C. 5
48	973.24.3373	-	CN IB?	Sandal	?	C. 3, T. 721, T. C. 6
49	973.24.2677.1	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
49	973.24.2677.2	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
49	973.24.2677.3	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
49	973.24.2677.4	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
49	973.24.2677.5	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
50	973.24.2687.1	63:3:215	CN IB/C	Sandal	Late Meroitic	C. 3, T. 73, T. C. 5
50	973.24.2687.2	63:3:215	Unidentified	Sandal	Late Meroitic	C. 3, T. 73, T. C. 5
50	973.24.2687.3	63:3:215	Unidentified	Sandal	Late Meroitic	C. 3, T. 73, T. C. 5
51	973.24.2671.1	63:2:192	CN IC	Sandal	Post-Meroitic	C. 1, T. 13
51	973.24.2671.2	63:2:192	CN IC	Sandal	Post-Meroitic	C. 1, T. 13
52	973.24.2684	63:12:90	CN IC	Sandal	Early Post-Meroitic	C. 3, T. 447, T. C. 3
53	973.24.2701.1	63:2:180	CN IC	Sandal	Post-Meroitic	C. 1, T. 110, T. C. 28
53	973.24.2701.2	63:2:180	CN IC	Sandal	Post-Meroitic	C. 1, T. 110, T. C. 28
53	973.24.2701.3	63:2:180	CN IC	Sandal	Post-Meroitic	C. 1, T. 110, T. C. 28
54	973.24.3249	-	CN IC	Sandal	?	Locus ?
55	973.24.2693.1	64:1:197	CN IC	Sandal	Early Post-Meroitic	C. 3, T. 732, T. C. 2
55	973.24.2693.2	64:1:197	CN IC	Sandal	Early Post-Meroitic	C. 3, T. 732, T. C. 2
56	973.24.3230.1	63:12:119	CN IC	Sandal	?	C. 3, T. 485, T. C. 9
56	973.24.3230.2	63:12:119	CN IC	Sandal	?	C. 3, T. 485, T. C. 9
57	973.24.3322.1	-	CN I?	Sandal	?	C. 3, T. 232, T. C. 1
58	973.24.2012.1	64:1:211	CN IIA	Sandal	Early Post-Meroitic	C. 3, T. 732, T. C. 7
58	973.24.2012.2	64:1:211	CN IIA	Sandal	Early Post-Meroitic	C. 3, T. 732, T. C. 7
59	973.24.671.1	64:2:15.1	CN IIIA	Sandal	Late Meroitic	C. 3, T. 800, T. C. 1 + 6
59	973.24.671.2	64:2:15.2	CN IIIA	Sandal	Late Meroitic	C. 3, T. 800, T. C. 1 + 6
60	973.24.760	64:1:310	CN IIIA	Sandal	Late Meroitic	C. 3, T. 772, T. C. 6

Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date	Provenance
61	973.24.2699	64:1:210	CN IIIA	Sandal	Late Meroitic	C. 3, T. 748, T. C. 1
62	973.24.2953	-	CN IIIA	Sandal	?	Locus ?
63	973.24.2762	64:2:145	CN IIIA	Sandal	Early Post-Meroitic?	C. 3, T. 853, T. C. 1
64	973.24.3332.1	-	CN IIIA	Sandal	?	C. 3, T. 801, T. C. 9
64	973.24.3332.2	-	CN IIIA	Sandal	?	C. 3, T. 801, T. C. 9
65	973.24.2952.1	-	CN IIIA?	Sandal	?	Locus ?
65	973.24.2952.2	-	CN IIIA?	Sandal	?	Locus ?
66	973.24.3334.1	-	CN IIIA	Sandal	?	C. 3, T. 287
66	973.24.3334.2	-	CN IIIA	Sandal	?	C. 3, T. 287
67	973.24.3374.1	-	CN IIIA	Sandal	?	C. 3, T. 287, T. C. 2 + 3
67	973.24.3374.2	-	CN IIIA	Sandal	?	C. 3, T. 287, T. C. 2 + 3
67	973.24.3374.3	-	CN IIIA	Sandal	?	C. 3, T. 287, T. C. 2 + 3
67	973.24.3374.4	-	CN IIIA	Sandal	?	C. 3, T. 287, T. C. 2 + 3
68	973.24.2690	63:4:85	CN IIIB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 226
69	973.24.2971.1	-	CN IIIB	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)(?)	Locus ?
70	973.24.2943.1	-	CN IIIB	Sandal	?	Locus ?
70	973.24.2943.2	-	CN IIIB	Sandal	?	Locus ?
70	973.24.2943.3	-	CN IIIB	Sandal	?	Locus ?
70	973.24.2943.6	-	CN IIIB	Sandal	?	Locus ?
71	973.24.3242.2	-	CN III?	Sandal	?	C. 3 or 5 ?, S 749
72	973.24.3340	-	CN III?	Sandal	?	C. 3, T. 807, T. C. 9
73	973.24.2940.1	-	CN III?	Sandal	?	Locus ?
73	973.24.2940.2	-	CN III?	Sandal	?	Locus ?
73	973.24.2940.3	-	CN III?	Sandal	?	Locus ?
74	973.24.3296	-	CN III?	Sandal	?	C. 3, T. 736, T. C. 1
75	973.24.2676.1	63:3:367	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 6, T. C. 10
75	973.24.2676.2	63:3:367	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 6, T. C. 10
76	973.24.2737.1	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
76	973.24.2737.2	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
76	973.24.2737.3	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
76	973.24.2737.4	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
76	973.24.2737.5	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
76	973.24.2737.6	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
77	973.24.2683.1	63:4:354	Toe-Shaped II	Sandal	Late Meroitic	C. 3, T. 343, T. C. 1
77	973.24.2683.2	63:4:354	Toe-Shaped II	Sandal	Late Meroitic	C. 3, T. 343, T. C. 1
78	973.24.2764	65:1:24	Reinf. Plait.	Sandal	Late Christian/Ottoman	Trench 6, Section 1, Meter 2
79	973.24.2967.2	-	Reinf. Plait.	Sandal	Late Christian/Ottoman	Locus ?
80	973.24.3303.3	-	Reinf. Plait.	Sandal	Late Christian/Ottoman	Trench 7/104-60
81	973.24.3299.1	-	Ind. pre-strap	Sandal	?	SW wall of church 7 above windows
82	973.24.3328.1	-	Ind. pre-strap	Sandal	?	Locus ?
82	973.24.3328.2	-	Ind. pre-strap	Sandal	?	Locus ?
83	973.24.3303.1	-	Ind. pre-strap	Sandal	?	Trench 7/104-60

Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date	Provenance
84	973.24.2967.1	-	Ind. pre-strap	Sandal	?	Locus ?
85	973.24.2962	-	Ind. pre-strap	Sandal	?	Locus ?
86	973.24.2969	-	Ind. pre-strap	Sandal	?	Locus ?
87	973.24.2954.2	-	Ind. pre-strap	Sandal	?	Locus ?
87	973.24.2954.3	-	Ind. pre-strap	Sandal	?	Locus ?
88	973.24.3372	-	Ind. pre-strap	Sandal	Late Christian/Ottoman	100 G
89	973.24.2675.1	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.10	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.2	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.3	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.4	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.5	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.6	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.7	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.8	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
89	973.24.2675.9	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
90	973.24.672	64:1:332	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 775, T. C. 2
91	973.24.2759.1	63:4:122	Ind. pre-strap	Sandal	Late or Post-Meroitic	C. 3, T. 207, T. C. 2
91	973.24.2759.2	63:4:122	Ind. pre-strap	Sandal	Late or Post-Meroitic	C. 3, T. 207, T. C. 2
92	973.24.2893.1	63:4:351	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 372, T. C. 5
93	973.24.2942.1	-	Ind. pre-strap	Sandal	?	Locus ?
93	973.24.2942.2	-	Ind. pre-strap	Sandal	?	Locus ?
93	973.24.2942.3	-	Ind. pre-strap	Sandal	?	Locus ?
93	973.24.2942.4	-	Ind. pre-strap	Sandal	?	Locus ?
94	973.24.2939.1	-	Ind. pre-strap	Sandal	?	Locus ?
94	973.24.2939.2	-	Ind. pre-strap	Sandal	?	Locus ?
94	973.24.2939.3	-	Ind. pre-strap	Sandal	?	Locus ?
95	973.24.2974.1	-	Ind. pre-strap	Sandal	?	Locus ?
95	973.24.2974.2	-	Ind. pre-strap	Sandal	?	Locus ?
95	973.24.2974.3	-	Ind. pre-strap	Sandal	?	Locus ?
95	973.24.2974.4	-	Ind. pre-strap	Sandal	?	Locus ?
96	973.24.3303.2	-	Unidentified	Sandal	?	Trench 7/104-60
97	973.24.2670.1	63:2:179	Unidentified	Sandal	Post-Meroitic	C. 1, T. 54, T. C. 6
97	973.24.2670.2	63:2:179	Unidentified	Sandal	Post-Meroitic	C. 1, T. 54, T. C. 6
97	973.24.2670.3	63:2:179	Unidentified	Sandal	Post-Meroitic	C. 1, T. 54, T. C. 6
98	973.24.2688	63:4:1	Unidentified	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)	C. 3, T. 165, T. C. 4
99	973.24.2893.2	63:4:351	Unidentified	Sandal	Late Meroitic	C. 3, T. 372, T. C. 5
100	973.24.2788	63:3:118	Unidentified	Sandal	Late Meroitic	C. 3, Pyramid 1, T. C. 1
101	973.24.2946.1	-	Unidentified	Sandal	?	Locus ?
101	973.24.2946.2	-	Unidentified	Sandal	?	Locus ?
101	973.24.2946.3	-	Unidentified	Sandal	?	Locus ?
101	973.24.2946.4	-	Unidentified	Sandal	?	Locus ?
102	973.24.2947	-	Unidentified	Sandal	?	Locus ?
103	973.24.2955.1	-	Unidentified	Sandal	?	Locus ?
104	973.24.2956.1	-	Unidentified	Sandal	?	Locus ?

Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date	Provenance
105	973.24.3324.1	-	Unidentified	Sandal	?	C. 3, T. 836, T. C. 8
105	973.24.3324.2	-	Unidentified	Sandal	?	C. 3, T. 836, T. C. 8
105	973.24.3324.3	-	Unidentified	Sandal	?	C. 3, T. 836, T. C. 8
106	973.24.2937.1	63:2:210	Unidentified	Sandal	Post-Meroitic	C. 1, T. 121, T. C. 21
106	973.24.2937.13	63:2:210	Unidentified	Sandal	Post-Meroitic	C. 1, T. 121, T. C. 21
106	973.24.2937.5	63:2:210	Unidentified	Sandal	Post-Meroitic	C. 1, T. 121, T. C. 21
107	973.24.3283.3	-	Unidentified	Sandal	?	C. 3, T. 711, T. C. 2
108	973.24.3330.3	-	Unidentified	Sandal	?	Locus ?
109	973.24.3360.1	-	Unidentified	Sandal	?	C. 1, T. 39
109	973.24.3360.2	-	Unidentified	Sandal	?	C. 1, T. 39
110	973.24.3364	-	Unidentified	Sandal	?	1-42
111	973.24.3382.3	-	Unidentified	Sandal	?	Locus ?
111	973.24.3382.4	-	Unidentified	Sandal	?	Locus ?
112	973.24.2673.1	63:3:217	Unidentified	Sandal	Post-Meroitic	C. 3, T. 37
112	973.24.2673.2	63:3:217	Unidentified	Sandal	Post-Meroitic	C. 3, T. 37
113	973.24.797.3	64:2:144	Unidentified	Sandal	Post-Meroitic	C. 3, T. 853, T. C. 2 + 11
114	973.24.2672.1	63:2:419	M's IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
114	973.24.2672.2	63:2:419	M's IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
114	973.24.2672.3	63:2:419	M's IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
114	973.24.2672.4	63:2:419	M's IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
114	973.24.2672.5	63:2:419	M's IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
114	973.24.2672.6	63:2:419	M's IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
114	973.24.2672.7	63:2:419	M's IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
114	973.24.2672.8	63:2:419	M's IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
115	973.24.673	63:12:46	?	Shoe	Late Meroitic	C. 3, T. 510, T. C. 4
116	973.24.2758.1	63:3:268	M's X, B, 2	Shoe	Early Post-Meroitic	C. 3, T. 120
116	973.24.2758.2	63:3:268	M's X, B, 2	Shoe	Early Post-Meroitic	C. 3, T. 120
117	973.24.3225	64:2:16	M's X, B, 2	Shoe	?	C. 3, T. 743, T. C. 5
118	973.24.2694	66:2:151	Fustat	Shoe	Late Christian	Citadel locus 337 room 1
118	973.24.2695	66:2:152	Fustat	Shoe	Late Christian	Citadel below locus 307 between first and second floors
119	973.24.2704.1	66:1:9	Fustat	Shoe	Late Christian	Citadel church 4 in coffin at foot end
119	973.24.2704.2	66:1:9	Fustat	Shoe	Late Christian	Citadel church 4 in coffin at foot end
120	973.24.2735.1	63:12:134	Stubbed-Toe	Shoe	Post-Meroitic?	C. 3, T. 466, T. C. 1
120	973.24.2735.2	63:12:134	Stubbed-Toe	Shoe	Post-Meroitic?	C. 3, T. 466, T. C. 1
121	973.24.3300	65:1:29	M's IV, B, 3	Shoe	Ottoman	Trench 6
122	973.24.3299.2	-	M's IV, B, 3	Shoe	Ottoman	SW wall of church 7 above windows
123	973.24.2961	-	V's XII, C, 2	Shoe	Ottoman	Locus ?
124	973.24.2973	-	V's XII, C, 2	Shoe	Ottoman	Locus ?
125	973.24.2966.2	-	Unidentified	Shoe	?	Locus ?
126	973.24.2963.3	-	Unidentified	Shoe	?	Locus ?

