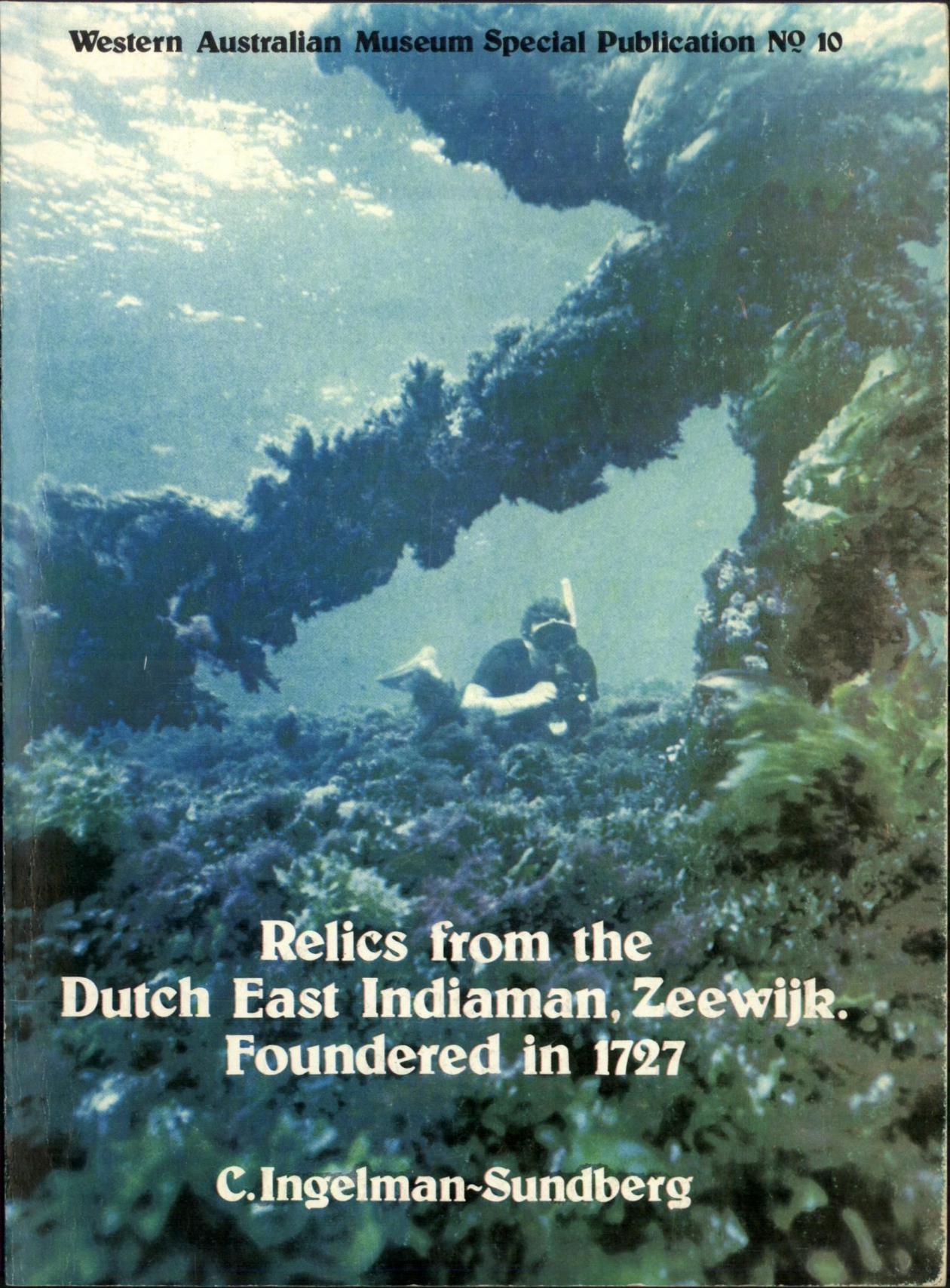


**Western Australian Museum Special Publication Nº 10**

An underwater photograph showing a diver in a dark wetsuit and mask, positioned in the center of a large, dark, rectangular opening in a rock formation. The diver is looking towards the camera. The surrounding water is clear and blue, with some green seaweed visible on the right side. The overall scene is dimly lit, suggesting an underwater environment.

**Relics from the  
Dutch East Indiaman, Zeewijk.  
Foundered in 1727**

**C. Ingelman-Sundberg**

EDITOR:

A.F. LOVELL

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Cover photograph:

*Diver examining one of Zeewijk's bow anchors.*

Photo: C. Ingelman-Sundberg

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WESTERN AUSTRALIAN MUSEUM  
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**Perth 1978**



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## AUTHOR'S NOTE

This is a preliminary catalogue of material recovered from the *Zeewijk* site from 1840 to 1975.

The artifacts listed include finds from the wreck itself on the outside of Half Moon reef, material washed over the reef, artifacts left behind on Gun Island by the *Zeewijk* castaways, and artifacts recovered from nearby islands such as Middle Island and Pelsart Island known to have been visited by the *Zeewijk* crew.

In 1976 the Maritime Archaeology Department at the Western Australian Museum initiated a *Zeewijk* research project, expected to continue for at least three seasons.

A catalogue on artifacts recovered in connection with this project, as well as research on the entire wreck collection, will be published separately later.

In this catalogue drawings have been made of all items in the Western Australian Museum's collection registered before 1976 with the exception of conglomerates and artifacts with identical appearance.



*Gun Island as seen from the air. Note the narrow strip of dark scrub on the western end of the island, supposed to be the only area untouched by guano diggers in the 19th century.*

P. E. Baker

# THE ZEEWIJK STORY

## INTRODUCTION

On 7 November 1726 the recently built Dutch East Indiaman *Zeewijk* left Rammekens near Vlissingen in The Netherlands<sup>1</sup>. She was bound for Batavia, Java, with a complement of 208 seamen and soldiers. On 13 November *Zeewijk* arrived at the Road of Downs off the English coast and ten days later, after having lost two anchors and one of her cables, she finally set sail for the East Indies<sup>2</sup>.

*Zeewijk* was a Zeeland ship, one of five East Indiamen constructed by the Dutch East India Company in 1725<sup>3</sup>. She was 40.6 m (145 ft)<sup>4</sup> long and had a draught of 5.53 m (19.75 ft) in her stern and 4.9 m (17.5 ft) forward. She was registered at 140 lasten<sup>5</sup> (278 tonnes) and armed with 36 cannon and six small breech-loading swivel guns<sup>6</sup>. The master carpenter and supervisor was Hendrick Rass<sup>7</sup>.

On her maiden voyage *Zeewijk* carried heavy ironwork, bricks and cash money in ten chests amounting to 315,837 guilders<sup>8</sup>. Provisions for the long journey to the East Indies included barrels and cases of meat, fish, groats, butter, cheeses, wine and brandy<sup>9</sup>.

The originally appointed skipper, Jan Bogaard, was not on board. He was ill and unfit to sail, and Jan Steyns from Middelburg was nominated to take his place<sup>10</sup>. This change of command was to be of great significance for the fate of the *Zeewijk*. For Jan Steyns the *Zeewijk* was to be his first and last command.

## THE JOURNEY

After a journey of 4½ months, *Zeewijk* arrived at the Cape of Good Hope on 26 March 1727<sup>11</sup>. There the crew brought ashore cargo which had been loaded for the Cape. It is not known what was actually brought ashore but the unloading took ten days. In a letter from the Governor and Council of the Cape of Good Hope to the Gentlemen XVII\*, it is stated that the goods and provisions carried in the company's ships for 1727 had been delivered in good order according to the invoices and bills of lading sent with them. However, in the letter there is a statement that 4,098 pieces of grey brick stones and one donkey, which had died on the voyage, had not been

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\* The supreme Board of Directors of the Dutch East India company.

delivered from the *Zeewijk*<sup>12</sup>. When the unloading was completed, ballast was taken on board and three days later, on 21 April 1727, *Zeewijk* slipped her cables and set sail for Batavia. It was on this leg of the voyage that Jan Steyns made an unfortunate decision — despite the protests of the steersman. The ship's log of 21 May 1727 reads: ' . . . it was decided unanimously to steer ENE, if there is an opportunity, in order to, if feasible, call at the land of Eendracht'<sup>13</sup> [Western Australia]. This decision contravened the strict sailing orders of the Directorate of the Dutch East India Company which warned skippers of the low off-shore reefs and sandbanks off the Western Australian coast<sup>14</sup>.

According to the Governor-General and High Council of the Dutch East Indies, Jan Steyns took the *Zeewijk* too close to the coast thus causing the loss of the ship<sup>15</sup>.