ROM REGISTRATION NUMBER

Reg. No.	Cat. No.	Exc. Field No.	Type	Object	Date	Provenance
973.24.2010.1	1	63:12:50	CN IA	Sandal	Late Meroitic	C. 3, T. 508, T. C. 3
973.24.2010.2	1	63:12:50	CN IA	Sandal	Late Meroitic	C. 3, T. 508, T. C. 3
973.24.2011.1	22	63:12:55	CN IB	Sandal	Late or Post-Meroitic	C. 3, T. 515, T. C. 1
973.24.2011.2	22	63:12:55	CN IB	Sandal	Late or Post-Meroitic	C. 3, T. 515, T. C. 1
973.24.2012.1	58	64:1:211	CN IIA	Sandal	Early Post-Meroitic	C. 3, T. 732, T. C. 7
973.24.2012.2	58	64:1:211	CN IIA	Sandal	Early Post-Meroitic	C. 3, T. 732, T. C. 7
973.24.2670.1	97	63:2:179	Unidentified	Sandal	Post-Meroitic	C. 1, T. 54, T. C. 6
973.24.2670.2	97	63:2:179	Unidentified	Sandal	Post-Meroitic	C. 1, T. 54, T. C. 6
973.24.2670.3	97	63:2:179	Unidentified	Sandal	Post-Meroitic	C. 1, T. 54, T. C. 6
973.24.2671.1	51	63:2:192	CN IC	Sandal	Post-Meroitic	C. 1, T. 13
973.24.2671.2	51	63:2:192	CN IC	Sandal	Post-Meroitic	C. 1, T. 13
973.24.2672.1	114	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
973.24.2672.2	114	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
973.24.2672.3	114	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
973.24.2672.4	114	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
973.24.2672.5	114	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
973.24.2672.6	114	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
973.24.2672.7	114	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
973.24.2672.8	114	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic	C. 1, T. 142, T. C. 20
973.24.2673.1	112	63:3:217	Unidentified	Sandal	Post-Meroitic	C. 3, T. 37
973.24.2673.2	112	63:3:217	Unidentified	Sandal	Post-Meroitic	C. 3, T. 37
973.24.2674.1	23	63:3:244	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 86, T. C. 6
973.24.2674.2	23	63:3:244	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 86, T. C. 6
973.24.2675.1	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.10	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.2	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.3	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.4	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.5	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.6	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.7	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.8	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2675.9	89	63:3:245	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 73, T. C. 6
973.24.2676.1	75	63:3:367	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 6, T. C. 10
973.24.2676.2	75	63:3:367	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 6, T. C. 10
973.24.2677.1	49	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
973.24.2677.2	49	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
973.24.2677.3	49	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
973.24.2677.4	49	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2
973.24.2677.5	49	63:3:372	CN IB/C	Sandal	Late Meroitic	C. 3, T. 81, T. C. 2

Reg. No.	Cat. No.	Exc. Field No.	Type	Object	Date	Provenance
973.24.2678.1	24	63:4:37	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 338, T. C. 10
973.24.2678.2	24	63:4:37	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 338, T. C. 10
973.24.2679.1	25	63:4:323	CN IB	Sandal	?	C. 3, T. 281, T. C. 4
973.24.2679.2	25	63:4:323	CN IB	Sandal	?	C. 3, T. 281, T. C. 4
973.24.2680.1	11	63:4:331	CN IA	Sandal	?	C. 3, T. 278, T. C. 6
973.24.2680.2	11	63:4:331	CN IA	Sandal	?	C. 3, T. 278, T. C. 6
973.24.2682.1	28	63:4:352	CN IB	Sandal	Late Meroitic	C. 3, T. 343, T. C. 4
973.24.2682.2	28	63:4:352	Unidentified	Sandal	Late Meroitic	C. 3, T. 343, T. C. 4
973.24.2682.3	28	63:4:352	Unidentified	Sandal	Late Meroitic	C. 3, T. 343, T. C. 4
973.24.2683.1	77	63:4:354	Toe-Shaped II	Sandal	Late Meroitic	C. 3, T. 343, T. C. 1
973.24.2683.2	77	63:4:354	Toe-Shaped II	Sandal	Late Meroitic	C. 3, T. 343, T. C. 1
973.24.2684	52	63:12:90	CN IC	Sandal	Early Post-Meroitic	C. 3, T. 447, T. C. 3
973.24.2685	29	63:12:120	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 449, T. C. 4
973.24.2686.1	30	64:2:20	CN IB	Sandal	Late Meroitic	C. 3, T. 726, T. C. 3
973.24.2686.2	30	64:2:20	CN IB	Sandal	Late Meroitic	C. 3, T. 726, T. C. 3
973.24.2686.3	30	64:2:20	CN IB	Sandal	Late Meroitic	C. 3, T. 726, T. C. 3
973.24.2687.1	50	63:3:215	CN IB/C	Sandal	Late Meroitic	C. 3, T. 73, T. C. 5
973.24.2687.2	50	63:3:215	Unidentified	Sandal	Late Meroitic	C. 3, T. 73, T. C. 5
973.24.2687.3	50	63:3:215	Unidentified	Sandal	Late Meroitic	C. 3, T. 73, T. C. 5
973.24.2688	98	63:4:1	Unidentified	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 165, T. C. 4
973.24.2690	68	63:4:85	CN IIIB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 226
973.24.2691.1	31	63:12:93	CN IB	Sandal	Late Meroitic	C. 3, T. 428, T. C. 3
973.24.2691.2	31	63:12:93	CN IB	Sandal	Late Meroitic	C. 3, T. 428, T. C. 3
973.24.2692.1	32	63:12:146	CN IB	Sandal	Post-Meroitic?	C. 3, T. 446, T. C. 2
973.24.2692.2	32	63:12:146	CN IB	Sandal	Post-Meroitic?	C. 3, T. 446, T. C. 2
973.24.2693.1	55	64:1:197	CN IC	Sandal	Early Post-Meroitic	C. 3, T. 732, T. C. 2
973.24.2693.2	55	64:1:197	CN IC	Sandal	Early Post-Meroitic	C. 3, T. 732, T. C. 2
973.24.2694	118	66:2:151	Fustat	Shoe	Late Christian	Citadel locus 337 room 1
973.24.2695	118	66:2:152	Fustat	Shoe	Late Christian	Citadel below locus 307 between first and second floors
973.24.2696.2	2	63:3:368	CN IA	Sandal	Late Meroitic	C. 3, T. 89, T. C. 5
973.24.2696.3	2	63:3:368	CN IA	Sandal	Late Meroitic	C. 3, T. 89, T. C. 5
973.24.2697.1	33	63:4:182	CN IB	Sandal	Late Meroitic	C. 3, T. 402, T. C. 6
973.24.2697.2	33	63:4:182	CN IB	Sandal	Late Meroitic	C. 3, T. 402, T. C. 6
973.24.2698.1	3	63:4:302	CN IA	Sandal	Late Meroitic	C. 3, T. 268, T. C. 5
973.24.2698.2	3	63:4:302	CN IA	Sandal	Late Meroitic	C. 3, T. 268, T. C. 5
973.24.2699	61	64:1:210	CN IIIA	Sandal	Late Meroitic	C. 3, T. 748, T. C. 1

Reg. No.	Cat. No.	Exc. Field No.	Type	Object	Date	Provenance
973.24.2700.1	34	63:2:174	CN IB	Sandal	Post-Meroitic	C. 1, T. 53
973.24.2700.2	34	63:2:174	CN IB	Sandal	Post-Meroitic	C. 1, T. 53
973.24.2700.3	34	63:2:174	CN IB	Sandal	Post-Meroitic	C. 1, T. 53
973.24.2700.4	34	63:2:174	CN IB	Sandal	Post-Meroitic	C. 1, T. 53
973.24.2701.1	53	63:2:180	CN IC	Sandal	Post-Meroitic	C. 1, T. 110, T. C. 28
973.24.2701.2	53	63:2:180	CN IC	Sandal	Post-Meroitic	C. 1, T. 110, T. C. 28
973.24.2701.3	53	63:2:180	CN IC	Sandal	Post-Meroitic	C. 1, T. 110, T. C. 28
973.24.2702	35	63:3:122	CN IB	Sandal	Post-Meroitic	C. 3, T. 24, T. C. 6
973.24.2704.1	119	66:1:9	Fustat	Shoe	Late Christian	Citadel church 4 in coffin at foot end
973.24.2704.2	119	66:1:9	Fustat	Shoe	Late Christian	Citadel church 4 in coffin at foot end
973.24.2735.1	120	63:12:134	Stubbed-Toe	Shoe	Post-Meroitic?	C. 3, T. 466, T. C. 1
973.24.2735.2	120	63:12:134	Stubbed-Toe	Shoe	Post-Meroitic?	C. 3, T. 466, T. C. 1
973.24.2737.1	76	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
973.24.2737.2	76	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
973.24.2737.3	76	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
973.24.2737.4	76	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
973.24.2737.5	76	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
973.24.2737.6	76	63:3:369	Toe-Shaped I	Sandal	Late Meroitic	C. 3, T. 137, T. C. 1
973.24.2739	4	63:12:152	CN IA	Sandal	Early Post-Meroitic	C. 3, T. 447, T. C. 5
973.24.2753	27	63:3:370	CN IB	Sandal	Late Meroitic?	C. 3, T. 46
973.24.2754	36	63:4:110	CN IB	Sandal	Post-Meroitic	C. 3, T. 370, T. C. 6
973.24.2755.1	5	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
973.24.2755.2	5	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
973.24.2755.3	5	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
973.24.2755.4	5	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
973.24.2755.5	5	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
973.24.2755.6	5	63:3:243	CN IA	Sandal	Post-Meroitic	C. 3, T. 98, T. C. 3
973.24.2756.1	37	63:4:120	CN IB	Sandal	Late or Post-Meroitic	C. 3, T. 354, T. C. 4
973.24.2756.2	37	63:4:120	CN IB	Sandal	Late or Post-Meroitic	C. 3, T. 354, T. C. 4
973.24.2757	38	64:1:104	CN IB	Sandal	Early Post-Meroitic?	C. 3, T. 719, T. C. 1
973.24.2758.1	116	63:3:268	M.'s X, B, 2	Shoe	Early Post-Meroitic	C. 3, T. 120
973.24.2758.2	116	63:3:268	M.'s X, B, 2	Shoe	Early Post-Meroitic	C. 3, T. 120
973.24.2759.1	91	63:4:122	Ind. pre-strap	Sandal	Late or Post-Meroitic	C. 3, T. 207, T. C. 2
973.24.2759.2	91	63:4:122	Ind. pre-strap	Sandal	Late or Post-Meroitic	C. 3, T. 207, T. C. 2
973.24.2760	39	64:1:169	CN IB	Sandal	Late Post-Meroitic	C. 3, T. 721, T. C. 8
973.24.2761.1	40	64:1:233	CN IB	Sandal	Post-Meroitic?	C. 1, T. 184, T. C. 12
973.24.2761.2	40	64:1:233	CN IB	Sandal	Post-Meroitic?	C. 1, T. 184, T. C. 12
973.24.2762	63	64:2:145	CN IIIA	Sandal	Early Post-Meroitic?	C. 3, T. 853, T. C. 1
973.24.2763.1	6	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
973.24.2763.2	6	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
973.24.2763.3	6	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
973.24.2763.4	6	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
973.24.2763.5	6	64:12:146	CN IA	Sandal	Post-Meroitic?	C. 3, T. 446
973.24.2764	78	65:1:24	Reinf. Plait.	Sandal	Late Christian/Ottoman	Trench 6, Section 1, Meter 2
973.24.2788	100	63:3:118	Unidentified	Sandal	Late Meroitic	C. 3, Pyramid 1, T. C. 1

Reg. No.	Cat. No.	Exc. Field No.	Type	Object	Date	Provenance
973.24.2893.1	92	63:4:351	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 372, T. C. 5
973.24.2893.2	99	63:4:351	Unidentified	Sandal	Late Meroitic	C. 3, T. 372, T. C. 5
973.24.2937.1	106	63:2:210	Unidentified	Sandal	Post-Meroitic	C. 1, T. 121, T. C. 21
973.24.2937.13	106	63:2:210	Unidentified	Sandal	Post-Meroitic	C. 1, T. 121, T. C. 21
973.24.2937.5	106	63:2:210	Unidentified	Sandal	Post-Meroitic	C. 1, T. 121, T. C. 21
973.24.2938.1	21	64:2:14	CN IB(?)	Sandal	?	C. 3, T. 803, T. C. 3
973.24.2938.2	21	64:2:14	Unidentified	Sandal	?	C. 3, T. 803, T. C. 3
973.24.2939.1	94	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2939.2	94	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2939.3	94	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2940.1	73	-	CN III?	Sandal	?	Locus ?
973.24.2940.2	73	-	CN III?	Sandal	?	Locus ?
973.24.2940.3	73	-	CN III?	Sandal	?	Locus ?
973.24.2941.1	7	-	CN IA	Sandal	?	Locus ?
973.24.2941.2	7	-	CN IA	Sandal	?	Locus ?
973.24.2942.1	93	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2942.2	93	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2942.3	93	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2942.4	93	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2943.1	70	-	CN IIIB	Sandal	?	Locus ?
973.24.2943.2	70	-	CN IIIB	Sandal	?	Locus ?
973.24.2943.3	70	-	CN IIIB	Sandal	?	Locus ?
973.24.2943.6	70	-	CN IIIB	Sandal	?	Locus ?
973.24.2946.1	101	-	Unidentified	Sandal	?	Locus ?
973.24.2946.2	101	-	Unidentified	Sandal	?	Locus ?
973.24.2946.3	101	-	Unidentified	Sandal	?	Locus ?
973.24.2946.4	101	-	Unidentified	Sandal	?	Locus ?
973.24.2947	102	-	Unidentified	Sandal	?	Locus ?
973.24.2949.1	41	-	CN IB	Sandal	?	Locus ?
973.24.2949.2	41	-	CN IB	Sandal	?	Locus ?
973.24.2950.1	8	-	CN IA	Sandal	?	Locus ?
973.24.2950.2	8	-	CN IA	Sandal	?	Locus ?
973.24.2951.1	42	-	CN IB	Sandal	?	Locus ?
973.24.2951.2	42	-	Unidentified	Sandal	?	Locus ?
973.24.2952.1	65	-	CN IIIA?	Sandal	?	Locus ?
973.24.2952.2	65	-	CN IIIA?	Sandal	?	Locus ?
973.24.2953	62	-	CN IIIA	Sandal	?	Locus ?
973.24.2954.2	87	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2954.3	87	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2955.1	103	-	Unidentified	Sandal	?	Locus ?
973.24.2956.1	104	-	Unidentified	Sandal	?	Locus ?
973.24.2957.1	43	-	CN IB	Sandal	?	Locus ?
973.24.2957.2	43	-	CN IB	Sandal	?	Locus ?
973.24.2957.3	43	-	CN IB	Sandal	?	Locus ?
973.24.2958	44	-	CN IB	Sandal	?	Locus ?
973.24.2959	45	-	CN IB	Sandal	?	Locus ?
973.24.2960.1	9	-	CN IA	Sandal	?	Locus ?

Reg. No.	Cat. No.	Exc. Field No.	Type	Object	Date	Provenance
973.24.2960.2	9	-	CN IA	Sandal	?	Locus ?
973.24.2960.3	9	-	CN IA	Sandal	?	Locus ?
973.24.2960.4	9	-	CN IA	Sandal	?	Locus ?
973.24.2960.5	9	-	CN IA	Sandal	?	Locus ?
973.24.2961	123	-	V's XII, C, 2	Shoe	Ottoman	Locus ?
973.24.2962	85	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2963.3	126	-	Unidentified	Shoe	?	Locus ?
973.24.2966.2	125	-	Unidentified	Shoe	?	Locus ?
973.24.2967.1	84	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2967.2	79	-	Reinf. Plait.	Sandal	Late Christian/Ottoman	Locus ?
973.24.2968	10	-	CN IA	Sandal	?	Locus ?
973.24.2969	86	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2970	12	-	CN IA	Sandal	?	Locus ?
973.24.2971.1	69	-	CN IIIB	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)(?)	Locus ?
973.24.2971.2	15	-	CN IA	Sandal	?	Locus ?
973.24.2972	46	-	CN IB	Sandal	?	Locus ?
973.24.2973	124	-	V's XII, C, 2	Shoe	Ottoman	Locus ?
973.24.2974.1	95	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2974.2	95	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2974.3	95	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.2974.4	95	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.3224.1	26	63:3:269	CN IB	Sandal	?	C. 3, T. 120
973.24.3224.2	26	63:3:269	CN IB	Sandal	?	C. 3, T. 120
973.24.3225	117	64:2:16	M.'s X, B, 2	Shoe	?	C. 3, T. 743, T. C. 5
973.24.3230.1	56	63:12:119	CN IC	Sandal	?	C. 3, T. 485, T. C. 9
973.24.3230.2	56	63:12:119	CN IC	Sandal	?	C. 3, T. 485, T. C. 9
973.24.3242.2	71	-	CN III?	Sandal	?	C. 3 or 5 ?, S 749
973.24.3246.1	19	-	CN IA	Sandal	?	4-44
973.24.3246.2	19	-	CN IA	Sandal	?	4-44
973.24.3249	54	-	CN IC	Sandal	?	Locus ?
973.24.3260	13	-	CN IA	Sandal	?	C. 3, T. 774, T. C. 5
973.24.3262	47	-	CN IB	Sandal	?	C. 3, T. 629, T. C. 5
973.24.3283.3	107	-	Unidentified	Sandal	?	C. 3, T. 711, T. C. 2
973.24.3296	74	-	CN III?	Sandal	?	C. 3, T. 736, T. C. 1
973.24.3299.1	81	-	Ind. pre-strap	Sandal	?	SW wall of church 7 above windows
973.24.3299.2	122	-	M.'s IV, B, 3	Shoe	Ottoman	SW wall of church 7 above windows
973.24.3300	121	65:1:29	M.'s IV, B, 3	Shoe	Ottoman	Trench 6
973.24.3303.1	83	-	Ind. pre-strap	Sandal	?	Trench 7/104-60
973.24.3303.2	96	-	Unidentified	Sandal	?	Trench 7/104-60
973.24.3303.3	80	-	Reinf. Plait.	Sandal	Late Christian/Ottoman	Trench 7/104-60
973.24.3320.1	14	-	CN IA	Sandal	?	C. 3, T. 762, T. C. 2
973.24.3320.2	14	-	CN IA	Sandal	?	C. 3, T. 762, T. C. 2
973.24.3320.3	14	-	CN IA	Sandal	?	C. 3, T. 762, T. C. 2

Reg. No.	Cat. No.	Exc. Field No.	Type	Object	Date	Provenance
973.24.3322.1	57	-	CN I?	Sandal	?	C. 3, T. 232, T. C. 1
973.24.3324.1	105	-	Unidentified	Sandal	?	C. 3, T. 836, T. C. 8
973.24.3324.2	105	-	Unidentified	Sandal	?	C. 3, T. 836, T. C. 8
973.24.3324.3	105	-	Unidentified	Sandal	?	C. 3, T. 836, T. C. 8
973.24.3325.2	16	-	CN IA	Sandal	?	C. 4, T. 242, T. C.s 5 and 9
973.24.3328.1	82	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.3328.2	82	-	Ind. pre-strap	Sandal	?	Locus ?
973.24.3329.1	20	-	CN IA	Sandal	?	197-5
973.24.3329.2	20	-	CN IA	Sandal	?	197-5
973.24.3329.3	20	-	Unidentified	Sandal	?	197-5
973.24.3329.4	20	-	Unidentified	Sandal	?	197-5
973.24.3330.3	108	-	Unidentified	Sandal	?	Locus ?
973.24.3332.1	64	-	CN IIIA	Sandal	?	C. 3, T. 801, T. C. 9
973.24.3332.2	64	-	CN IIIA	Sandal	?	C. 3, T. 801, T. C. 9
973.24.3334.1	66	-	CN IIIA	Sandal	?	C. 3, T. 287
973.24.3334.2	66	-	CN IIIA	Sandal	?	C. 3, T. 287
973.24.3340	72	-	CN III?	Sandal	?	C. 3, T. 807, T. C. 9
973.24.3345	17	-	CN IA	Sandal	?	Locus ?
973.24.3360.1	109	-	Unidentified	Sandal	?	C. 1, T. 39
973.24.3360.2	109	-	Unidentified	Sandal	?	C. 1, T. 39
973.24.3364	110	-	Unidentified	Sandal	?	1-42
973.24.3372	88	-	Ind. pre-strap	Sandal	Late Christian/Ottoman	100 G
973.24.3373	48	-	CN IB?	Sandal	?	C. 3, T. 721, T. C. 6
973.24.3374.1	67	-	CN IIIA	Sandal	?	C. 3, T. 287, T. C. 2 + 3
973.24.3374.2	67	-	CN IIIA	Sandal	?	C. 3, T. 287, T. C. 2 + 3
973.24.3374.3	67	-	CN IIIA	Sandal	?	C. 3, T. 287, T. C. 2 + 3
973.24.3374.4	67	-	CN IIIA	Sandal	?	C. 3, T. 287, T. C. 2 + 3
973.24.3378	18	-	CN IA	Sandal	?	C. 3, T. 807, T. C. 1
973.24.3382.3	111	-	Unidentified	Sandal	?	Locus ?
973.24.3382.4	111	-	Unidentified	Sandal	?	Locus ?
973.24.671.1	59	64:2:15.1	CN IIIA	Sandal	Late Meroitic	C. 3, T. 800, T. C. 1 + 6
973.24.671.2	59	64:2:15.2	CN IIIA	Sandal	Late Meroitic	C. 3, T. 800, T. C. 1 + 6
973.24.672	90	64:1:332	Ind. pre-strap	Sandal	Late Meroitic	C. 3, T. 775, T. C. 2
973.24.673	115	63:12:46	?	Shoe	Late Meroitic	C. 3, T. 510, T. C. 4
973.24.760	60	64:1:310	CN IIIA	Sandal	Late Meroitic	C. 3, T. 772, T. C. 6
973.24.797.3	113	64:2:144	Unidentified	Sandal	Post-Meroitic	C. 3, T. 853, T. C. 2 + 11

PROVENANCE

Provenance	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date
1-42	110	973.24.3364	-	Unidentified	Sandal	?
100 G	88	973.24.3372	-	Ind. pre-strap	Sandal	Late Christian/Ottoman
197-5	20	973.24.3329.1	-	CN IA	Sandal	?
197-5	20	973.24.3329.2	-	CN IA	Sandal	?
197-5	20	973.24.3329.3	-	Unidentified	Sandal	?
197-5	20	973.24.3329.4	-	Unidentified	Sandal	?
4-44	19	973.24.3246.1	-	CN IA	Sandal	?
4-44	19	973.24.3246.2	-	CN IA	Sandal	?
C. 1, T. 110, T. C. 28	53	973.24.2701.1	63:2:180	CN IC	Sandal	Post-Meroitic
C. 1, T. 110, T. C. 28	53	973.24.2701.2	63:2:180	CN IC	Sandal	Post-Meroitic
C. 1, T. 110, T. C. 28	53	973.24.2701.3	63:2:180	CN IC	Sandal	Post-Meroitic
C. 1, T. 121, T. C. 21	106	973.24.2937.1	63:2:210	Unidentified	Sandal	Post-Meroitic
C. 1, T. 121, T. C. 21	106	973.24.2937.13	63:2:210	Unidentified	Sandal	Post-Meroitic
C. 1, T. 121, T. C. 21	106	973.24.2937.5	63:2:210	Unidentified	Sandal	Post-Meroitic
C. 1, T. 13	51	973.24.2671.1	63:2:192	CN IC	Sandal	Post-Meroitic
C. 1, T. 13	51	973.24.2671.2	63:2:192	CN IC	Sandal	Post-Meroitic
C. 1, T. 142, T. C. 20	114	973.24.2672.1	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic
C. 1, T. 142, T. C. 20	114	973.24.2672.2	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic
C. 1, T. 142, T. C. 20	114	973.24.2672.3	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic
C. 1, T. 142, T. C. 20	114	973.24.2672.4	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic
C. 1, T. 142, T. C. 20	114	973.24.2672.5	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic
C. 1, T. 142, T. C. 20	114	973.24.2672.6	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic
C. 1, T. 142, T. C. 20	114	973.24.2672.7	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic
C. 1, T. 142, T. C. 20	114	973.24.2672.8	63:2:419	M.'s IV, B, 2	Shoe	Post-Meroitic
C. 1, T. 184, T. C. 12	40	973.24.2761.1	64:1:233	CN IB	Sandal	Post-Meroitic?
C. 1, T. 184, T. C. 12	40	973.24.2761.2	64:1:233	CN IB	Sandal	Post-Meroitic?
C. 1, T. 39	109	973.24.3360.1	-	Unidentified	Sandal	?
C. 1, T. 39	109	973.24.3360.2	-	Unidentified	Sandal	?
C. 1, T. 53	34	973.24.2700.1	63:2:174	CN IB	Sandal	Post-Meroitic
C. 1, T. 53	34	973.24.2700.2	63:2:174	CN IB	Sandal	Post-Meroitic
C. 1, T. 53	34	973.24.2700.3	63:2:174	CN IB	Sandal	Post-Meroitic
C. 1, T. 53	34	973.24.2700.4	63:2:174	CN IB	Sandal	Post-Meroitic
C. 1, T. 54, T. C. 6	97	973.24.2670.1	63:2:179	Unidentified	Sandal	Post-Meroitic
C. 1, T. 54, T. C. 6	97	973.24.2670.2	63:2:179	Unidentified	Sandal	Post-Meroitic
C. 1, T. 54, T. C. 6	97	973.24.2670.3	63:2:179	Unidentified	Sandal	Post-Meroitic
C. 3 or 5?, S 749	71	973.24.3242.2	-	CN III?	Sandal	?
C. 3, Pyramid 1, T. C. 1	100	973.24.2788	63:3:118	Unidentified	Sandal	Late Meroitic
C. 3, T. 120	26	973.24.3224.1	63:3:269	CN IB	Sandal	?
C. 3, T. 120	26	973.24.3224.2	63:3:269	CN IB	Sandal	?
C. 3, T. 120	116	973.24.2758.1	63:3:268	M.'s X, B, 2	Shoe	Early Post-Meroitic
C. 3, T. 120	116	973.24.2758.2	63:3:268	M.'s X, B, 2	Shoe	Early Post-Meroitic
C. 3, T. 137, T. C. 1	76	973.24.2737.1	63:3:369	Toe-Shaped I	Sandal	Late Meroitic
C. 3, T. 137, T. C. 1	76	973.24.2737.2	63:3:369	Toe-Shaped I	Sandal	Late Meroitic
C. 3, T. 137, T. C. 1	76	973.24.2737.3	63:3:369	Toe-Shaped I	Sandal	Late Meroitic
C. 3, T. 137, T. C. 1	76	973.24.2737.4	63:3:369	Toe-Shaped I	Sandal	Late Meroitic

Provenance	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date
C. 3, T. 137, T. C. 1	76	973.24.2737.5	63:3:369	Toe-Shaped I	Sandal	Late Meroitic
C. 3, T. 137, T. C. 1	76	973.24.2737.6	63:3:369	Toe-Shaped I	Sandal	Late Meroitic
C. 3, T. 165, T. C. 4	98	973.24.2688	63:4:1	Unidentified	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)
C. 3, T. 207, T. C. 2	91	973.24.2759.1	63:4:122	Ind. pre-strap	Sandal	Late or Post-Meroitic
C. 3, T. 207, T. C. 2	91	973.24.2759.2	63:4:122	Ind. pre-strap	Sandal	Late or Post-Meroitic
C. 3, T. 226	68	973.24.2690	63:4:85	CN IIIB	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)
C. 3, T. 232, T. C. 1	57	973.24.3322.1	-	CN I?	Sandal	?
C. 3, T. 24, T. C. 6	35	973.24.2702	63:3:122	CN IB	Sandal	Post-Meroitic
C. 3, T. 268, T. C. 5	3	973.24.2698.1	63:4:302	CN IA	Sandal	Late Meroitic
C. 3, T. 268, T. C. 5	3	973.24.2698.2	63:4:302	CN IA	Sandal	Late Meroitic
C. 3, T. 278, T. C. 6	11	973.24.2680.1	63:4:331	CN IA	Sandal	?
C. 3, T. 278, T. C. 6	11	973.24.2680.2	63:4:331	CN IA	Sandal	?
C. 3, T. 281, T. C. 4	25	973.24.2679.1	63:4:323	CN IB	Sandal	?
C. 3, T. 281, T. C. 4	25	973.24.2679.2	63:4:323	CN IB	Sandal	?
C. 3, T. 287	66	973.24.3334.1	-	CN IIIA	Sandal	?
C. 3, T. 287	66	973.24.3334.2	-	CN IIIA	Sandal	?
C. 3, T. 287, T. C. 2 + 3	67	973.24.3374.1	-	CN IIIA	Sandal	?
C. 3, T. 287, T. C. 2 + 3	67	973.24.3374.2	-	CN IIIA	Sandal	?
C. 3, T. 287, T. C. 2 + 3	67	973.24.3374.3	-	CN IIIA	Sandal	?
C. 3, T. 287, T. C. 2 + 3	67	973.24.3374.4	-	CN IIIA	Sandal	?
C. 3, T. 338, T. C. 10	24	973.24.2678.1	63:4:37	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)
C. 3, T. 338, T. C. 10	24	973.24.2678.2	63:4:37	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)
C. 3, T. 343, T. C. 1	77	973.24.2683.1	63:4:354	Toe-Shaped II	Sandal	Late Meroitic
C. 3, T. 343, T. C. 1	77	973.24.2683.2	63:4:354	Toe-Shaped II	Sandal	Late Meroitic
C. 3, T. 343, T. C. 4	28	973.24.2682.1	63:4:352	CN IB	Sandal	Late Meroitic
C. 3, T. 343, T. C. 4	28	973.24.2682.2	63:4:352	Unidentified	Sandal	Late Meroitic
C. 3, T. 343, T. C. 4	28	973.24.2682.3	63:4:352	Unidentified	Sandal	Late Meroitic
C. 3, T. 354, T. C. 4	37	973.24.2756.1	63:4:120	CN IB	Sandal	Late or Post-Meroitic
C. 3, T. 354, T. C. 4	37	973.24.2756.2	63:4:120	CN IB	Sandal	Late or Post-Meroitic
C. 3, T. 37	112	973.24.2673.1	63:3:217	Unidentified	Sandal	Post-Meroitic
C. 3, T. 37	112	973.24.2673.2	63:3:217	Unidentified	Sandal	Post-Meroitic
C. 3, T. 370, T. C. 6	36	973.24.2754	63:4:110	CN IB	Sandal	Post-Meroitic
C. 3, T. 372, T. C. 5	92	973.24.2893.1	63:4:351	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 372, T. C. 5	99	973.24.2893.2	63:4:351	Unidentified	Sandal	Late Meroitic
C. 3, T. 402, T. C. 6	33	973.24.2697.1	63:4:182	CN IB	Sandal	Late Meroitic
C. 3, T. 402, T. C. 6	33	973.24.2697.2	63:4:182	CN IB	Sandal	Late Meroitic
C. 3, T. 428, T. C. 3	31	973.24.2691.1	63:12:93	CN IB	Sandal	Late Meroitic
C. 3, T. 428, T. C. 3	31	973.24.2691.2	63:12:93	CN IB	Sandal	Late Meroitic
C. 3, T. 446	6	973.24.2763.1	64:12:146	CN IA	Sandal	Post-Meroitic?