### THE DISASTER

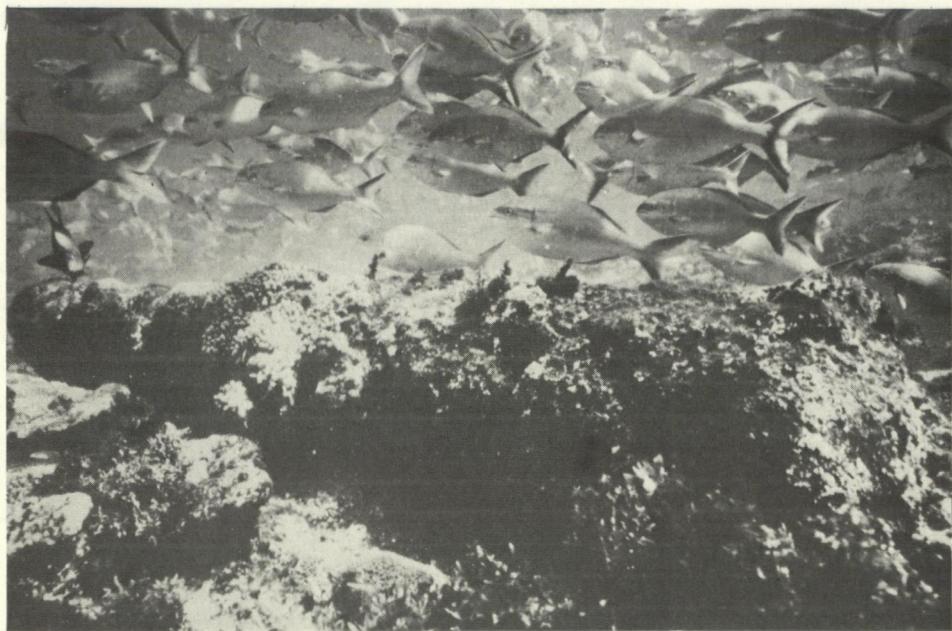
At 7.30 p.m. on 9 June 1727, with the small sail and foresail set and both topsails double-reefed, *Zeewijk* ran aground. The ship had struck on the northern edge of Half Moon reef in the Houtman Abrolhos, near the land of Eendracht. In the dusk the surf breaking on the reef had been mistaken for reflections from the sky<sup>15</sup>.

The ship crashed with full force. The rudder was knocked out of the helm-port and the main mast broke and fell overboard. As the second mate Adriaen van der Graeff made his way to the steerage he found that the ship had filled with 2.25 m (8 ft) of water. Outraged the crew blamed their master Jan Steyns for having caused the disaster<sup>16</sup>.

At daybreak, the castaways observed 10 to 12 islands lying approximately 4 km from the ship, which they assumed to be Frederick Houtman's Abrolhos. According to the ship's journal their position was 28°50'S, 128°19'E.

### CASTAWAYS

After having been exposed to the heavy swells and breakers on the reef for over a week, the crew finally managed to launch the long boat. Ninety-six members of the crew reached the shore of a nearby island, which is known today as Gun Island<sup>17</sup>. This island is 800 m long and 350 m wide, approximately 64 km from the mainland — the land of Eendracht. It is a flat rocky limestone island with narrow sandy beaches situated on the inside of the reef where *Zeewijk* was wrecked. It is treeless, has sparse vegetation and the



H. Edwards

*One of the cannon situated on top of the reef.*



P.E. Baker

*Cannon balls found on the inside reef 0.5 km from the main wreck site.*

highest point rises only about 4 m above sea level. However, to the survivors from the *Zeewijk* wreck the most important factor was that the island had fresh water<sup>18</sup>.

Soon after the camp was organised a group of 11 of the best seamen under the command of the First Officer Peter Langeweg decided to sail to Batavia for help. The longboat was put into order and on 10 July, a month after the disaster, they set sail for Batavia<sup>19</sup>. No help was to come; the longboat never reached its destination.

On Gun Island the castaways spent their time looking for fresh water and collecting food. Some caught seals or birds, while others, whenever possible, tried to get to the wreck in order to collect provisions.

### THE SLOEPIE

By the end of October, it became obvious to the survivors that something must have happened to the longboat. On 29 October, there is a significant passage in the journal: 'from the wreck we have, to the best of our ability, despatched a good deal of victuals . . . as well as timber, rope and iron fittings, everything, in short, which could serve for the building of a new vessel for our rescue . . .'<sup>21</sup> The forecabin and important features such as planks, beams, knees and the spare main mast and the mizzen mast stump were taken from the *Zeewijk*. In addition, a group was sent out to search for timbers on the nearby islands<sup>21</sup>.

On 7 November, the keel was laid on what was to be their new boat called '*Sloepie*'. Victuals, as much as were thought to be required for the voyage to Batavia, were collected and stored in a separate tent.

On 16 November, *Sloepie*'s sternpost was erected and two weeks later the stern<sup>22</sup>. The vessel was launched on 28 February and the *Zeewijk* crew celebrated the event by consuming some of the wine that had been saved from the wreck<sup>23</sup>.

During the following days the castaways warped their yacht, and the 2nd mate Adriaen van der Graeff made an exploratory tour in the gig to plot *Sloepie*'s course through the shallows. Finally, on 26 March, they weighed anchor and set sail for Batavia<sup>24</sup>. On board were 88 officers, seamen and soldiers, 120 less than left The Netherlands 1½ years earlier.

The month-long journey to Batavia saw the deaths of another six men before finally at 5 o'clock in the evening on 30 April 1728, *Sloepie* arrived at the Batavia Roads. The journey that had started on 7 November 1726, had at last come to an end<sup>25</sup>.

## THE TRIAL

Eighty-two of the crew and the cargo of money from the *Zeewijk* had been salvaged. The skipper Jan Steyns, however, had to appear before the High Court of Justice at Batavia and take the consequences of his fateful decision to call at the land of Eendracht. In a letter from the Indies to the Gentlemen XVII the skipper Jan Steyns is accused of *Zeewijk's* disaster by having '... approached the "Zuydland"\* too recklessly contrary to the known orders and the protests of the steersman . . .'<sup>14</sup>. He was also blamed for having tried to deceive the Governor-General and the High Council of the Dutch East Indies with altered or falsified journals, in order to cover, if possible, his significant role in the disaster<sup>14</sup>. Jan Steyns, therefore, was put under arrest and sued. All his property and cash were confiscated. He was deprived of his office and salary and declared forever unable to serve the Honourable Company. In addition, he was banished forever from the territories under the jurisdiction of the Company<sup>26</sup>.

The last minutes of the proceedings and resolution of Gentlemen XVII concerning the fate of *Zeewijk* and its crew is dated 30 August 1729. It states that it has been approved and resolved that the earned monthly wages will be paid to the heirs of the men who had died in the *Zeewijk* disaster<sup>27</sup>.

## THE REDISCOVERY OF ZEEWIJK

In 1840, 113 years after *Zeewijk* was lost on the reefs and shallows of the Indian Ocean, the British survey ship H.M.S. *Beagle* landed on the island where once the marooned survivors had camped. They found a brass four-pounder swivel gun, with a breech-block and the Dutch East India Company's initials V.O.C. (Vereenigde Oost-Indische Compagnie), engraved on it — thus the island was named Gun Island. They also found ornamental brass work, for harnesses, the gilding still well preserved; two Dutch coins dated 1707 and 1720; clay pipes and a number of stout Dutch wine bottles. Stokes, of H.M.S. *Beagle*, who related this, also mentions that the bottles had been placed in a row, as if for the purpose of collecting water. He considered the bottles to be very large and capable of holding about 25 litres.

During his visits to the Abrolhos, Stokes observed guano† deposits on some of the islands in the Pelsart group, among them Gun Island. Private

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\* In the documents of the 17th and 18th century, the Dutch navigators referred to the Australian coast as the 'Zuydland' or the land of 'Eendracht'.

† Guano — bird dropping accumulated over centuries and used as fertilizer.

enterprise soon started to exploit the valuable guano, and it is known that from 1844 to 1850 at least four ships transported guano from the Abrolhos<sup>29</sup>.

In 1879, the Deputy Surveyor-General John Forrest went ashore on Gun Island to locate and evaluate the guano deposits. He found scarcely any guano and stated that there was only a few tons to be procured. In the same report he mentions the remains of the *Zeewijk* survivors' campsite: 'Found the old encampment of the *Zeewijk* party in 1727. Number of broken bottles, iron, a cannon ball, broken wine glass, number of clay pipes in perfect preservation (and) also two coins, one of copper about the size of a half penny with "Hollandia 1720" on it and the other the size of a four penny with "Zeelandia 1722" on it . . .'<sup>30</sup>

In 1884, after having tested the quality of the guano on the islands, Charles Edward Broadhurst formed the partnership of Broadhurst and McNeil Guano Contractors. The firm leased Gun Island and 19 other islands in the area for five years, a lease which was to be renewed several times during the following years.

The guano diggers cleaned the top soil of many islands and at times up to 90 vessels were chartered to transport the guano to various places throughout the world. The boom lasted to the turn of the century when the guano industry became uneconomic due to rising costs and the competition from chemical fertilizers. However, by that time the surface of Gun Island had been stripped to bare limestone rock except for a narrow strip of sand dunes on the western and northern ends of the island<sup>31</sup>.

The deposits on Gun Island had been one of the most heavily mined in the Pelsart group, and as a result a large amount of *Zeewijk* relics were encountered. Fortunately the Broadhursts were interested in their discoveries and any artifact found during the course of digging was carefully collected and listed. Among the finds recovered during that period were musket and cannon balls, fish hooks and leadweights, kettles, jars, pots, bottles, wine glasses, tobacco boxes and clay pipes and different types of silver and copper coins. In 1897, following the renewal of their leases for several times, the Broadhursts supplied a list of finds to the Royal Geographical Society of Australasia (see Appendix 1)<sup>32</sup>.