Provenance	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date
C. 3, T. 446	6	973.24.2763.2	64:12:146	CN IA	Sandal	Post-Meroitic?
C. 3, T. 446	6	973.24.2763.3	64:12:146	CN IA	Sandal	Post-Meroitic?
C. 3, T. 446	6	973.24.2763.4	64:12:146	CN IA	Sandal	Post-Meroitic?
C. 3, T. 446	6	973.24.2763.5	64:12:146	CN IA	Sandal	Post-Meroitic?
C. 3, T. 446, T. C. 2	32	973.24.2692.1	63:12:146	CN IB	Sandal	Post-Meroitic?
C. 3, T. 446, T. C. 2	32	973.24.2692.2	63:12:146	CN IB	Sandal	Post-Meroitic?
C. 3, T. 447, T. C. 3	52	973.24.2684	63:12:90	CN IC	Sandal	Early Post-Meroitic
C. 3, T. 447, T. C. 5	4	973.24.2739	63:12:152	CN IA	Sandal	Early Post-Meroitic
C. 3, T. 449, T. C. 4	29	973.24.2685	63:12:120	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)
C. 3, T. 46	27	973.24.2753	63:3:370	CN IB	Sandal	Late Meroitic?
C. 3, T. 466, T. C. 1	120	973.24.2735.1	63:12:134	Stubbed-Toe	Shoe	Post-Meroitic?
C. 3, T. 466, T. C. 1	120	973.24.2735.2	63:12:134	Stubbed-Toe	Shoe	Post-Meroitic?
C. 3, T. 485, T. C. 9	56	973.24.3230.1	63:12:119	CN IC	Sandal	?
C. 3, T. 485, T. C. 9	56	973.24.3230.2	63:12:119	CN IC	Sandal	?
C. 3, T. 508, T. C. 3	1	973.24.2010.1	63:12:50	CN IA	Sandal	Late Meroitic
C. 3, T. 508, T. C. 3	1	973.24.2010.2	63:12:50	CN IA	Sandal	Late Meroitic
C. 3, T. 510, T. C. 4	115	973.24.673	63:12:46	?	Shoe	Late Meroitic
C. 3, T. 515, T. C. 1	22	973.24.2011.1	63:12:55	CN IB	Sandal	Late or Post-Meroitic
C. 3, T. 515, T. C. 1	22	973.24.2011.2	63:12:55	CN IB	Sandal	Late or Post-Meroitic
C. 3, T. 6, T. C. 10	75	973.24.2676.1	63:3:367	Toe-Shaped I	Sandal	Late Meroitic
C. 3, T. 6, T. C. 10	75	973.24.2676.2	63:3:367	Toe-Shaped I	Sandal	Late Meroitic
C. 3, T. 629, T. C. 5	47	973.24.3262	-	CN IB	Sandal	?
C. 3, T. 711, T. C. 2	107	973.24.3283.3	-	Unidentified	Sandal	?
C. 3, T. 719, T. C. 1	38	973.24.2757	64:1:104	CN IB	Sandal	Early Post-Meroitic?
C. 3, T. 721, T. C. 6	48	973.24.3373	-	CN IB?	Sandal	?
C. 3, T. 721, T. C. 8	39	973.24.2760	64:1:169	CN IB	Sandal	Late Post-Meroitic
C. 3, T. 726, T. C. 3	30	973.24.2686.1	64:2:20	CN IB	Sandal	Late Meroitic
C. 3, T. 726, T. C. 3	30	973.24.2686.2	64:2:20	CN IB	Sandal	Late Meroitic
C. 3, T. 726, T. C. 3	30	973.24.2686.3	64:2:20	CN IB	Sandal	Late Meroitic
C. 3, T. 73, T. C. 5	50	973.24.2687.1	63:3:215	CN IB/C	Sandal	Late Meroitic
C. 3, T. 73, T. C. 5	50	973.24.2687.2	63:3:215	Unidentified	Sandal	Late Meroitic
C. 3, T. 73, T. C. 5	50	973.24.2687.3	63:3:215	Unidentified	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.1	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.10	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.2	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.3	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.4	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.5	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.6	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.7	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.8	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 73, T. C. 6	89	973.24.2675.9	63:3:245	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 732, T. C. 2	55	973.24.2693.1	64:1:197	CN IC	Sandal	Early Post-Meroitic
C. 3, T. 732, T. C. 2	55	973.24.2693.2	64:1:197	CN IC	Sandal	Early Post-Meroitic
C. 3, T. 732, T. C. 7	58	973.24.2012.1	64:1:211	CN IIA	Sandal	Early Post-Meroitic

Provenance	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date
C. 3, T. 732, T. C. 7	58	973.24.2012.2	64:1:211	CN IIA	Sandal	Early Post-Meroitic
C. 3, T. 736, T. C. 1	74	973.24.3296	-	CN III?	Sandal	?
C. 3, T. 743, T. C. 5	117	973.24.3225	64:2:16	M.'s X, B, 2	Shoe	?
C. 3, T. 748, T. C. 1	61	973.24.2699	64:1:210	CN IIIA	Sandal	Late Meroitic
C. 3, T. 762, T. C. 2	14	973.24.3320.1	-	CN IA	Sandal	?
C. 3, T. 762, T. C. 2	14	973.24.3320.2	-	CN IA	Sandal	?
C. 3, T. 762, T. C. 2	14	973.24.3320.3	-	CN IA	Sandal	?
C. 3, T. 772, T. C. 6	60	973.24.760	64:1:310	CN IIIA	Sandal	Late Meroitic
C. 3, T. 774, T. C. 5	13	973.24.3260	-	CN IA	Sandal	?
C. 3, T. 775, T. C. 2	90	973.24.672	64:1:332	Ind. pre-strap	Sandal	Late Meroitic
C. 3, T. 800, T. C. 1 + 6	59	973.24.671.1	64:2:15.1	CN IIIA	Sandal	Late Meroitic
C. 3, T. 800, T. C. 1 + 6	59	973.24.671.2	64:2:15.2	CN IIIA	Sandal	Late Meroitic
C. 3, T. 801, T. C. 9	64	973.24.3332.1	-	CN IIIA	Sandal	?
C. 3, T. 801, T. C. 9	64	973.24.3332.2	-	CN IIIA	Sandal	?
C. 3, T. 803, T. C. 3	21	973.24.2938.1	64:2:14	CN IB(?)	Sandal	?
C. 3, T. 803, T. C. 3	21	973.24.2938.2	64:2:14	Unidentified	Sandal	?
C. 3, T. 807, T. C. 1	18	973.24.3378	-	CN IA	Sandal	?
C. 3, T. 807, T. C. 9	72	973.24.3340	-	CN III?	Sandal	?
C. 3, T. 81, T. C. 2	49	973.24.2677.1	63:3:372	CN IB/C	Sandal	Late Meroitic
C. 3, T. 81, T. C. 2	49	973.24.2677.2	63:3:372	CN IB/C	Sandal	Late Meroitic
C. 3, T. 81, T. C. 2	49	973.24.2677.3	63:3:372	CN IB/C	Sandal	Late Meroitic
C. 3, T. 81, T. C. 2	49	973.24.2677.4	63:3:372	CN IB/C	Sandal	Late Meroitic
C. 3, T. 81, T. C. 2	49	973.24.2677.5	63:3:372	CN IB/C	Sandal	Late Meroitic
C. 3, T. 836, T. C. 8	105	973.24.3324.1	-	Unidentified	Sandal	?
C. 3, T. 836, T. C. 8	105	973.24.3324.2	-	Unidentified	Sandal	?
C. 3, T. 836, T. C. 8	105	973.24.3324.3	-	Unidentified	Sandal	?
C. 3, T. 853, T. C. 1	63	973.24.2762	64:2:145	CN IIIA	Sandal	Early Post-Meroitic?
C. 3, T. 853, T. C. 2 + 11	113	973.24.797.3	64:2:144	Unidentified	Sandal	Post-Meroitic
C. 3, T. 86, T. C. 6	23	973.24.2674.1	63:3:244	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)
C. 3, T. 86, T. C. 6	23	973.24.2674.2	63:3:244	CN IB	Sandal	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)
C. 3, T. 89, T. C. 5	2	973.24.2696.2	63:3:368	CN IA	Sandal	Late Meroitic
C. 3, T. 89, T. C. 5	2	973.24.2696.3	63:3:368	CN IA	Sandal	Late Meroitic
C. 3, T. 98, T. C. 3	5	973.24.2755.1	63:3:243	CN IA	Sandal	Post-Meroitic
C. 3, T. 98, T. C. 3	5	973.24.2755.2	63:3:243	CN IA	Sandal	Post-Meroitic
C. 3, T. 98, T. C. 3	5	973.24.2755.3	63:3:243	CN IA	Sandal	Post-Meroitic
C. 3, T. 98, T. C. 3	5	973.24.2755.4	63:3:243	CN IA	Sandal	Post-Meroitic
C. 3, T. 98, T. C. 3	5	973.24.2755.5	63:3:243	CN IA	Sandal	Post-Meroitic
C. 3, T. 98, T. C. 3	5	973.24.2755.6	63:3:243	CN IA	Sandal	Post-Meroitic
C. 4, T. 242, T. C.s 5 and 9	16	973.24.3325.2	-	CN IA	Sandal	?
Citadel below locus 307 between first and second floors	118	973.24.2695	66:2:152	Fustat	Shoe	Late Christian
Citadel church 4 in coffin at foot end	119	973.24.2704.1	66:1:9	Fustat	Shoe	Late Christian

Provenance	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date
Citadel church 4 in coffin at foot end	119	973.24.2704.2	66:1:9	Fustat	Shoe	Late Christian
Citadel locus 337 room 1	118	973.24.2694	66:2:151	Fustat	Shoe	Late Christian
Locus ?	7	973.24.2941.1	-	CN IA	Sandal	?
Locus ?	7	973.24.2941.2	-	CN IA	Sandal	?
Locus ?	8	973.24.2950.1	-	CN IA	Sandal	?
Locus ?	8	973.24.2950.2	-	CN IA	Sandal	?
Locus ?	9	973.24.2960.1	-	CN IA	Sandal	?
Locus ?	9	973.24.2960.2	-	CN IA	Sandal	?
Locus ?	9	973.24.2960.3	-	CN IA	Sandal	?
Locus ?	9	973.24.2960.4	-	CN IA	Sandal	?
Locus ?	9	973.24.2960.5	-	CN IA	Sandal	?
Locus ?	10	973.24.2968	-	CN IA	Sandal	?
Locus ?	12	973.24.2970	-	CN IA	Sandal	?
Locus ?	15	973.24.2971.2	-	CN IA	Sandal	?
Locus ?	17	973.24.3345	-	CN IA	Sandal	?
Locus ?	41	973.24.2949.1	-	CN IB	Sandal	?
Locus ?	41	973.24.2949.2	-	CN IB	Sandal	?
Locus ?	42	973.24.2951.1	-	CN IB	Sandal	?
Locus ?	42	973.24.2951.2	-	Unidentified	Sandal	?
Locus ?	43	973.24.2957.1	-	CN IB	Sandal	?
Locus ?	43	973.24.2957.2	-	CN IB	Sandal	?
Locus ?	43	973.24.2957.3	-	CN IB	Sandal	?
Locus ?	44	973.24.2958	-	CN IB	Sandal	?
Locus ?	45	973.24.2959	-	CN IB	Sandal	?
Locus ?	46	973.24.2972	-	CN IB	Sandal	?
Locus ?	54	973.24.3249	-	CN IC	Sandal	?
Locus ?	62	973.24.2953	-	CN IIIA	Sandal	?
Locus ?	65	973.24.2952.1	-	CN IIIA?	Sandal	?
Locus ?	65	973.24.2952.2	-	CN IIIA?	Sandal	?
Locus ?	69	973.24.2971.1	-	CN IIIB	Sandal	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)(?)
Locus ?	70	973.24.2943.1	-	CN IIIB	Sandal	?
Locus ?	70	973.24.2943.2	-	CN IIIB	Sandal	?
Locus ?	70	973.24.2943.3	-	CN IIIB	Sandal	?
Locus ?	70	973.24.2943.6	-	CN IIIB	Sandal	?
Locus ?	73	973.24.2940.1	-	CN III?	Sandal	?
Locus ?	73	973.24.2940.2	-	CN III?	Sandal	?
Locus ?	73	973.24.2940.3	-	CN III?	Sandal	?
Locus ?	79	973.24.2967.2	-	Reinf. Plait.	Sandal	Late Christian/Ottoman
Locus ?	82	973.24.3328.1	-	Ind. pre-strap	Sandal	?
Locus ?	82	973.24.3328.2	-	Ind. pre-strap	Sandal	?
Locus ?	84	973.24.2967.1	-	Ind. pre-strap	Sandal	?
Locus ?	85	973.24.2962	-	Ind. pre-strap	Sandal	?
Locus ?	86	973.24.2969	-	Ind. pre-strap	Sandal	?
Locus ?	87	973.24.2954.2	-	Ind. pre-strap	Sandal	?