#### POST-19TH CENTURY EXPEDITIONS TO GUN ISLAND

In the 20th century there have been various visits to Gun Island. In 1952, six cannon, three cylindrical pieces of iron and two bundles of iron bars were located in the shallows on the inside of Half Moon reef. Three of the

guns were raised and one 12-pounder and one eight-pounder are now with the Western Australian Museum<sup>33</sup>. The cannon might have been carried into the shallows by the *Zeewijk* crew with the original intention of transporting them to Batavia. However, the presence of the cylindrical pieces of iron and the iron bars indicates that the cannon could probably originate from a major piece of wreckage that was washed over the reef when the ship broke up. Alternatively the cannon may have been jettisoned in an attempt to refloat the *Zeewijk*. This could have happened but seems unlikely as it is not mentioned in the ship's journal, and as it does not explain the presence of the other cannon on the top of the reef and in the shallows.

In 1963 the author and journalist Hugh Edwards, in co-operation with *The West Australian* newspaper, organised an expedition to the island. The shallows inside the reef were searched and digs were carried out at random on the island. In the shallows, five cannon, broken bottles, timbers, iron bars, lead and cannon balls were found. Two iron cannon were raised.

What was thought to be the old *Zeewijk* camp was located with a metal detector and barrel rungs and metal fragments were found down to 1.5 m. During the course of digging, human bones, rosary beads, pottery and clay pipes were recovered as well as fragments of broken glass and a glass bottle.

A fisherman showed the expedition members a site on the island 'known' to contain artifacts and after uncovering the surface of the place, a camp fire, a knife blade, a heap of barrel rungs, bones and fragments of glass and pottery were revealed.

In 1968, Hugh Edwards searched outside the reef for the main wreck and in March discovered major wreckage consisting of anchors, cannons, and a large mound of conglomerate.

In 1968, British Petroleum operated an unsuccessful oil rig on the island. During the construction work a guano camp on the east side of the island was demolished and several Dutch graves were unearthed on the west side. Two skeletons and the mask from a Bellarmine jug were found<sup>34</sup>.

From 30 April to 17 May 1972, a combined underwater and land survey was carried out in the area by the Underwater Explorers Club under the supervision of a member from the Maritime Archaeological Department at the Western Australian Museum.

An investigation of the inside reef revealed five large conglomerates which appeared to be kegs of nails and a large quantity of metal tubing of different shapes and sizes. Various anchors and cannon as well as a breech block were also found. A random land digging revealed bones, broken pottery and fragments of glass and clay pipes<sup>35</sup>.



*The finder of the Zeewijk wreck, Hugh Edwards, at one of the wells on Gun Island where the castaways found fresh water.*

In 1976 the Maritime Archaeology Department at the Western Australian Museum commenced the 'Zeewijk Project' — a combined land and under-water survey of the *Zeewijk* site. The aim of the project is to plot and record the remains of the wreck on both sides of Half Moon reef, and to locate and excavate the old *Zeewijk* encampment on Gun Island<sup>36</sup>.

## NOTES

- <sup>1</sup> Rammekens was a fortress on the Zeeland island of Walcheren situated on the coast a few miles NE of the town, Flushing.
- <sup>2</sup> GRAAF, Adriaan van der (1727 *MS. date*)—*Journal of the understeersman Adriaan van der Graaf*. The Hague, ARA, VOC Archives, Zeeland, series no. 1691. [Translation of the ship's journal by C. de Heer, with a short introduction and notes.]
- <sup>3</sup> VERENIGDE OOSTINDISCH COMPAGNIE (1725a. *MS. date*)—Minutes of Gentlemen XVII, 23 February, 1725. The Hague: ARA, Koloniaal Archief, 267.
- <sup>4</sup> One Amsterdam foot - 0.28 m.
- <sup>5</sup> One last = 1.976 tonnes.
- <sup>6</sup> GRAAF, Adriaan van der (1727 *MS. date*)—*Journal of the understeersman Adriaan van der Graaf*. The Hague, ARA, VOC Archives, Zeeland, series no. 1691. [Translation of the ship's journal by C. de Heer, with a short introduction and notes.]
- <sup>7</sup> VERENIGDE OOSTINDISCH COMPAGNIE (1725b. *MS. date*)—Minutes of Gentlemen XVII, 27 February, 1725. The Hague: ARA, Koloniaal Archief, 267.
- <sup>8</sup> VERENIGDE OOSTINDISCH COMPAGNIE (1728 *MS. date*)—Letter of the Governor-General and High Council of the Dutch East Indies to Gentlemen XVII dated Batavia, 31 October, 1728. The Hague: ARA, Koloniaal Archief, OB 1729 I, fol. 8 vso-14.
- <sup>9</sup> GRAAF, Adriaan van der (1727 *MS. date*)—*Journal of the understeersman Adriaan van der Graaf*. The Hague, ARA, VOC Archives, Zeeland, series no. 1691. [Translation of the ship's journal by C. de Heer, with a short introduction and notes.]
- <sup>10</sup> VERENIGDE OOSTINDISCH COMPAGNIE (1729 *MS. date*)—Minutes of the proceedings and resolutions of Gentlemen XVII, 30 August, 1729. The Hague: ARA, Koloniaal Archief, 268.
- <sup>11</sup> ANON. (1728 *MS. date*)—*List of ships arrived at the Cape of Good Hope in 1727*. The Hague: ARA, Koloniaal Archief 4082, OB Cape 1728 I, fol. 138-9.
- <sup>12</sup> VERENIGDE OOSTINDISCH COMPAGNIE (1728 *MS. date*)—Letter of Governor and Council of the Cape of Good Hope to Gentlemen XVII. The Hague: ARA, Koloniaal Archief 4082, OB Cape 1728 I, fol. 37 vso-38 vso.
- <sup>13</sup> GRAAF, Adriaan van der (1727 *MS. date*)—*Journal of the understeersman Adriaan van der Graaf*. The Hague, ARA, VOC Archives, Zeeland, series no. 1691. [Translation of the ship's journal by C. de Heer, with a short introduction and notes.]

- <sup>14</sup> VERENIGDE OOSTINDISCH COMPAGNIE (1728 *MS. date*)—Letter of the Governor-General and High Council of the Dutch East Indies to Gentlemen XVII dated Batavia, 31 October, 1728. The Hague: ARA, Koloniaal Archief, OB 1729 I, fol. 8 vso-14.
- <sup>15</sup> GRAAF, Adriaan van der (1727 *MS. date*)—*Journal of the understeersman Adriaan van der Graaf*. The Hague, ARA, VOC Archives, Zeeland, series no. 1691. [Translation of the ship's journal by C. de Heer, with a short introduction and notes.]
- <sup>16</sup> *Ibid.* p. 6-7.
- <sup>17</sup> *Ibid.* p. 8-16.
- <sup>18</sup> BEVACQUA, B. (1974)—*An archaeological evaluation of Gun Island*. Perth, Western Australian Museum, Department of Maritime Archaeology. [Unpublished report.]
- <sup>19</sup> GRAAF, Adriaan van der (1727 *MS. date*)—*Journal of the understeersman Adriaan van der Graaf*. The Hague, ARA, VOC Archives, Zeeland, series no. 1691. [Translation of the ship's journal by C. de Heer, with a short introduction and notes.]
- <sup>20</sup> *Ibid.* p. 58.
- <sup>21</sup> *Ibid.* p. 58. ff.
- <sup>22</sup> *Ibid.* p. 61. ff
- <sup>23</sup> *Ibid.* p. 93.
- <sup>24</sup> *Ibid.* p. 95-101.
- <sup>25</sup> *Ibid.* p. 113.
- <sup>26</sup> *Ibid.* p. iii.
- <sup>27</sup> VERENIGDE OOSTINDISCH COMPAGNIE (1729 *MS. date*)—Minutes of the proceedings and resolutions of Gentlemen XVII, 30 August, 1729. The Hague: ARA, Koloniaal Archief, 268.
- <sup>28</sup> STOKES, J. Lort (1846)—*Discoveries in Australia*. London: Boone. 2: 149-51.
- <sup>29</sup> BEVACQUA, B. (1974)—*An archaeological evaluation of Gun Island*. Perth, Western Australian Museum, Department of Maritime Archaeology. [Unpublished report.]
- <sup>30</sup> FORREST, J. (MS., *n.d.*)—*Report on a visit to the Abrolhos Island, 1879*. Perth: Battye Library.
- <sup>31</sup> BEVACQUA, B. (1974)—*An archaeological evaluation of Gun Island*. Perth, Western Australian Museum, Department of Maritime Archaeology. [Unpublished report.]
- <sup>32</sup> WEST AUSTRALIAN, *Newspaper* (1897)—Transactions of the Royal Geographical Society of Australasia. *The West Australian*, 27 August.
- <sup>33</sup> PLAYFORD, P.E. (1959)—The wreck of the *Zuytdorp* on the Western Australian coast in 1712. *J. Proc. R. West. Aust. hist. Soc.* 5: 5-41.
- <sup>34</sup> EDWARDS, 1975; personal communication.
- <sup>35</sup> STEWART, J. (1972)—*Expedition to Zeewijk site 30 April-17 May, 1972*. Perth: Western Australian Museum, Department of Maritime Archaeology. [Unpublished report.]
- <sup>36</sup> INGELMAN-SUNDBERG, C. (1976)—The V.O.C. ship *Zeewijk* 1727. Report on the 1976 survey of the site. *Aust. archaeol. Assn Newsl.* no. 5: 18-33.

## REFERENCES

- ANON. (1728 MS. date)—*List of ships arrived at the Cape of Good Hope in 1727*. The Hague: ARA, Koloniaal Archief 4082, OB Cape 1728 I, fol. 138-9.
- BEVACQUA, B. (1974)—*An archaeological evaluation of Gun Island*. Perth, Western Australian Museum, Department of Maritime Archaeology. [Unpublished report.]
- FORREST, J. (MS., n.d.)—*Report on a visit to the Abrolhos Island, 1879*. Perth: Battye Library.
- GRAAF, Adriaan van der (1727 MS. date)—*Journal of the understeersman Adriaan van der Graaf*. The Hague, ARA, VOC Archives, Zeeland, series no. 1691. [Translation of the ship's journal by C. de Heer, with a short introduction and notes.]
- INGELMAN-SUNDBERG, C. (1976)—The V.O.C. ship *Zeewijk 1727*. Report on the 1976 survey of the site. *Aust. archaeol. Assn Newsl.* no. 5: 18-33.
- PLAYFORD, P.E. (1959)—The wreck of the *Zuytdorp* on the Western Australian coast in 1712. *J. Proc. R. West. Aust. hist. Soc.* 5: 5-41.
- STEWART, J. (1972)—*Expedition to Zeewijk site 30 April-17 May, 1972*. Perth: Western Australian Museum, Department of Maritime Archaeology. [Unpublished report.]
- STOKES, J. Lort (1846)—*Discoveries in Australia*. London: Boone. 2: 149-51.
- VERENIGDE OOSTINDISCH COMPAGNIE (1725a. MS. date)—Minutes of Gentlemen XVII, 23 February, 1725. The Hague: ARA, Koloniaal Archief, 267.
- VERENIGDE OOSTINDISCH COMPAGNIE (1725b. MS. date)—Minutes of Gentlemen XVII, 27 February, 1725. The Hague: ARA, Koloniaal Archief, 267.
- VERENIGDE OOSTINDISCH COMPAGNIE (1728 MS. date)—Letter of Governor and Council of the Cape of Good Hope to Gentlemen XVII. The Hague: ARA, Koloniaal Archief 4082, OB Cape 1728 I, fol. 37 vso-38 vso.
- VERENIGDE OOSTINDISCH COMPAGNIE (1728 MS. date)—Letter of the Governor-General and High Council of the Dutch East Indies to Gentlemen XVII dated Batavia, 31 October, 1728. The Hague: ARA, Koloniaal Archief, OB 1729 I, fol. 8 vso-14.
- VERENIGDE OOSTINDISCH COMPAGNIE (1729 MS. date)—Minutes of the proceedings and resolutions of Gentlemen XVII, 30 August, 1729. The Hague: ARA, Koloniaal Archief, 268.
- WEST AUSTRALIAN, *Newspaper* (1897)—Transactions of the Royal Geographical Society of Australasia. *The West Australian*, 27 August.

## APPENDIX I

To the Hon. Secretary, Royal Geographical Society of Australasia, Victoria.

Dear Sir,

*The following is an accurate list of the relics found on Gun Island of the Houtman Group since our occupation. Articles sent by us to Sir John Forrest, and now in the Perth Museum: 3 large and 24 small cannon balls, 15 flagon-shaped bottles, 1 earthenware jar, 14 rosary beads, 9 lead sinkers, 22 clay pipes and stems, 5 copper fish hooks, 5 knives (much corroded), 6 pieces of lock flint, 7 brass buttons, 5 leaden weights, 16 pistol bullets, 2 copper kettles, 1 glass demijohn, 1 leaden inkpot, 2 coloured tumblers, 1 brass tap, 1 copper pot, 1 copper vessel with cover for padlocking, 1 wine glass, 2 pieces ordnance, 1 silver coin, Phillip IV of Spain, 3 copper coins, between 1702 and 1724, sundries including a small piece of copper marked 'Zeeland' and two remains of lignum vitae block sheaves; 1 silver coin sent to Wm. Marden, Esq., 14 Fenchurch Street, London, E.C. (A rix-dollar of the City of Utrecht, date 1726.)*

*In possession of Mrs G.A. Clifton, Perth: 2 wine glasses of very antique fashion.*

*In possession of M. Brown, Esq., Geraldton: 1 wine glass, similar to above.*

*A few copper coins, and sundry of the flagon-shaped bottles, besides a few odds and ends have got into the hands of the public through our employees. They could not be traced or enumerated. Summary of coins: 18 silver and 48 copper, 2 copper pieces of musket, one inscribed 'Kamer Zeeland', the other 'Cameer Zeeland' (Chamber of Zeeland).*

*A large number of copper articles, comprising fish hooks, manufactured on the spot; roughly-made copper dishes for using grease lights in; numerous kinds of buckles, some of which are apparently gilt, more or less; ordinary pins (of copper) with old-fashioned heads; sundry scissors, several spoons and part of spoons; numerous brass buttons, sundry curtain rings; musket fittings; funnel; tap; seaman's hanger (cutlass) guard; copper parts of blocks and sundry small articles of different kinds, all copper.*

*A number of iron articles including remains of knives; several cannon balls, two sizes; two shells for ordnance (one of these still had black*

matter resembling powder in it); chest locks, chest handles, sundry pieces corroded iron.

A number of leaden articles; fishing sinkers; weights; spoons; and upwards of 1,000 pistol bullets of varying sizes.

One pair very fine silver buttons (for officer's cape); legend on them, Joseph escaping from Potiphar's wife. These are just now in London. Several varieties of work in *Lignum vitae* wood. Several lumps of pitch excavated 5 feet deep. A number of different shaped bottles of various sizes. Two tobacco boxes with devices. A number of sundries; clay pipes and stems, broken wine glasses and broken tumblers, fossilised cork, several hundred rosary beads, broken pottery, pieces of slate, bone razor handles and buttons, part of old flint gun lock with indecipherable Dutch inscription; sundry pieces flint.



Guano diggers at work on Gun Island. It is estimated that guano diggers unearthed two-thirds of the whole island.

*List of coins found on Gun Island, Houtman's Abrolhos, since January 1, 1894: three silver coins about the size of an English half-crown piece; Latin inscription all fairly decipherable. Dates 1633, 1638, 1638, Phillip IV, King of Spain and the Indies (PHIL. III., D.G., HISP. ET. INDIAR. REX). The monarch in the centre, this on one side, and the other a coat of arms with a lion standing on each side, and the inscription, ARCHID. AVST. DVX. BRVG. BRAB.: 1 small silver coin, Dutch, 1657, Frisia; 1 medium-size silver coin, Dutch, 1690, Lat. inscriptions; 1 small silver coin, Dutch 1709 Hollandia; 1 small silver coin, Dutch, 1722, Zeelandia; 1 small silver coin Dutch, 1724, Zeelandia; 1 small silver coin Dutch, 1724, Zeelandia,; 4 silver coins, dates not decipherable, 37 copper coins, dates from 1702 to 1723, Dutch; 1 British coin, copper, George I, 1720; 1 Chinese coin, which a Chinese merchant in Geraldton tells me belongs to the time of Mon Late, King of China, 835 years ago; 52 coins in all, besides 2 pieces of gun locks marked 'Cameer Zeeland', and other odds and ends.*

*Besides the foregoing list, Captain J. Lort Stokes of H.M.S. Beagle, discovered a piece of cannon in 1840, and other articles mentioned in Major's 'Early Australian Voyages'. Surveyor-General J.S. Roe, of Western Australia, also found some articles in the sixties; and finally Sir John Forrest during his visit to the Abrolhos in 1882 made some further finds of clay pipes, etc.*

*Our own discoveries complete the history of these relics to date.*

*We trust you will find these particulars useful, and mentioning that press copies of this communication are being furnished by us to the British Consul at Amsterdam and to the Hon. Secretary of the Hakluyt.*

*Society, British Museum, we remain,*

*Dear Sir,*

*Yours faithfully,*

*BROADHURST, MACNEIL AND CO.*



*The huge swells and breakers on the Zeewijk site make any survey work and recording an extremely difficult task.*

## ACKNOWLEDGEMENTS

My appreciation and thanks are extended to various people who helped with this catalogue.

First of all I would like to thank Jeremy N. Green who not only supported this project, but also unselfishly provided half of the drawings for the catalogue. I would also like to thank Myra Stanbury for her kind help and assistance given with some drawings and register material, and Pat Baker and John Carpenter for supplying some of the photographs.

Thanks are also due to Hugh Edwards, the finder of the wreck, who familiarised the author with various expeditions to Gun Island and recoveries made in connection with them.

I am grateful for the assistance given by Ivor Noel Hume, who helped to identify some of the buckles, and for the help supplied by John McCashion, and the Gouda Pipe Museum who identified some of the clay pipes found on the site.