Provenance	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Date
Locus ?	87	973.24.2954.3	-	Ind. pre-strap	Sandal	?
Locus ?	93	973.24.2942.1	-	Ind. pre-strap	Sandal	?
Locus ?	93	973.24.2942.2	-	Ind. pre-strap	Sandal	?
Locus ?	93	973.24.2942.3	-	Ind. pre-strap	Sandal	?
Locus ?	93	973.24.2942.4	-	Ind. pre-strap	Sandal	?
Locus ?	94	973.24.2939.1	-	Ind. pre-strap	Sandal	?
Locus ?	94	973.24.2939.2	-	Ind. pre-strap	Sandal	?
Locus ?	94	973.24.2939.3	-	Ind. pre-strap	Sandal	?
Locus ?	95	973.24.2974.1	-	Ind. pre-strap	Sandal	?
Locus ?	95	973.24.2974.2	-	Ind. pre-strap	Sandal	?
Locus ?	95	973.24.2974.3	-	Ind. pre-strap	Sandal	?
Locus ?	95	973.24.2974.4	-	Ind. pre-strap	Sandal	?
Locus ?	101	973.24.2946.1	-	Unidentified	Sandal	?
Locus ?	101	973.24.2946.2	-	Unidentified	Sandal	?
Locus ?	101	973.24.2946.3	-	Unidentified	Sandal	?
Locus ?	101	973.24.2946.4	-	Unidentified	Sandal	?
Locus ?	102	973.24.2947	-	Unidentified	Sandal	?
Locus ?	103	973.24.2955.1	-	Unidentified	Sandal	?
Locus ?	104	973.24.2956.1	-	Unidentified	Sandal	?
Locus ?	108	973.24.3330.3	-	Unidentified	Sandal	?
Locus ?	111	973.24.3382.3	-	Unidentified	Sandal	?
Locus ?	111	973.24.3382.4	-	Unidentified	Sandal	?
Locus ?	123	973.24.2961	-	V.'s XII, C, 2	Shoe	Ottoman
Locus ?	124	973.24.2973	-	V.'s XII, C, 2	Shoe	Ottoman
Locus ?	125	973.24.2966.2	-	Unidentified	Shoe	?
Locus ?	126	973.24.2963.3	-	Unidentified	Shoe	?
SW wall of church 7 above windows	81	973.24.3299.1	-	Ind. pre-strap	Sandal	?
SW wall of church 7 above windows	122	973.24.3299.2	-	M.'s IV, B, 3	Shoe	Ottoman
Trench 6	121	973.24.3300	65:1:29	M.'s IV, B, 3	Shoe	Ottoman
Trench 6, Section 1, Meter 2	78	973.24.2764	65:1:24	Reinf. Plait.	Sandal	Late Christian/Ottoman
Trench 7/104-60	80	973.24.3303.3	-	Reinf. Plait.	Sandal	Late Christian/Ottoman
Trench 7/104-60	83	973.24.3303.1	-	Ind. pre-strap	Sandal	?
Trench 7/104-60	96	973.24.3303.2	-	Unidentified	Sandal	?

TYPOLOGY

Type	Object	Cat. No.	Reg. No.	Exc. Field No.	Date	Provenance
CN IA	Sandal	1	973.24.2010.1	63:12:50	Late Meroitic	C. 3, T. 508, T. C. 3
CN IA	Sandal	1	973.24.2010.2	63:12:50	Late Meroitic	C. 3, T. 508, T. C. 3
CN IA	Sandal	2	973.24.2696.2	63:3:368	Late Meroitic	C. 3, T. 89, T. C. 5
CN IA	Sandal	2	973.24.2696.3	63:3:368	Late Meroitic	C. 3, T. 89, T. C. 5
CN IA	Sandal	3	973.24.2698.1	63:4:302	Late Meroitic	C. 3, T. 268, T. C. 5
CN IA	Sandal	3	973.24.2698.2	63:4:302	Late Meroitic	C. 3, T. 268, T. C. 5
CN IA	Sandal	4	973.24.2739	63:12:152	Early Post-Meroitic	C. 3, T. 447, T. C. 5
CN IA	Sandal	5	973.24.2755.1	63:3:243	Post-Meroitic	C. 3, T. 98, T. C. 3
CN IA	Sandal	5	973.24.2755.2	63:3:243	Post-Meroitic	C. 3, T. 98, T. C. 3
CN IA	Sandal	5	973.24.2755.3	63:3:243	Post-Meroitic	C. 3, T. 98, T. C. 3
CN IA	Sandal	5	973.24.2755.4	63:3:243	Post-Meroitic	C. 3, T. 98, T. C. 3
CN IA	Sandal	5	973.24.2755.5	63:3:243	Post-Meroitic	C. 3, T. 98, T. C. 3
CN IA	Sandal	5	973.24.2755.6	63:3:243	Post-Meroitic	C. 3, T. 98, T. C. 3
CN IA	Sandal	6	973.24.2763.1	64:12:146	Post-Meroitic?	C. 3, T. 446
CN IA	Sandal	6	973.24.2763.2	64:12:146	Post-Meroitic?	C. 3, T. 446
CN IA	Sandal	6	973.24.2763.3	64:12:146	Post-Meroitic?	C. 3, T. 446
CN IA	Sandal	6	973.24.2763.4	64:12:146	Post-Meroitic?	C. 3, T. 446
CN IA	Sandal	6	973.24.2763.5	64:12:146	Post-Meroitic?	C. 3, T. 446
CN IA	Sandal	7	973.24.2941.1	-	?	Locus ?
CN IA	Sandal	7	973.24.2941.2	-	?	Locus ?
CN IA	Sandal	8	973.24.2950.1	-	?	Locus ?
CN IA	Sandal	8	973.24.2950.2	-	?	Locus ?
CN IA	Sandal	9	973.24.2960.1	-	?	Locus ?
CN IA	Sandal	9	973.24.2960.2	-	?	Locus ?
CN IA	Sandal	9	973.24.2960.3	-	?	Locus ?
CN IA	Sandal	9	973.24.2960.4	-	?	Locus ?
CN IA	Sandal	9	973.24.2960.5	-	?	Locus ?
CN IA	Sandal	10	973.24.2968	-	?	Locus ?
CN IA	Sandal	11	973.24.2680.1	63:4:331	?	C. 3, T. 278, T. C. 6
CN IA	Sandal	11	973.24.2680.2	63:4:331	?	C. 3, T. 278, T. C. 6
CN IA	Sandal	12	973.24.2970	-	?	Locus ?
CN IA	Sandal	13	973.24.3260	-	?	C. 3, T. 774, T. C. 5
CN IA	Sandal	14	973.24.3320.1	-	?	C. 3, T. 762, T. C. 2
CN IA	Sandal	14	973.24.3320.2	-	?	C. 3, T. 762, T. C. 2
CN IA	Sandal	14	973.24.3320.3	-	?	C. 3, T. 762, T. C. 2
CN IA	Sandal	15	973.24.2971.2	-	?	Locus ?
CN IA	Sandal	16	973.24.3325.2	-	?	C. 4, T. 242, T. C.s 5 and 9
CN IA	Sandal	17	973.24.3345	-	?	Locus ?
CN IA	Sandal	18	973.24.3378	-	?	C. 3, T. 807, T. C. 1
CN IA	Sandal	19	973.24.3246.1	-	?	4-44
CN IA	Sandal	19	973.24.3246.2	-	?	4-44
CN IA	Sandal	20	973.24.3329.1	-	?	197-5
CN IA	Sandal	20	973.24.3329.2	-	?	197-5
CN IB(?)	Sandal	21	973.24.2938.1	64:2:14	?	C. 3, T. 803, T. C. 3
CN IB	Sandal	22	973.24.2011.1	63:12:55	Late or Post-Meroitic	C. 3, T. 515, T. C. 1

Type	Object	Cat. No.	Reg. No.	Exc. Field No.	Date	Provenance
CN IB	Sandal	22	973.24.2011.2	63:12:55	Late or Post-Meroitic	C. 3, T. 515, T. C. 1
CN IB	Sandal	23	973.24.2674.1	63:3:244	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 86, T. C. 6
CN IB	Sandal	23	973.24.2674.2	63:3:244	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 86, T. C. 6
CN IB	Sandal	24	973.24.2678.1	63:4:37	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 338, T. C. 10
CN IB	Sandal	24	973.24.2678.2	63:4:37	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 338, T. C. 10
CN IB	Sandal	25	973.24.2679.1	63:4:323	?	C. 3, T. 281, T. C. 4
CN IB	Sandal	25	973.24.2679.2	63:4:323	?	C. 3, T. 281, T. C. 4
CN IB	Sandal	26	973.24.3224.1	63:3:269	?	C. 3, T. 120
CN IB	Sandal	26	973.24.3224.2	63:3:269	?	C. 3, T. 120
CN IB	Sandal	27	973.24.2753	63:3:370	Late Meroitic?	C. 3, T. 46
CN IB	Sandal	28	973.24.2682.1	63:4:352	Late Meroitic	C. 3, T. 343, T. C. 4
CN IB	Sandal	29	973.24.2685	63:12:120	Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	C. 3, T. 449, T. C. 4
CN IB	Sandal	30	973.24.2686.1	64:2:20	Late Meroitic	C. 3, T. 726, T. C. 3
CN IB	Sandal	30	973.24.2686.2	64:2:20	Late Meroitic	C. 3, T. 726, T. C. 3
CN IB	Sandal	30	973.24.2686.3	64:2:20	Late Meroitic	C. 3, T. 726, T. C. 3
CN IB	Sandal	31	973.24.2691.1	63:12:93	Late Meroitic	C. 3, T. 428, T. C. 3
CN IB	Sandal	31	973.24.2691.2	63:12:93	Late Meroitic	C. 3, T. 428, T. C. 3
CN IB	Sandal	32	973.24.2692.1	63:12:146	Post-Meroitic?	C. 3, T. 446, T. C. 2
CN IB	Sandal	32	973.24.2692.2	63:12:146	Post-Meroitic?	C. 3, T. 446, T. C. 2
CN IB	Sandal	33	973.24.2697.1	63:4:182	Late Meroitic	C. 3, T. 402, T. C. 6
CN IB	Sandal	33	973.24.2697.2	63:4:182	Late Meroitic	C. 3, T. 402, T. C. 6
CN IB	Sandal	34	973.24.2700.1	63:2:174	Post-Meroitic	C. 1, T. 53
CN IB	Sandal	34	973.24.2700.2	63:2:174	Post-Meroitic	C. 1, T. 53
CN IB	Sandal	34	973.24.2700.3	63:2:174	Post-Meroitic	C. 1, T. 53
CN IB	Sandal	34	973.24.2700.4	63:2:174	Post-Meroitic	C. 1, T. 53
CN IB	Sandal	35	973.24.2702	63:3:122	Post-Meroitic	C. 3, T. 24, T. C. 6
CN IB	Sandal	36	973.24.2754	63:4:110	Post-Meroitic	C. 3, T. 370, T. C. 6
CN IB	Sandal	37	973.24.2756.1	63:4:120	Late or Post-Meroitic	C. 3, T. 354, T. C. 4
CN IB	Sandal	37	973.24.2756.2	63:4:120	Late or Post-Meroitic	C. 3, T. 354, T. C. 4
CN IB	Sandal	38	973.24.2757	64:1:104	Early Post-Meroitic?	C. 3, T. 719, T. C. 1
CN IB	Sandal	39	973.24.2760	64:1:169	Late Post-Meroitic	C. 3, T. 721, T. C. 8
CN IB	Sandal	40	973.24.2761.1	64:1:233	Post-Meroitic?	C. 1, T. 184, T. C. 12
CN IB	Sandal	40	973.24.2761.2	64:1:233	Post-Meroitic?	C. 1, T. 184, T. C. 12
CN IB	Sandal	41	973.24.2949.1	-	?	Locus ?
CN IB	Sandal	41	973.24.2949.2	-	?	Locus ?
CN IB	Sandal	42	973.24.2951.1	-	?	Locus ?
CN IB	Sandal	43	973.24.2957.1	-	?	Locus ?