**SCHEDULE OF MATERIAL  
RECOVERED FROM THE ZEEWIJK SITE**

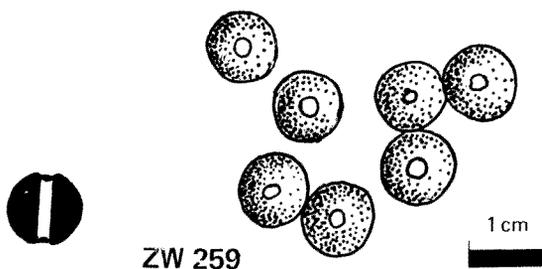
Description	Material	Register Number (all prefixed by ZW)
Beads	Ivory and bone	259, 254
Bones	Ivory and bone	859, 861, 266, 1120
Bottles	Glass	102-9, 134, 411, 412, 1000-1, 1012, 1057-9
Bottles, part of	Glass	110-33, 135-7, 249, 334, 832- 4, 838, 847, 854, 856-7, 860, 1014, 1113-16
Bricks	Ivory and bone	267, 332, 421, 845-6
Buckles	Brass	195, 196a-f, 199a-b, 1017-20, 1029-32, 248a
	Copper	419a-d
	Pewter	248b
Buckles, part of	Brass	198, 221, 229
Buttons	Brass	205(1-5)
	Ivory and bone	204, 205, 417
Candlesticks	Brass	193, 194
Cannon (and)	Bronze	1049, 1111
Breech block	Bronze	280, 835, 1050, 1111
Cannon balls	Iron	157-64, 420
Cauldron, part of	Brass	1063
	Copper	273
Chain links	Iron	255, 257
Churn	Brass	1062
Claypipes	Clay	427, 848, 152a-f, 153, 1118
Combs, part of	Ivory and bone	426
Drinking glasses and glassware	Glass	226-52, 1003-5, 1073
Drinking glasses, part of	Glass	138, 413, 1069, 1072, 1074- 98, 1100-3, 1117
Ferrules	Iron	177
	Brass	213, 214, 218, 219
Fish hooks	Brass	201, 1024-9, 1038
	Copper	1035, 1037, 1039
Fittings	Iron	272, 1042
	Brass	220, 227, 228, 230a-e, 232a-b, 234, 416
	Copper	209, 211
	Ivory and bone	421

Description	Material	Register Number (all prefixed by ZW)
Funnel	Copper	186
Furniture	Wood	333a-b
	Brass	230f
Hookah bowl	Pewter	283
Hooks	Iron	262a-b
	Brass	200a-b, 1066
Inkstand	Lead	414
Jar, part of	Earthenware	147-9
Jugs	Stoneware	141, 1056
	Pewter	423, 1002
Jugs, part of	Stoneware	139, 140, 142-7, 149, 151, 197, 335, 842, 844, 1119
Kettle	Brass	1061
	Copper	187, 1107, 1109
Knives, part of	Iron	178-80, 246, 538
	Ivory and bone	1099
Lid	Brass	1064-5
	Copper	181-3, 1108
Measure	Copper	1112
Musket balls	Lead	154-6, 418
Nails and bolts	Iron	258, 261, 265
Pan with pouring lips	Brass	1060
	Copper	184-5
Pair of scissors	Brass	202a-b, 203, 428, 1013, 1021
Pistol	Wood	250
	Iron	250
Muskets, parts of	Iron	263
	Brass	252, 253, 430, 1033-4, 1052- 5
	Copper	251a-c
	Bronze	1051
Pot, part of	Brass	1104
	Copper	1104, 1106
Pulley sheaves and pulley bearings	Wood	168-71, 173-7, 191, 836, 837
	Bronze	168-71, 173-7, 191, 836, 837
Rings	Brass	212, 216, 217
Saucer	Porcelain	1015, 1121
Scoop	Copper	189
Seals	Lead	241

Description	Material	Register Number (all prefixed by ZW)
Sinkers	Lead	190, 415, 1011, 1022-3
Sounding lead	Lead	415
Spoons	Pewter	1007-10
Spoons, part of	Pewter	231, 245a-b
Tap	Brass	206, 1067-8
Tap, parts of	Brass	1043
Teeth	Ivory and bone	235
Thimble	Brass	215, 230e, 1046
Tobacco box	Brass	1016, 1044, 1045
Tusk	Ivory and bone	276-9, 1048
Tweezer	Brass	210
Unidentified fragments	Stoneware	843
	Porcelain	150, 539
	Earthenware	853
	Wood	164-8, 172
	Iron	256, 260, 264, 269-71, 282
	Brass	236, 237, 1040, 1041
	Copper	188, 208, 238-40, 243-4, 247, 268, 839
	Lead	242, 275

# ILLUSTRATED CATALOGUE

## BEADS



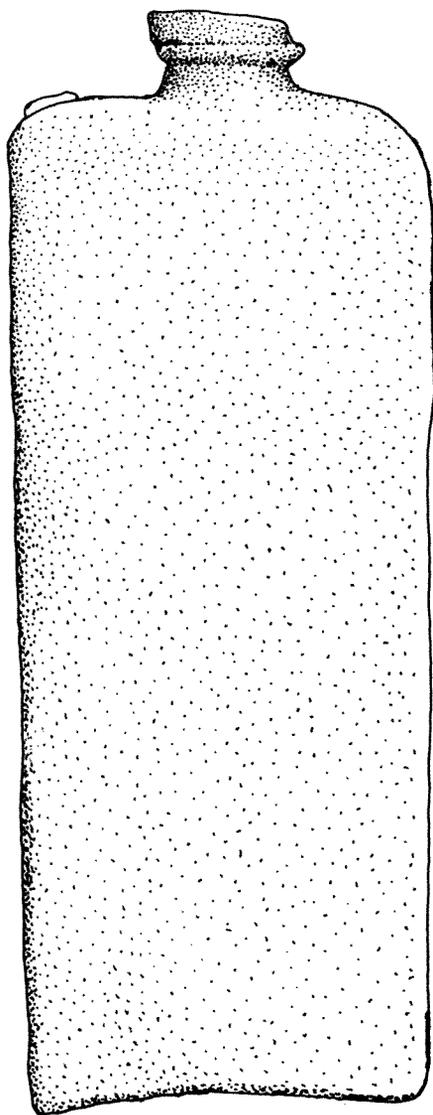
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BOTTLES