Type	Object	Cat. No.	Reg. No.	Exc. Field No.	Date	Provenance
CN IB	Sandal	43	973.24.2957.2	-	?	Locus ?
CN IB	Sandal	43	973.24.2957.3	-	?	Locus ?
CN IB	Sandal	44	973.24.2958	-	?	Locus ?
CN IB	Sandal	45	973.24.2959	-	?	Locus ?
CN IB	Sandal	46	973.24.2972	-	?	Locus ?
CN IB	Sandal	47	973.24.3262	-	?	C. 3, T. 629, T. C. 5
CN IB?	Sandal	48	973.24.3373	-	?	C. 3, T. 721, T. C. 6
CN IB/C	Sandal	49	973.24.2677.1	63:3:372	Late Meroitic	C. 3, T. 81, T. C. 2
CN IB/C	Sandal	49	973.24.2677.2	63:3:372	Late Meroitic	C. 3, T. 81, T. C. 2
CN IB/C	Sandal	49	973.24.2677.3	63:3:372	Late Meroitic	C. 3, T. 81, T. C. 2
CN IB/C	Sandal	49	973.24.2677.4	63:3:372	Late Meroitic	C. 3, T. 81, T. C. 2
CN IB/C	Sandal	49	973.24.2677.5	63:3:372	Late Meroitic	C. 3, T. 81, T. C. 2
CN IB/C	Sandal	50	973.24.2687.1	63:3:215	Late Meroitic	C. 3, T. 73, T. C. 5
CN IC	Sandal	51	973.24.2671.1	63:2:192	Post-Meroitic	C. 1, T. 13
CN IC	Sandal	51	973.24.2671.2	63:2:192	Post-Meroitic	C. 1, T. 13
CN IC	Sandal	52	973.24.2684	63:12:90	Early Post-Meroitic	C. 3, T. 447, T. C. 3
CN IC	Sandal	53	973.24.2701.1	63:2:180	Post-Meroitic	C. 1, T. 110, T. C. 28
CN IC	Sandal	53	973.24.2701.2	63:2:180	Post-Meroitic	C. 1, T. 110, T. C. 28
CN IC	Sandal	53	973.24.2701.3	63:2:180	Post-Meroitic	C. 1, T. 110, T. C. 28
CN IC	Sandal	54	973.24.3249	-	?	Locus ?
CN IC	Sandal	55	973.24.2693.1	64:1:197	Early Post-Meroitic	C. 3, T. 732, T. C. 2
CN IC	Sandal	55	973.24.2693.2	64:1:197	Early Post-Meroitic	C. 3, T. 732, T. C. 2
CN IC	Sandal	56	973.24.3230.1	63:12:119	?	C. 3, T. 485, T. C. 9
CN IC	Sandal	56	973.24.3230.2	63:12:119	?	C. 3, T. 485, T. C. 9
CN I?	Sandal	57	973.24.3322.1	-	?	C. 3, T. 232, T. C. 1
CN IIA	Sandal	58	973.24.2012.1	64:1:211	Early Post-Meroitic	C. 3, T. 732, T. C. 7
CN IIA	Sandal	58	973.24.2012.2	64:1:211	Early Post-Meroitic	C. 3, T. 732, T. C. 7
CN IIIA	Sandal	59	973.24.671.1	64:2:15.1	Late Meroitic	C. 3, T. 800, T. C. 1 + 6
CN IIIA	Sandal	59	973.24.671.2	64:2:15.2	Late Meroitic	C. 3, T. 800, T. C. 1 + 6
CN IIIA	Sandal	60	973.24.760	64:1:310	Late Meroitic	C. 3, T. 772, T. C. 6
CN IIIA	Sandal	61	973.24.2699	64:1:210	Late Meroitic	C. 3, T. 748, T. C. 1
CN IIIA	Sandal	62	973.24.2953	-	?	Locus ?
CN IIIA	Sandal	63	973.24.2762	64:2:145	Early Post-Meroitic?	C. 3, T. 853, T. C. 1
CN IIIA	Sandal	64	973.24.3332.1	-	?	C. 3, T. 801, T. C. 9
CN IIIA	Sandal	64	973.24.3332.2	-	?	C. 3, T. 801, T. C. 9
CN IIIA?	Sandal	65	973.24.2952.1	-	?	Locus ?
CN IIIA?	Sandal	65	973.24.2952.2	-	?	Locus ?
CN IIIA	Sandal	66	973.24.3334.1	-	?	C. 3, T. 287
CN IIIA	Sandal	66	973.24.3334.2	-	?	C. 3, T. 287
CN IIIA	Sandal	67	973.24.3374.1	-	?	C. 3, T. 287, T. C. 2 + 3
CN IIIA	Sandal	67	973.24.3374.2	-	?	C. 3, T. 287, T. C. 2 + 3
CN IIIA	Sandal	67	973.24.3374.3	-	?	C. 3, T. 287, T. C. 2 + 3
CN IIIA	Sandal	67	973.24.3374.4	-	?	C. 3, T. 287, T. C. 2 + 3
CN IIIB	Sandal	68	973.24.2690	63:4:85	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)	C. 3, T. 226

Type	Object	Cat. No.	Reg. No.	Exc. Field No.	Date	Provenience
CN IIIB	Sandal	69	973.24.2971.1	-	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)(?)	Locus ?
CN IIIB	Sandal	70	973.24.2943.1	-	?	Locus ?
CN IIIB	Sandal	70	973.24.2943.2	-	?	Locus ?
CN IIIB	Sandal	70	973.24.2943.3	-	?	Locus ?
CN IIIB	Sandal	70	973.24.2943.6	-	?	Locus ?
CN III?	Sandal	71	973.24.3242.2	-	?	C. 3 or 5 ?, S 749
CN III?	Sandal	72	973.24.3340	-	?	C. 3, T. 807, T. C. 9
CN III?	Sandal	73	973.24.2940.1	-	?	Locus ?
CN III?	Sandal	73	973.24.2940.2	-	?	Locus ?
CN III?	Sandal	73	973.24.2940.3	-	?	Locus ?
CN III?	Sandal	74	973.24.3296	-	?	C. 3, T. 736, T. C. 1
Toe-Shaped I	Sandal	75	973.24.2676.1	63:3:367	Late Meroitic	C. 3, T. 6, T. C. 10
Toe-Shaped I	Sandal	75	973.24.2676.2	63:3:367	Late Meroitic	C. 3, T. 6, T. C. 10
Toe-Shaped I	Sandal	76	973.24.2737.1	63:3:369	Late Meroitic	C. 3, T. 137, T. C. 1
Toe-Shaped I	Sandal	76	973.24.2737.2	63:3:369	Late Meroitic	C. 3, T. 137, T. C. 1
Toe-Shaped I	Sandal	76	973.24.2737.3	63:3:369	Late Meroitic	C. 3, T. 137, T. C. 1
Toe-Shaped I	Sandal	76	973.24.2737.4	63:3:369	Late Meroitic	C. 3, T. 137, T. C. 1
Toe-Shaped I	Sandal	76	973.24.2737.5	63:3:369	Late Meroitic	C. 3, T. 137, T. C. 1
Toe-Shaped I	Sandal	76	973.24.2737.6	63:3:369	Late Meroitic	C. 3, T. 137, T. C. 1
Toe-Shaped II	Sandal	77	973.24.2683.1	63:4:354	Late Meroitic	C. 3, T. 343, T. C. 1
Toe-Shaped II	Sandal	77	973.24.2683.2	63:4:354	Late Meroitic	C. 3, T. 343, T. C. 1
Reinf. Plait.	Sandal	78	973.24.2764	65:1:24	Late Christian/Ottoman	Trench 6, Section 1, Meter 2
Reinf. Plait.	Sandal	79	973.24.2967.2	-	Late Christian/Ottoman	Locus ?
Reinf. Plait.	Sandal	80	973.24.3303.3	-	Late Christian/Ottoman	Trench 7/104-60
Ind. pre-strap	Sandal	81	973.24.3299.1	-	?	SW wall of church 7 above windows
Ind. pre-strap	Sandal	82	973.24.3328.1	-	?	Locus ?
Ind. pre-strap	Sandal	82	973.24.3328.2	-	?	Locus ?
Ind. pre-strap	Sandal	83	973.24.3303.1	-	?	Trench 7/104-60
Ind. pre-strap	Sandal	84	973.24.2967.1	-	?	Locus ?
Ind. pre-strap	Sandal	85	973.24.2962	-	?	Locus ?
Ind. pre-strap	Sandal	86	973.24.2969	-	?	Locus ?
Ind. pre-strap	Sandal	87	973.24.2954.2	-	?	Locus ?
Ind. pre-strap	Sandal	87	973.24.2954.3	-	?	Locus ?
Ind. pre-strap	Sandal	88	973.24.3372	-	Late Christian/Ottoman	100 G
Ind. pre-strap	Sandal	89	973.24.2675.1	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.10	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.2	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.3	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.4	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.5	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.6	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.7	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.8	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6
Ind. pre-strap	Sandal	89	973.24.2675.9	63:3:245	Late Meroitic	C. 3, T. 73, T. C. 6

Type	Object	Cat. No.	Reg. No.	Exc. Field No.	Date	Provenance
Ind. pre-strap	Sandal	90	973.24.672	64:1:332	Late Meroitic	C. 3, T. 775, T. C. 2
Ind. pre-strap	Sandal	91	973.24.2759.1	63:4:122	Late or Post-Meroitic	C. 3, T. 207, T. C. 2
Ind. pre-strap	Sandal	91	973.24.2759.2	63:4:122	Late or Post-Meroitic	C. 3, T. 207, T. C. 2
Ind. pre-strap	Sandal	92	973.24.2893.1	63:4:351	Late Meroitic	C. 3, T. 372, T. C. 5
Ind. pre-strap	Sandal	93	973.24.2942.1	-	?	Locus ?
Ind. pre-strap	Sandal	93	973.24.2942.2	-	?	Locus ?
Ind. pre-strap	Sandal	93	973.24.2942.3	-	?	Locus ?
Ind. pre-strap	Sandal	93	973.24.2942.4	-	?	Locus ?
Ind. pre-strap	Sandal	94	973.24.2939.1	-	?	Locus ?
Ind. pre-strap	Sandal	94	973.24.2939.2	-	?	Locus ?
Ind. pre-strap	Sandal	94	973.24.2939.3	-	?	Locus ?
Ind. pre-strap	Sandal	95	973.24.2974.1	-	?	Locus ?
Ind. pre-strap	Sandal	95	973.24.2974.2	-	?	Locus ?
Ind. pre-strap	Sandal	95	973.24.2974.3	-	?	Locus ?
Ind. pre-strap	Sandal	95	973.24.2974.4	-	?	Locus ?
Unidentified	Sandal	20	973.24.3329.3	-	?	197-5
Unidentified	Sandal	20	973.24.3329.4	-	?	197-5
Unidentified	Sandal	21	973.24.2938.2	64:2:14	?	C. 3, T. 803, T. C. 3
Unidentified	Sandal	28	973.24.2682.2	63:4:352	Late Meroitic	C. 3, T. 343, T. C. 4
Unidentified	Sandal	28	973.24.2682.3	63:4:352	Late Meroitic	C. 3, T. 343, T. C. 4
Unidentified	Sandal	42	973.24.2951.2	-	?	Locus ?
Unidentified	Sandal	50	973.24.2687.2	63:3:215	Late Meroitic	C. 3, T. 73, T. C. 5
Unidentified	Sandal	50	973.24.2687.3	63:3:215	Late Meroitic	C. 3, T. 73, T. C. 5
Unidentified	Sandal	96	973.24.3303.2	-	?	Trench 7/104-60
Unidentified	Sandal	97	973.24.2670.1	63:2:179	Post-Meroitic	C. 1, T. 54, T. C. 6
Unidentified	Sandal	97	973.24.2670.2	63:2:179	Post-Meroitic	C. 1, T. 54, T. C. 6
Unidentified	Sandal	97	973.24.2670.3	63:2:179	Post-Meroitic	C. 1, T. 54, T. C. 6
Unidentified	Sandal	98	973.24.2688	63:4:1	Late to Post-Meroitic continuum (Late Meroitic is c. 350-400 AD)	C. 3, T. 165, T. C. 4
Unidentified	Sandal	99	973.24.2893.2	63:4:351	Late Meroitic	C. 3, T. 372, T. C. 5
Unidentified	Sandal	100	973.24.2788	63:3:118	Late Meroitic	C. 3, Pyramid 1, T. C. 1
Unidentified	Sandal	101	973.24.2946.1	-	?	Locus ?
Unidentified	Sandal	101	973.24.2946.2	-	?	Locus ?
Unidentified	Sandal	101	973.24.2946.3	-	?	Locus ?
Unidentified	Sandal	101	973.24.2946.4	-	?	Locus ?
Unidentified	Sandal	102	973.24.2947	-	?	Locus ?
Unidentified	Sandal	103	973.24.2955.1	-	?	Locus ?
Unidentified	Sandal	104	973.24.2956.1	-	?	Locus ?
Unidentified	Sandal	105	973.24.3324.1	-	?	C. 3, T. 836, T. C. 8
Unidentified	Sandal	105	973.24.3324.2	-	?	C. 3, T. 836, T. C. 8
Unidentified	Sandal	105	973.24.3324.3	-	?	C. 3, T. 836, T. C. 8
Unidentified	Sandal	106	973.24.2937.1	63:2:210	Post-Meroitic	C. 1, T. 121, T. C. 21
Unidentified	Sandal	106	973.24.2937.13	63:2:210	Post-Meroitic	C. 1, T. 121, T. C. 21
Unidentified	Sandal	106	973.24.2937.5	63:2:210	Post-Meroitic	C. 1, T. 121, T. C. 21
Unidentified	Sandal	107	973.24.3283.3	-	?	C. 3, T. 711, T. C. 2
Unidentified	Sandal	108	973.24.3330.3	-	?	Locus ?

Type	Object	Cat. No.	Reg. No.	Exc. Field No.	Date	Provenance
Unidentified	Sandal	109	973.24.3360.1	-	?	C. 1, T. 39
Unidentified	Sandal	109	973.24.3360.2	-	?	C. 1, T. 39
Unidentified	Sandal	110	973.24.3364	-	?	1-42
Unidentified	Sandal	111	973.24.3382.3	-	?	Locus ?
Unidentified	Sandal	111	973.24.3382.4	-	?	Locus ?
Unidentified	Sandal	112	973.24.2673.1	63:3:217	Post-Meroitic	C. 3, T. 37
Unidentified	Sandal	112	973.24.2673.2	63:3:217	Post-Meroitic	C. 3, T. 37
Unidentified	Sandal	113	973.24.797.3	64:2:144	Post-Meroitic	C. 3, T. 853, T. C. 2 + 11
M.'s IV, B, 2	Shoe	114	973.24.2672.1	63:2:419	Post-Meroitic	C. 1, T. 142, T. C. 20
M.'s IV, B, 2	Shoe	114	973.24.2672.2	63:2:419	Post-Meroitic	C. 1, T. 142, T. C. 20
M.'s IV, B, 2	Shoe	114	973.24.2672.3	63:2:419	Post-Meroitic	C. 1, T. 142, T. C. 20
M.'s IV, B, 2	Shoe	114	973.24.2672.4	63:2:419	Post-Meroitic	C. 1, T. 142, T. C. 20
M.'s IV, B, 2	Shoe	114	973.24.2672.5	63:2:419	Post-Meroitic	C. 1, T. 142, T. C. 20
M.'s IV, B, 2	Shoe	114	973.24.2672.6	63:2:419	Post-Meroitic	C. 1, T. 142, T. C. 20
M.'s IV, B, 2	Shoe	114	973.24.2672.7	63:2:419	Post-Meroitic	C. 1, T. 142, T. C. 20
M.'s IV, B, 2	Shoe	114	973.24.2672.8	63:2:419	Post-Meroitic	C. 1, T. 142, T. C. 20
M.'s X, B, 2	Shoe	116	973.24.2758.1	63:3:268	Early Post-Meroitic	C. 3, T. 120
M.'s X, B, 2	Shoe	116	973.24.2758.2	63:3:268	Early Post-Meroitic	C. 3, T. 120
M.'s X, B, 2	Shoe	117	973.24.3225	64:2:16	?	C. 3, T. 743, T. C. 5
Fustat	Shoe	118	973.24.2694	66:2:151	Late Christian	Citadel locus 337 room 1
Fustat	Shoe	118	973.24.2695	66:2:152	Late Christian	Citadel below locus 307 between first and second floors
Fustat	Shoe	119	973.24.2704.1	66:1:9	Late Christian	Citadel church 4 in coffin at foot end
Fustat	Shoe	119	973.24.2704.2	66:1:9	Late Christian	Citadel church 4 in coffin at foot end
Stubbed-Toe	Shoe	120	973.24.2735.1	63:12:134	Post-Meroitic?	C. 3, T. 466, T. C. 1
Stubbed-Toe	Shoe	120	973.24.2735.2	63:12:134	Post-Meroitic?	C. 3, T. 466, T. C. 1
M.'s IV, B, 3	Shoe	121	973.24.3300	65:1:29	Ottoman	Trench 6
M.'s IV, B, 3	Shoe	122	973.24.3299.2	-	Ottoman	SW wall of church 7 above windows
V.'s XII, C, 2	Shoe	123	973.24.2961	-	Ottoman	Locus ?
V.'s XII, C, 2	Shoe	124	973.24.2973	-	Ottoman	Locus ?
Unidentified	Shoe	125	973.24.2966.2	-	?	Locus ?
Unidentified	Shoe	126	973.24.2963.3	-	?	Locus ?
?	Shoe	115	973.24.673	63:12:46	Late Meroitic	C. 3, T. 510, T. C. 4

DATE

Date	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Provenance
?	7	973.24.2941.1	-	CN IA	Sandal	Locus ?
?	7	973.24.2941.2	-	CN IA	Sandal	Locus ?
?	8	973.24.2950.1	-	CN IA	Sandal	Locus ?
?	8	973.24.2950.2	-	CN IA	Sandal	Locus ?
?	9	973.24.2960.1	-	CN IA	Sandal	Locus ?
?	9	973.24.2960.2	-	CN IA	Sandal	Locus ?
?	9	973.24.2960.3	-	CN IA	Sandal	Locus ?
?	9	973.24.2960.4	-	CN IA	Sandal	Locus ?
?	9	973.24.2960.5	-	CN IA	Sandal	Locus ?
?	10	973.24.2968	-	CN IA	Sandal	Locus ?
?	11	973.24.2680.1	63:4:331	CN IA	Sandal	C. 3, T. 278, T. C. 6
?	11	973.24.2680.2	63:4:331	CN IA	Sandal	C. 3, T. 278, T. C. 6
?	12	973.24.2970	-	CN IA	Sandal	Locus ?
?	13	973.24.3260	-	CN IA	Sandal	C. 3, T. 774, T. C. 5
?	14	973.24.3320.1	-	CN IA	Sandal	C. 3, T. 762, T. C. 2
?	14	973.24.3320.2	-	CN IA	Sandal	C. 3, T. 762, T. C. 2
?	14	973.24.3320.3	-	CN IA	Sandal	C. 3, T. 762, T. C. 2
?	15	973.24.2971.2	-	CN IA	Sandal	Locus ?
?	16	973.24.3325.2	-	CN IA	Sandal	C. 4, T. 242, T. C.s 5 and 9
?	17	973.24.3345	-	CN IA	Sandal	Locus ?
?	18	973.24.3378	-	CN IA	Sandal	C. 3, T. 807, T. C. 1
?	19	973.24.3246.1	-	CN IA	Sandal	4-44
?	19	973.24.3246.2	-	CN IA	Sandal	4-44
?	20	973.24.3329.1	-	CN IA	Sandal	197-5
?	20	973.24.3329.2	-	CN IA	Sandal	197-5
?	20	973.24.3329.3	-	Unidentified	Sandal	197-5
?	20	973.24.3329.4	-	Unidentified	Sandal	197-5
?	21	973.24.2938.1	64:2:14	CN IB(?)	Sandal	C. 3, T. 803, T. C. 3
?	21	973.24.2938.2	64:2:14	Unidentified	Sandal	C. 3, T. 803, T. C. 3
?	25	973.24.2679.1	63:4:323	CN IB	Sandal	C. 3, T. 281, T. C. 4
?	25	973.24.2679.2	63:4:323	CN IB	Sandal	C. 3, T. 281, T. C. 4
?	26	973.24.3224.1	63:3:269	CN IB	Sandal	C. 3, T. 120
?	26	973.24.3224.2	63:3:269	CN IB	Sandal	C. 3, T. 120
?	41	973.24.2949.1	-	CN IB	Sandal	Locus ?
?	41	973.24.2949.2	-	CN IB	Sandal	Locus ?
?	42	973.24.2951.1	-	CN IB	Sandal	Locus ?
?	42	973.24.2951.2	-	Unidentified	Sandal	Locus ?
?	43	973.24.2957.1	-	CN IB	Sandal	Locus ?
?	43	973.24.2957.2	-	CN IB	Sandal	Locus ?
?	43	973.24.2957.3	-	CN IB	Sandal	Locus ?
?	44	973.24.2958	-	CN IB	Sandal	Locus ?
?	45	973.24.2959	-	CN IB	Sandal	Locus ?
?	46	973.24.2972	-	CN IB	Sandal	Locus ?
?	47	973.24.3262	-	CN IB	Sandal	C. 3, T. 629, T. C. 5

Date	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Provenance
?	48	973.24.3373	-	CN IB?	Sandal	C. 3, T. 721, T. C. 6
?	54	973.24.3249	-	CN IC	Sandal	Locus ?
?	56	973.24.3230.1	63:12:119	CN IC	Sandal	C. 3, T. 485, T. C. 9
?	56	973.24.3230.2	63:12:119	CN IC	Sandal	C. 3, T. 485, T. C. 9
?	57	973.24.3322.1	-	CN I?	Sandal	C. 3, T. 232, T. C. 1
?	62	973.24.2953	-	CN IIIA	Sandal	Locus ?
?	64	973.24.3332.1	-	CN IIIA	Sandal	C. 3, T. 801, T. C. 9
?	64	973.24.3332.2	-	CN IIIA	Sandal	C. 3, T. 801, T. C. 9
?	65	973.24.2952.1	-	CN IIIA?	Sandal	Locus ?
?	65	973.24.2952.2	-	CN IIIA?	Sandal	Locus ?
?	66	973.24.3334.1	-	CN IIIA	Sandal	C. 3, T. 287
?	66	973.24.3334.2	-	CN IIIA	Sandal	C. 3, T. 287
?	67	973.24.3374.1	-	CN IIIA	Sandal	C. 3, T. 287, T. C. 2 + 3
?	67	973.24.3374.2	-	CN IIIA	Sandal	C. 3, T. 287, T. C. 2 + 3
?	67	973.24.3374.3	-	CN IIIA	Sandal	C. 3, T. 287, T. C. 2 + 3
?	67	973.24.3374.4	-	CN IIIA	Sandal	C. 3, T. 287, T. C. 2 + 3
?	70	973.24.2943.1	-	CN IIIB	Sandal	Locus ?
?	70	973.24.2943.2	-	CN IIIB	Sandal	Locus ?
?	70	973.24.2943.3	-	CN IIIB	Sandal	Locus ?
?	70	973.24.2943.6	-	CN IIIB	Sandal	Locus ?
?	71	973.24.3242.2	-	CN III?	Sandal	C. 3 or 5 ?, S 749
?	72	973.24.3340	-	CN III?	Sandal	C. 3, T. 807, T. C. 9
?	73	973.24.2940.1	-	CN III?	Sandal	Locus ?
?	73	973.24.2940.2	-	CN III?	Sandal	Locus ?
?	73	973.24.2940.3	-	CN III?	Sandal	Locus ?
?	74	973.24.3296	-	CN III?	Sandal	C. 3, T. 736, T. C. 1
?	81	973.24.3299.1	-	Ind. pre-strap	Sandal	SW wall of church 7 above windows
?	82	973.24.3328.1	-	Ind. pre-strap	Sandal	Locus ?
?	82	973.24.3328.2	-	Ind. pre-strap	Sandal	Locus ?
?	83	973.24.3303.1	-	Ind. pre-strap	Sandal	Trench 7/104-60
?	84	973.24.2967.1	-	Ind. pre-strap	Sandal	Locus ?
?	85	973.24.2962	-	Ind. pre-strap	Sandal	Locus ?
?	86	973.24.2969	-	Ind. pre-strap	Sandal	Locus ?
?	87	973.24.2954.2	-	Ind. pre-strap	Sandal	Locus ?
?	87	973.24.2954.3	-	Ind. pre-strap	Sandal	Locus ?
?	93	973.24.2942.1	-	Ind. pre-strap	Sandal	Locus ?
?	93	973.24.2942.2	-	Ind. pre-strap	Sandal	Locus ?
?	93	973.24.2942.3	-	Ind. pre-strap	Sandal	Locus ?
?	93	973.24.2942.4	-	Ind. pre-strap	Sandal	Locus ?
?	94	973.24.2939.1	-	Ind. pre-strap	Sandal	Locus ?
?	94	973.24.2939.2	-	Ind. pre-strap	Sandal	Locus ?
?	94	973.24.2939.3	-	Ind. pre-strap	Sandal	Locus ?
?	95	973.24.2974.1	-	Ind. pre-strap	Sandal	Locus ?
?	95	973.24.2974.2	-	Ind. pre-strap	Sandal	Locus ?
?	95	973.24.2974.3	-	Ind. pre-strap	Sandal	Locus ?
?	95	973.24.2974.4	-	Ind. pre-strap	Sandal	Locus ?

Date	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Provenance
?	96	973.24.3303.2	-	Unidentified	Sandal	Trench 7/104-60
?	101	973.24.2946.1	-	Unidentified	Sandal	Locus ?
?	101	973.24.2946.2	-	Unidentified	Sandal	Locus ?
?	101	973.24.2946.3	-	Unidentified	Sandal	Locus ?
?	101	973.24.2946.4	-	Unidentified	Sandal	Locus ?
?	102	973.24.2947	-	Unidentified	Sandal	Locus ?
?	103	973.24.2955.1	-	Unidentified	Sandal	Locus ?
?	104	973.24.2956.1	-	Unidentified	Sandal	Locus ?
?	105	973.24.3324.1	-	Unidentified	Sandal	C. 3, T. 836, T. C. 8
?	105	973.24.3324.2	-	Unidentified	Sandal	C. 3, T. 836, T. C. 8
?	105	973.24.3324.3	-	Unidentified	Sandal	C. 3, T. 836, T. C. 8
?	107	973.24.3283.3	-	Unidentified	Sandal	C. 3, T. 711, T. C. 2
?	108	973.24.3330.3	-	Unidentified	Sandal	Locus ?
?	109	973.24.3360.1	-	Unidentified	Sandal	C. 1, T. 39
?	109	973.24.3360.2	-	Unidentified	Sandal	C. 1, T. 39
?	110	973.24.3364	-	Unidentified	Sandal	1-42
?	111	973.24.3382.3	-	Unidentified	Sandal	Locus ?
?	111	973.24.3382.4	-	Unidentified	Sandal	Locus ?
?	117	973.24.3225	64:2:16	M.'s X, B, 2	Shoe	C. 3, T. 743, T. C. 5
?	125	973.24.2966.2	-	Unidentified	Shoe	Locus ?
?	126	973.24.2963.3	-	Unidentified	Shoe	Locus ?
Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	23	973.24.2674.1	63:3:244	CN IB	Sandal	C. 3, T. 86, T. C. 6
Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	23	973.24.2674.2	63:3:244	CN IB	Sandal	C. 3, T. 86, T. C. 6
Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	24	973.24.2678.1	63:4:37	CN IB	Sandal	C. 3, T. 338, T. C. 10
Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	24	973.24.2678.2	63:4:37	CN IB	Sandal	C. 3, T. 338, T. C. 10
Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	29	973.24.2685	63:12:120	CN IB	Sandal	C. 3, T. 449, T. C. 4
Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	68	973.24.2690	63:4:85	CN IIIB	Sandal	C. 3, T. 226
Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)(?)	69	973.24.2971.1	-	CN IIIB	Sandal	Locus ?
Late to Post-Meroitic continuum (Late Meriotic is c. 350-400 AD)	98	973.24.2688	63:4:1	Unidentified	Sandal	C. 3, T. 165, T. C. 4
Late Meroitic	1	973.24.2010.1	63:12:50	CN IA	Sandal	C. 3, T. 508, T. C. 3
Late Meroitic	1	973.24.2010.2	63:12:50	CN IA	Sandal	C. 3, T. 508, T. C. 3