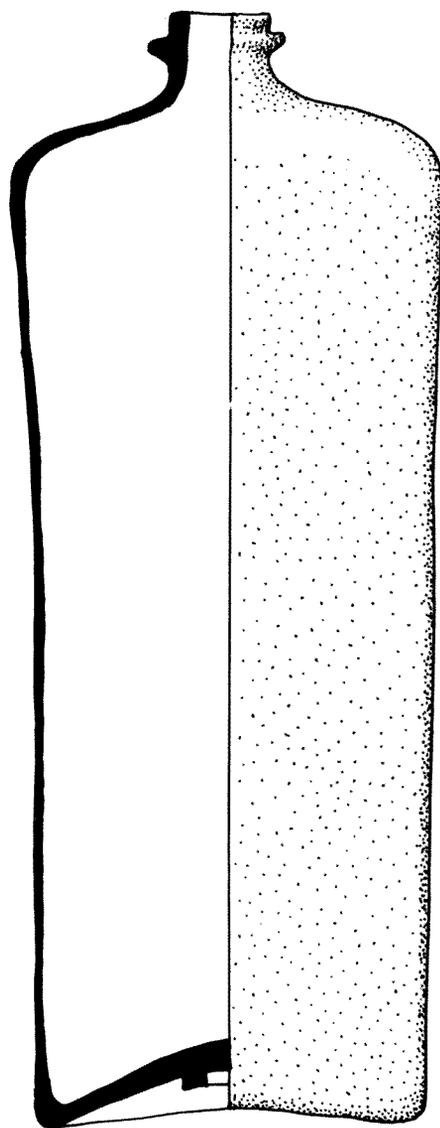


J. Carpenter

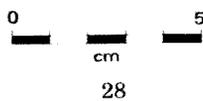
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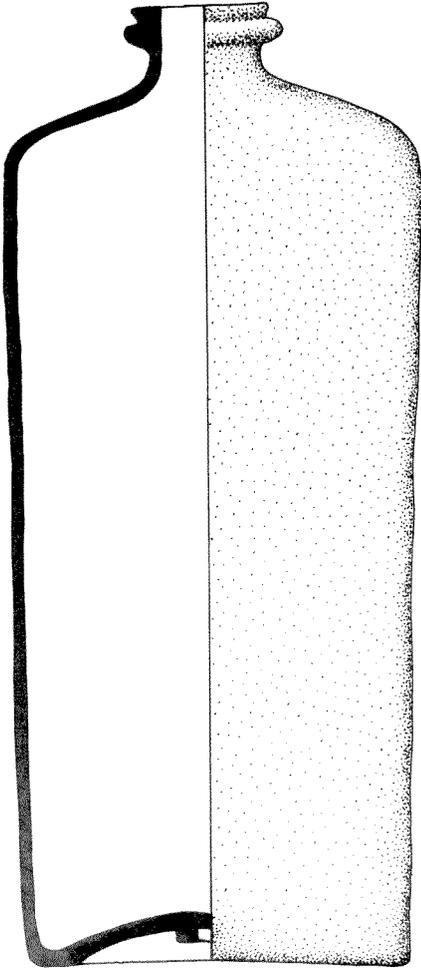
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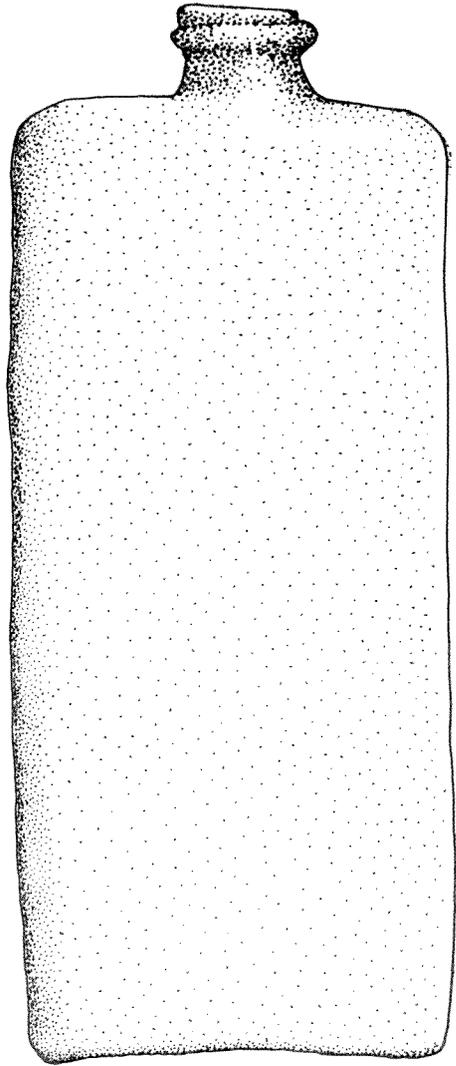
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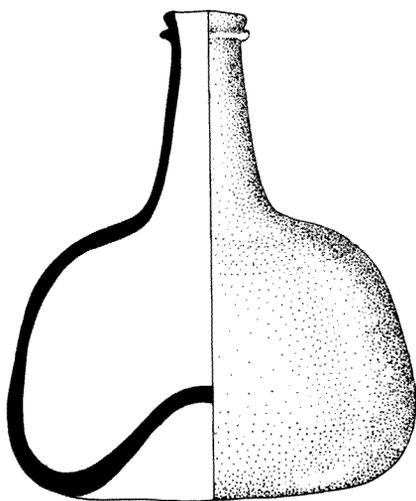
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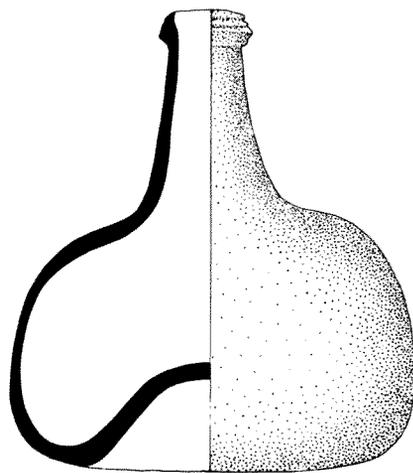
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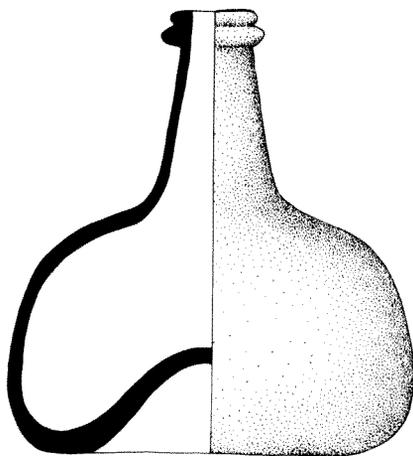
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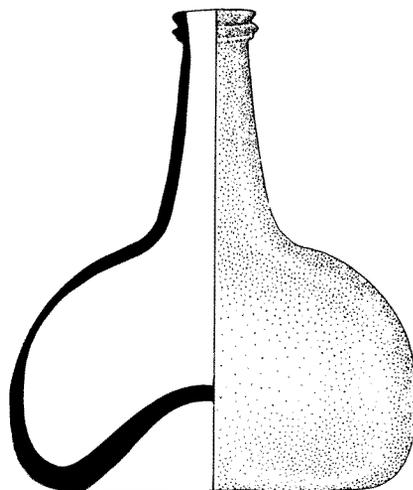
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ZW 103



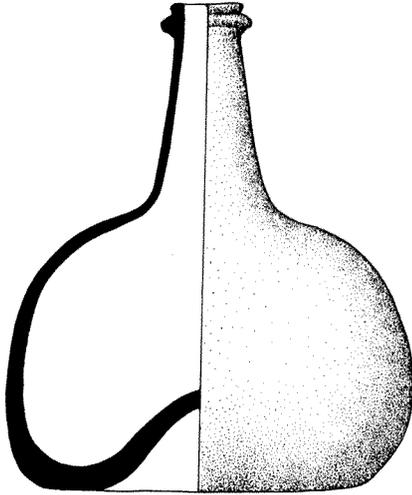
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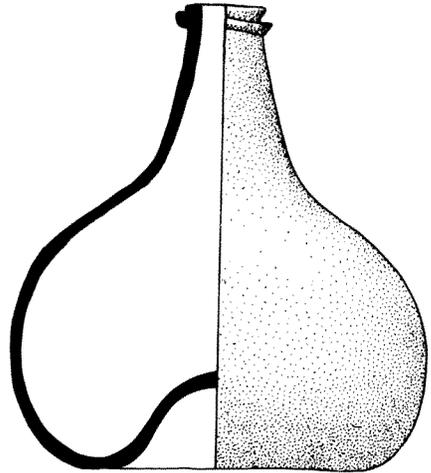
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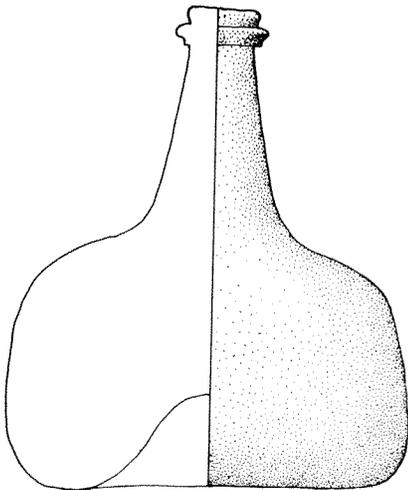
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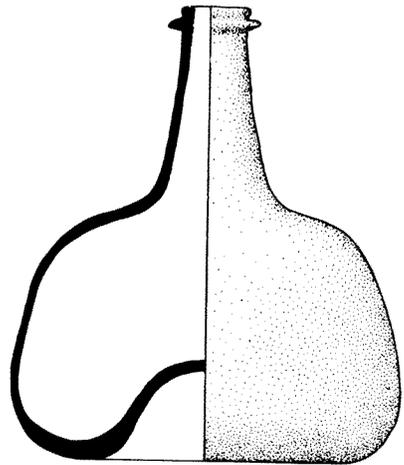
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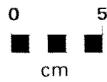
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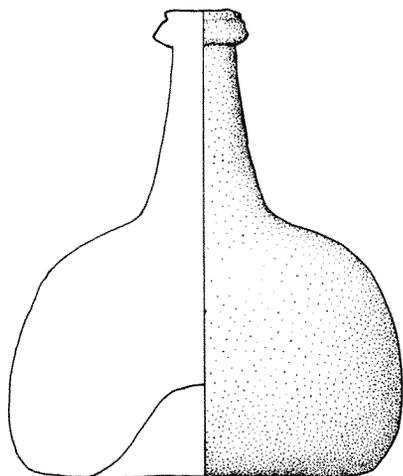
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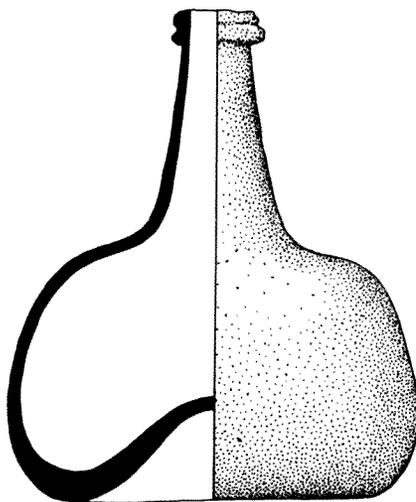
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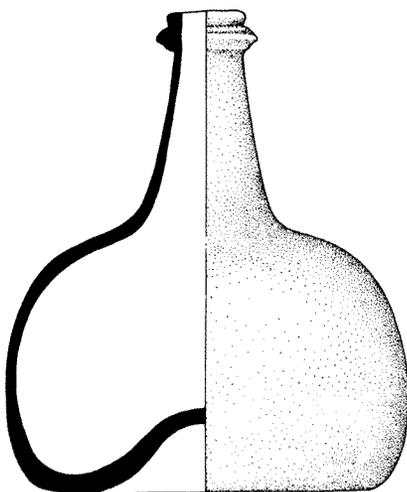


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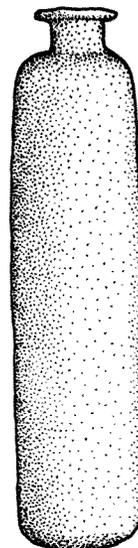


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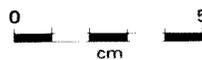
PHARMACEUTICAL  
BOTTLE