Date	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Provenance
Late Meroitic	2	973.24.2696.2	63:3:368	CN IA	Sandal	C. 3, T. 89, T. C. 5
Late Meroitic	2	973.24.2696.3	63:3:368	CN IA	Sandal	C. 3, T. 89, T. C. 5
Late Meroitic	3	973.24.2698.1	63:4:302	CN IA	Sandal	C. 3, T. 268, T. C. 5
Late Meroitic	3	973.24.2698.2	63:4:302	CN IA	Sandal	C. 3, T. 268, T. C. 5
Late Meroitic	28	973.24.2682.1	63:4:352	CN IB	Sandal	C. 3, T. 343, T. C. 4
Late Meroitic	28	973.24.2682.2	63:4:352	Unidentified	Sandal	C. 3, T. 343, T. C. 4
Late Meroitic	28	973.24.2682.3	63:4:352	Unidentified	Sandal	C. 3, T. 343, T. C. 4
Late Meroitic	30	973.24.2686.1	64:2:20	CN IB	Sandal	C. 3, T. 726, T. C. 3
Late Meroitic	30	973.24.2686.2	64:2:20	CN IB	Sandal	C. 3, T. 726, T. C. 3
Late Meroitic	30	973.24.2686.3	64:2:20	CN IB	Sandal	C. 3, T. 726, T. C. 3
Late Meroitic	31	973.24.2691.1	63:12:93	CN IB	Sandal	C. 3, T. 428, T. C. 3
Late Meroitic	31	973.24.2691.2	63:12:93	CN IB	Sandal	C. 3, T. 428, T. C. 3
Late Meroitic	33	973.24.2697.1	63:4:182	CN IB	Sandal	C. 3, T. 402, T. C. 6
Late Meroitic	33	973.24.2697.2	63:4:182	CN IB	Sandal	C. 3, T. 402, T. C. 6
Late Meroitic	49	973.24.2677.1	63:3:372	CN IB/C	Sandal	C. 3, T. 81, T. C. 2
Late Meroitic	49	973.24.2677.2	63:3:372	CN IB/C	Sandal	C. 3, T. 81, T. C. 2
Late Meroitic	49	973.24.2677.3	63:3:372	CN IB/C	Sandal	C. 3, T. 81, T. C. 2
Late Meroitic	49	973.24.2677.4	63:3:372	CN IB/C	Sandal	C. 3, T. 81, T. C. 2
Late Meroitic	49	973.24.2677.5	63:3:372	CN IB/C	Sandal	C. 3, T. 81, T. C. 2
Late Meroitic	50	973.24.2687.1	63:3:215	CN IB/C	Sandal	C. 3, T. 73, T. C. 5
Late Meroitic	50	973.24.2687.2	63:3:215	Unidentified	Sandal	C. 3, T. 73, T. C. 5
Late Meroitic	50	973.24.2687.3	63:3:215	Unidentified	Sandal	C. 3, T. 73, T. C. 5
Late Meroitic	59	973.24.671.1	64:2:15.1	CN IIIA	Sandal	C. 3, T. 800, T. C. 1 + 6
Late Meroitic	59	973.24.671.2	64:2:15.2	CN IIIA	Sandal	C. 3, T. 800, T. C. 1 + 6
Late Meroitic	60	973.24.760	64:1:310	CN IIIA	Sandal	C. 3, T. 772, T. C. 6
Late Meroitic	61	973.24.2699	64:1:210	CN IIIA	Sandal	C. 3, T. 748, T. C. 1
Late Meroitic	75	973.24.2676.1	63:3:367	Toe-Shaped I	Sandal	C. 3, T. 6, T. C. 10
Late Meroitic	75	973.24.2676.2	63:3:367	Toe-Shaped I	Sandal	C. 3, T. 6, T. C. 10
Late Meroitic	76	973.24.2737.1	63:3:369	Toe-Shaped I	Sandal	C. 3, T. 137, T. C. 1
Late Meroitic	76	973.24.2737.2	63:3:369	Toe-Shaped I	Sandal	C. 3, T. 137, T. C. 1
Late Meroitic	76	973.24.2737.3	63:3:369	Toe-Shaped I	Sandal	C. 3, T. 137, T. C. 1
Late Meroitic	76	973.24.2737.4	63:3:369	Toe-Shaped I	Sandal	C. 3, T. 137, T. C. 1
Late Meroitic	76	973.24.2737.5	63:3:369	Toe-Shaped I	Sandal	C. 3, T. 137, T. C. 1
Late Meroitic	76	973.24.2737.6	63:3:369	Toe-Shaped I	Sandal	C. 3, T. 137, T. C. 1
Late Meroitic	77	973.24.2683.1	63:4:354	Toe-Shaped II	Sandal	C. 3, T. 343, T. C. 1
Late Meroitic	77	973.24.2683.2	63:4:354	Toe-Shaped II	Sandal	C. 3, T. 343, T. C. 1
Late Meroitic	89	973.24.2675.1	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.10	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.2	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.3	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.4	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.5	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.6	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.7	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.8	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	89	973.24.2675.9	63:3:245	Ind. pre-strap	Sandal	C. 3, T. 73, T. C. 6
Late Meroitic	90	973.24.672	64:1:332	Ind. pre-strap	Sandal	C. 3, T. 775, T. C. 2

Date	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Provenance
Late Meroitic	92	973.24.2893.1	63:4:351	Ind. pre-strap	Sandal	C. 3, T. 372, T. C. 5
Late Meroitic	99	973.24.2893.2	63:4:351	Unidentified	Sandal	C. 3, T. 372, T. C. 5
Late Meroitic	100	973.24.2788	63:3:118	Unidentified	Sandal	C. 3, Pyramid 1, T. C. 1
Late Meroitic	115	973.24.673	63:12:46	?	Shoe	C. 3, T. 510, T. C. 4
Late Meroitic?	27	973.24.2753	63:3:370	CN IB	Sandal	C. 3, T. 46
Late or Post-Meroitic	22	973.24.2011.1	63:12:55	CN IB	Sandal	C. 3, T. 515, T. C. 1
Late or Post-Meroitic	22	973.24.2011.2	63:12:55	CN IB	Sandal	C. 3, T. 515, T. C. 1
Late or Post-Meroitic	37	973.24.2756.1	63:4:120	CN IB	Sandal	C. 3, T. 354, T. C. 4
Late or Post-Meroitic	37	973.24.2756.2	63:4:120	CN IB	Sandal	C. 3, T. 354, T. C. 4
Late or Post-Meroitic	91	973.24.2759.1	63:4:122	Ind. pre-strap	Sandal	C. 3, T. 207, T. C. 2
Late or Post-Meroitic	91	973.24.2759.2	63:4:122	Ind. pre-strap	Sandal	C. 3, T. 207, T. C. 2
Early Post-Meroitic	4	973.24.2739	63:12:152	CN IA	Sandal	C. 3, T. 447, T. C. 5
Early Post-Meroitic	52	973.24.2684	63:12:90	CN IC	Sandal	C. 3, T. 447, T. C. 3
Early Post-Meroitic	55	973.24.2693.1	64:1:197	CN IC	Sandal	C. 3, T. 732, T. C. 2
Early Post-Meroitic	55	973.24.2693.2	64:1:197	CN IC	Sandal	C. 3, T. 732, T. C. 2
Early Post-Meroitic	58	973.24.2012.1	64:1:211	CN IIA	Sandal	C. 3, T. 732, T. C. 7
Early Post-Meroitic	58	973.24.2012.2	64:1:211	CN IIA	Sandal	C. 3, T. 732, T. C. 7
Early Post-Meroitic	116	973.24.2758.1	63:3:268	M.'s X, B, 2	Shoe	C. 3, T. 120
Early Post-Meroitic	116	973.24.2758.2	63:3:268	M.'s X, B, 2	Shoe	C. 3, T. 120
Early Post-Meroitic?	38	973.24.2757	64:1:104	CN IB	Sandal	C. 3, T. 719, T. C. 1
Early Post-Meroitic?	63	973.24.2762	64:2:145	CN IIIA	Sandal	C. 3, T. 853, T. C. 1
Late Post-Meroitic	39	973.24.2760	64:1:169	CN IB	Sandal	C. 3, T. 721, T. C. 8
Post-Meroitic	5	973.24.2755.1	63:3:243	CN IA	Sandal	C. 3, T. 98, T. C. 3
Post-Meroitic	5	973.24.2755.2	63:3:243	CN IA	Sandal	C. 3, T. 98, T. C. 3
Post-Meroitic	5	973.24.2755.3	63:3:243	CN IA	Sandal	C. 3, T. 98, T. C. 3
Post-Meroitic	5	973.24.2755.4	63:3:243	CN IA	Sandal	C. 3, T. 98, T. C. 3
Post-Meroitic	5	973.24.2755.5	63:3:243	CN IA	Sandal	C. 3, T. 98, T. C. 3
Post-Meroitic	5	973.24.2755.6	63:3:243	CN IA	Sandal	C. 3, T. 98, T. C. 3
Post-Meroitic	34	973.24.2700.1	63:2:174	CN IB	Sandal	C. 1, T. 53
Post-Meroitic	34	973.24.2700.2	63:2:174	CN IB	Sandal	C. 1, T. 53
Post-Meroitic	34	973.24.2700.3	63:2:174	CN IB	Sandal	C. 1, T. 53
Post-Meroitic	34	973.24.2700.4	63:2:174	CN IB	Sandal	C. 1, T. 53
Post-Meroitic	35	973.24.2702	63:3:122	CN IB	Sandal	C. 3, T. 24, T. C. 6
Post-Meroitic	36	973.24.2754	63:4:110	CN IB	Sandal	C. 3, T. 370, T. C. 6
Post-Meroitic	51	973.24.2671.1	63:2:192	CN IC	Sandal	C. 1, T. 13
Post-Meroitic	51	973.24.2671.2	63:2:192	CN IC	Sandal	C. 1, T. 13
Post-Meroitic	53	973.24.2701.1	63:2:180	CN IC	Sandal	C. 1, T. 110, T. C. 28
Post-Meroitic	53	973.24.2701.2	63:2:180	CN IC	Sandal	C. 1, T. 110, T. C. 28
Post-Meroitic	53	973.24.2701.3	63:2:180	CN IC	Sandal	C. 1, T. 110, T. C. 28
Post-Meroitic	97	973.24.2670.1	63:2:179	Unidentified	Sandal	C. 1, T. 54, T. C. 6
Post-Meroitic	97	973.24.2670.2	63:2:179	Unidentified	Sandal	C. 1, T. 54, T. C. 6
Post-Meroitic	97	973.24.2670.3	63:2:179	Unidentified	Sandal	C. 1, T. 54, T. C. 6
Post-Meroitic	106	973.24.2937.1	63:2:210	Unidentified	Sandal	C. 1, T. 121, T. C. 21
Post-Meroitic	106	973.24.2937.13	63:2:210	Unidentified	Sandal	C. 1, T. 121, T. C. 21
Post-Meroitic	106	973.24.2937.5	63:2:210	Unidentified	Sandal	C. 1, T. 121, T. C. 21
Post-Meroitic	112	973.24.2673.1	63:3:217	Unidentified	Sandal	C. 3, T. 37
Post-Meroitic	112	973.24.2673.2	63:3:217	Unidentified	Sandal	C. 3, T. 37

Date	Cat. No.	Reg. No.	Exc. Field No.	Type	Object	Provenance
Post-Meroitic	113	973.24.2797.3	64:2:144	Unidentified	Sandal	C. 3, T. 853, T. C. 2 + 11
Post-Meroitic	114	973.24.2672.1	63:2:419	M.'s IV, B, 2	Shoe	C. 1, T. 142, T. C. 20
Post-Meroitic	114	973.24.2672.2	63:2:419	M.'s IV, B, 2	Shoe	C. 1, T. 142, T. C. 20
Post-Meroitic	114	973.24.2672.3	63:2:419	M.'s IV, B, 2	Shoe	C. 1, T. 142, T. C. 20
Post-Meroitic	114	973.24.2672.4	63:2:419	M.'s IV, B, 2	Shoe	C. 1, T. 142, T. C. 20
Post-Meroitic	114	973.24.2672.5	63:2:419	M.'s IV, B, 2	Shoe	C. 1, T. 142, T. C. 20
Post-Meroitic	114	973.24.2672.6	63:2:419	M.'s IV, B, 2	Shoe	C. 1, T. 142, T. C. 20
Post-Meroitic	114	973.24.2672.7	63:2:419	M.'s IV, B, 2	Shoe	C. 1, T. 142, T. C. 20
Post-Meroitic	114	973.24.2672.8	63:2:419	M.'s IV, B, 2	Shoe	C. 1, T. 142, T. C. 20
Post-Meroitic?	6	973.24.2763.1	64:12:146	CN IA	Sandal	C. 3, T. 446
Post-Meroitic?	6	973.24.2763.2	64:12:146	CN IA	Sandal	C. 3, T. 446
Post-Meroitic?	6	973.24.2763.3	64:12:146	CN IA	Sandal	C. 3, T. 446
Post-Meroitic?	6	973.24.2763.4	64:12:146	CN IA	Sandal	C. 3, T. 446
Post-Meroitic?	6	973.24.2763.5	64:12:146	CN IA	Sandal	C. 3, T. 446
Post-Meroitic?	32	973.24.2692.1	63:12:146	CN IB	Sandal	C. 3, T. 446, T. C. 2
Post-Meroitic?	32	973.24.2692.2	63:12:146	CN IB	Sandal	C. 3, T. 446, T. C. 2
Post-Meroitic?	40	973.24.2761.1	64:1:233	CN IB	Sandal	C. 1, T. 184, T. C. 12
Post-Meroitic?	40	973.24.2761.2	64:1:233	CN IB	Sandal	C. 1, T. 184, T. C. 12
Post-Meroitic?	120	973.24.2735.1	63:12:134	Stubbed-Toe	Shoe	C. 3, T. 466, T. C. 1
Post-Meroitic?	120	973.24.2735.2	63:12:134	Stubbed-Toe	Shoe	C. 3, T. 466, T. C. 1
Late Christian	118	973.24.2694	66:2:151	Fustat	Shoe	Citadel locus 337 room 1
Late Christian	118	973.24.2695	66:2:152	Fustat	Shoe	Citadel below locus 307 between first and second floors
Late Christian	119	973.24.2704.1	66:1:9	Fustat	Shoe	Citadel church 4 in coffin at foot end
Late Christian	119	973.24.2704.2	66:1:9	Fustat	Shoe	Citadel church 4 in coffin at foot end
Late Christian/Ottoman	78	973.24.2764	65:1:24	Reinf. Plait.	Sandal	Trench 6, Section 1, Meter 2
Late Christian/Ottoman	79	973.24.2967.2	-	Reinf. Plait.	Sandal	Locus ?
Late Christian/Ottoman	80	973.24.3303.3	-	Reinf. Plait.	Sandal	Trench 7/104-60
Late Christian/Ottoman	88	973.24.3372	-	Ind. pre-strap	Sandal	100 G
Ottoman	121	973.24.3300	65:1:29	M.'s IV, B, 3	Shoe	Trench 6
Ottoman	122	973.24.3299.2	-	M.'s IV, B, 3	Shoe	SW wall of church 7 above windows
Ottoman	123	973.24.2961	-	V.'s XII, C, 2	Shoe	Locus ?
Ottoman	124	973.24.2973	-	V.'s XII, C, 2	Shoe	Locus ?

EXCAVATIONS OF GEBEL ADDA (LOWER NUBIA)

ANCIENT NUBIAN LEATHERWORK PART I: SANDALS AND SHOES



The excavations of Gebel Adda (Lower Nubia) by the American Research Center in Egypt's Nubian Expedition (1962-1966, directed by Nicholas B. Millet) yielded large quantities of objects, including an impressive collection of leatherwork. The finds, which show a remarkable degree of preservation, date from the Meroitic Period (about AD 100-400) through the Christian (AD 641-1400) and Islamic Periods (AD 1400), and were mainly recovered from tombs.

The large variety of leather objects, currently housed in the Royal Ontario Museum in Toronto, clearly indicates the high degree of the leatherwork technology of the Nubian people. Among the objects are the famous (post-)Meroitic quivers, scabbards, and wrist guards. The present work – the first of two volumes on the leatherwork – however, presents only the footwear (sandals and shoes). It includes detailed descriptions, accompanied by colour photographs and, where necessary, drawings. The preliminary analysis, in which the Gebel Adda material is comprehensively compared with the finds from other sites, discusses topics such as typological development, diachronic change, and geographical variations.

Dr. André J. Veldmeijer, Visiting Research Scholar of the American University in Cairo, has worked as an archaeologist in Egypt since 1995, specializing in, among other things, leatherwork and footwear. He (co-)directs several projects, including the Ancient Egyptian Leatherwork Project, which encompasses the Egyptian Museum Chariot Project and the Tutankhamun's Sticks & Staves Project. He has published extensively, both for scientific and popular audiences.

Sidestone Press

ISBN: 978-90-8890-412-7



9 789088 904127 >