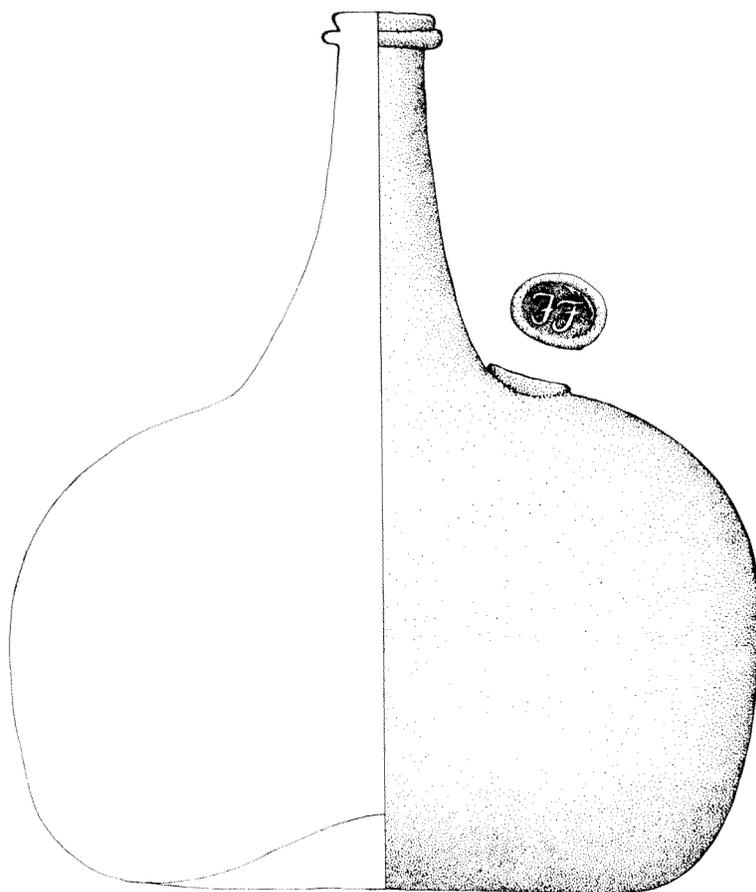
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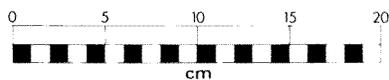
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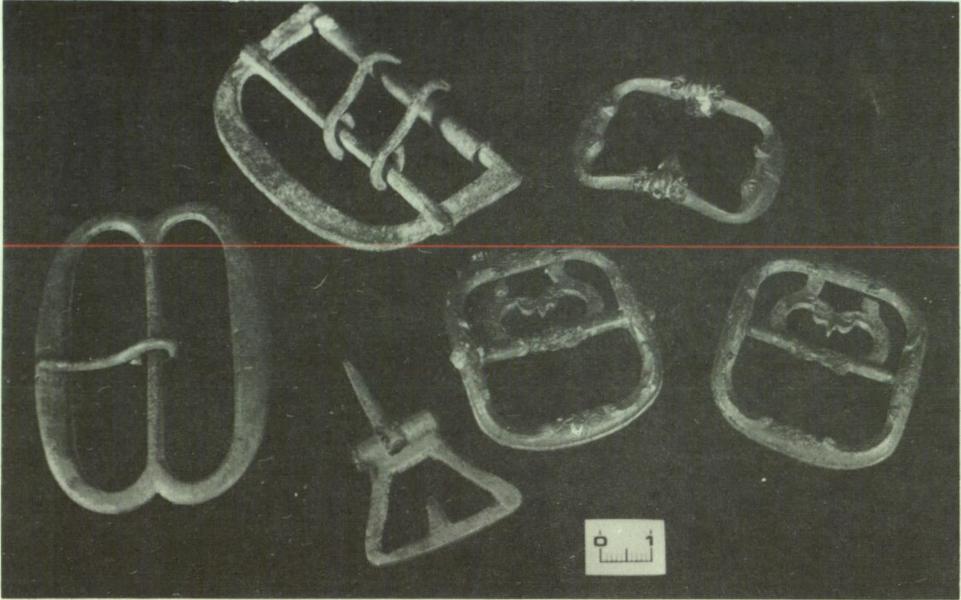
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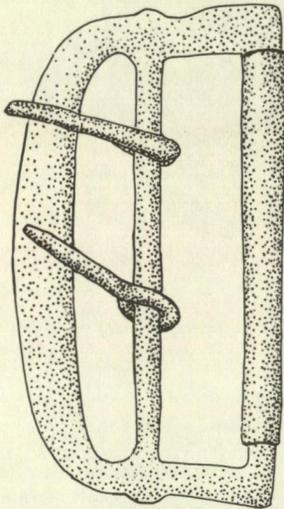
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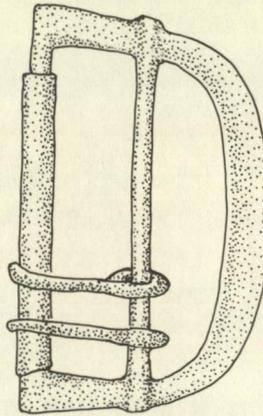
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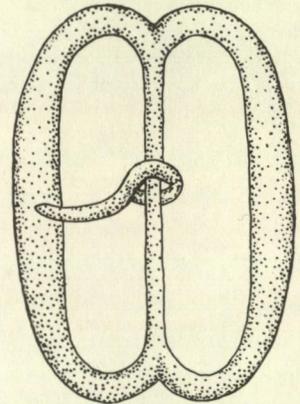
J. Carpenter



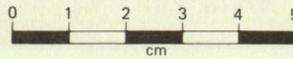
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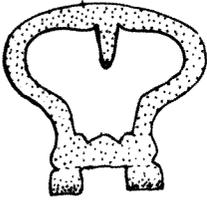
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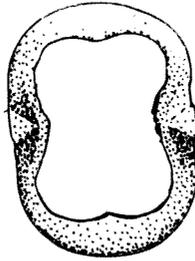
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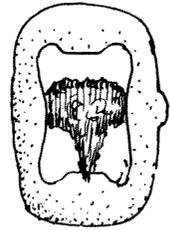
BUCKLES



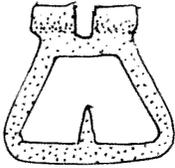
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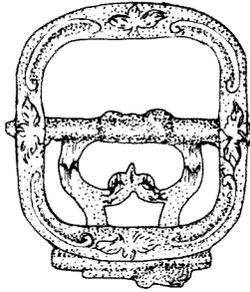
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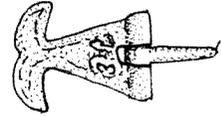
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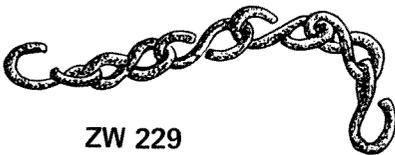
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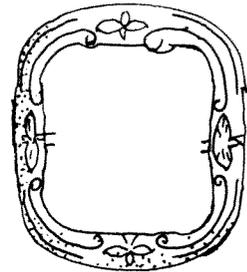
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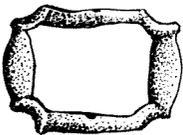
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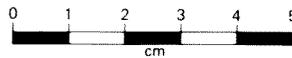
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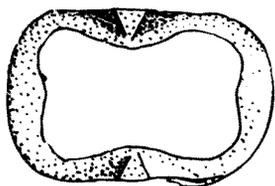
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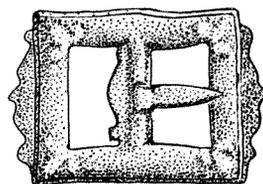
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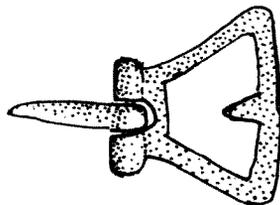
BUCKLES



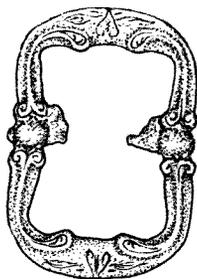
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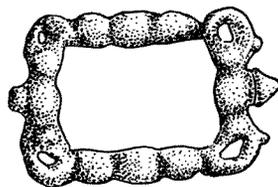
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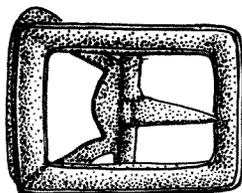
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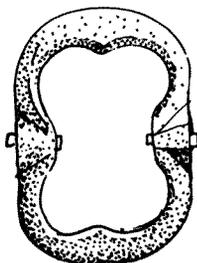
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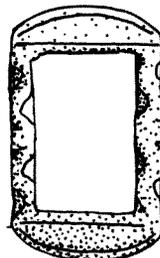
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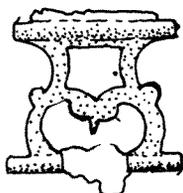
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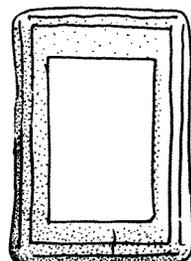
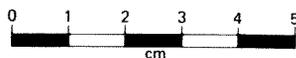
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ZW 1030

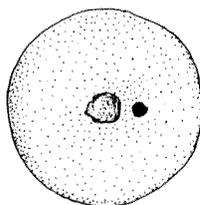
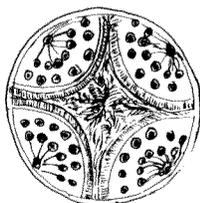


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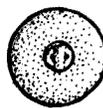
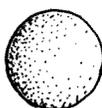
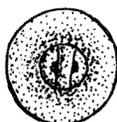
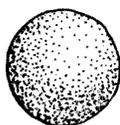


ZW 1032

BUTTONS



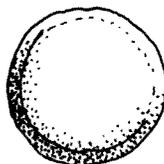
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ZW 204



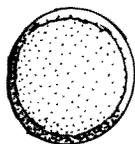
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ZW 205-2



ZW 205-3

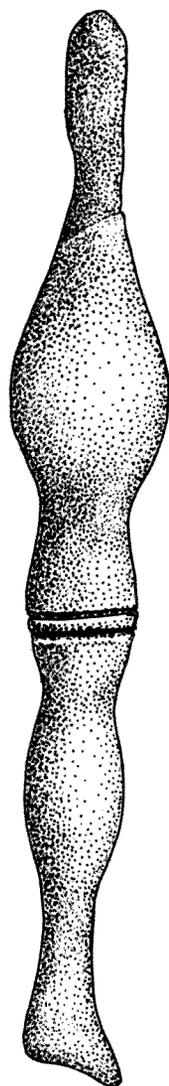


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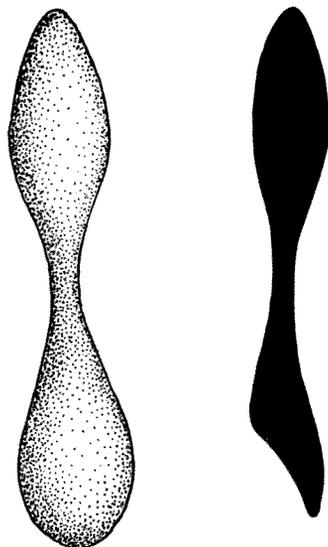


ZW 205-5

CANDLESTICKS



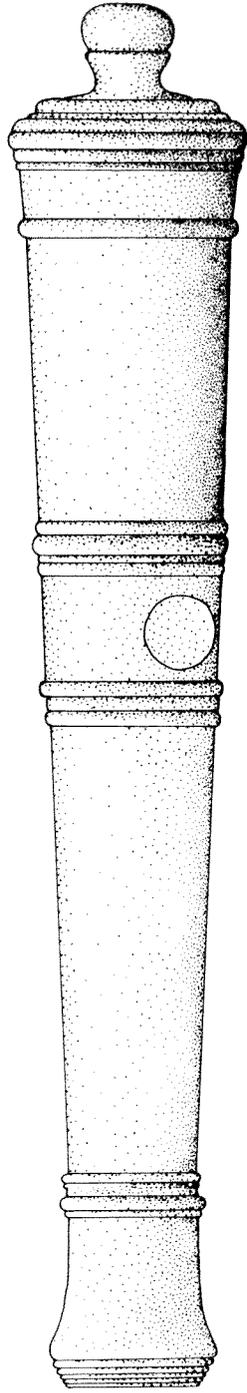
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ZW 194



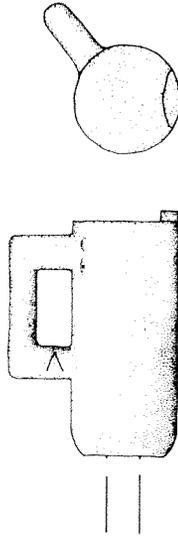
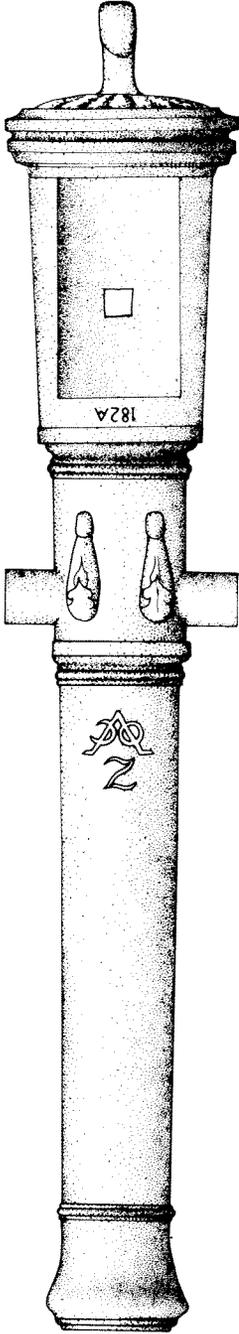
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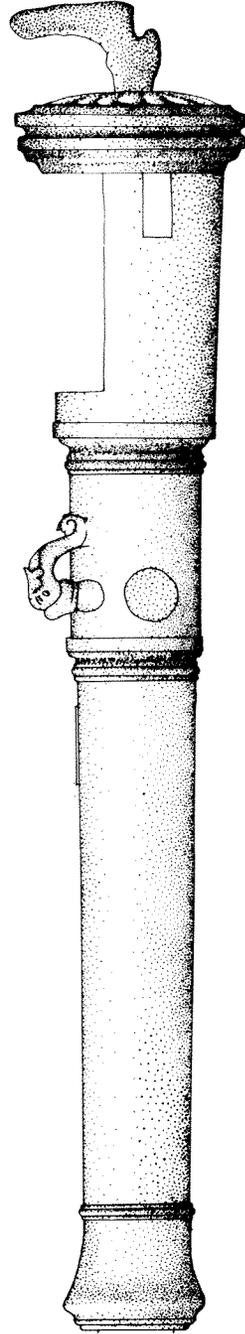
ZEEWIJK IRON CANNON 12pounder Amsterdam

Scale 1:15

CANNON



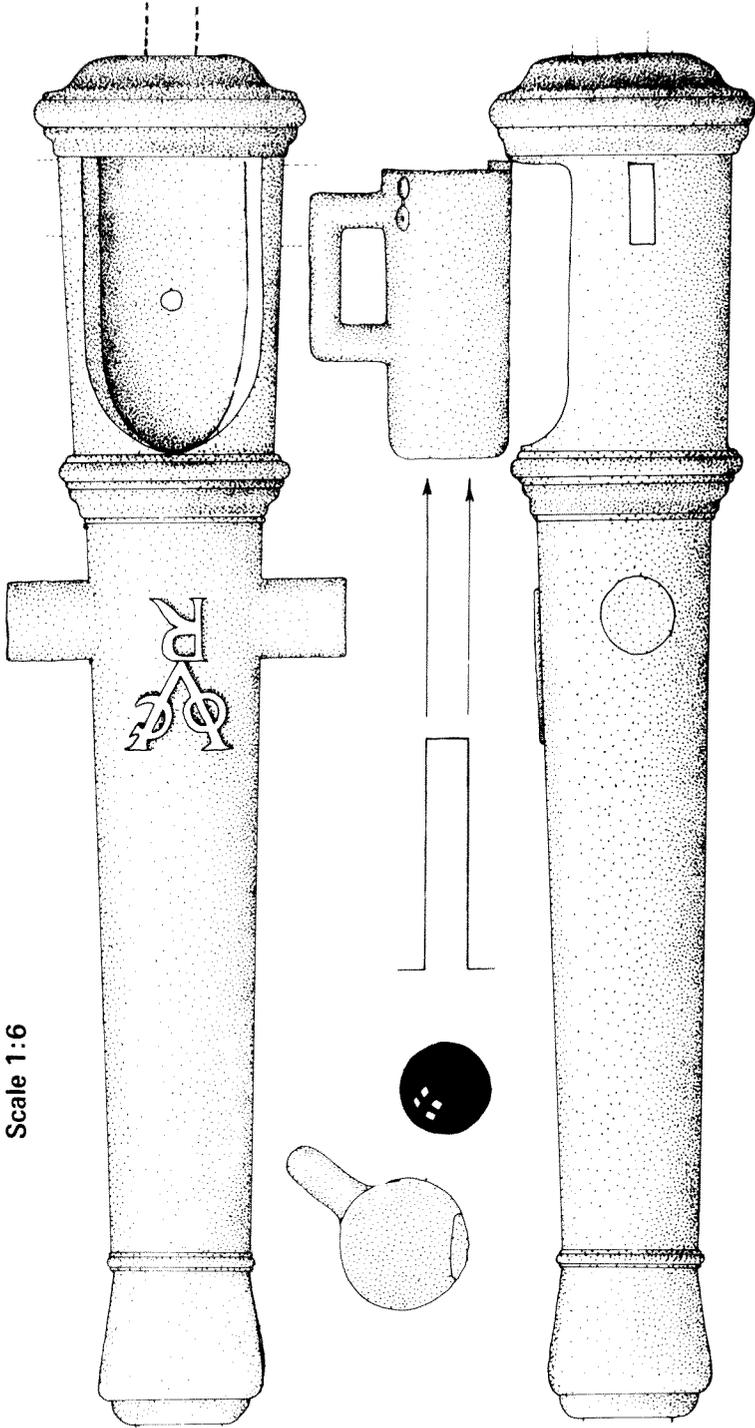
Scale 1:6



STOKES SWIVEL GUN ZW 1111

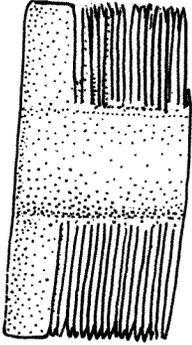
CANNON

Scale 1:6



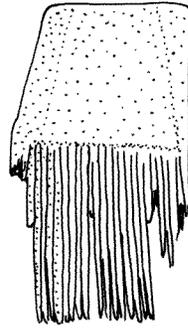
BOSCHETTI SWIVEL GUN ZW1049 BLOCK ZW1050

COMBS



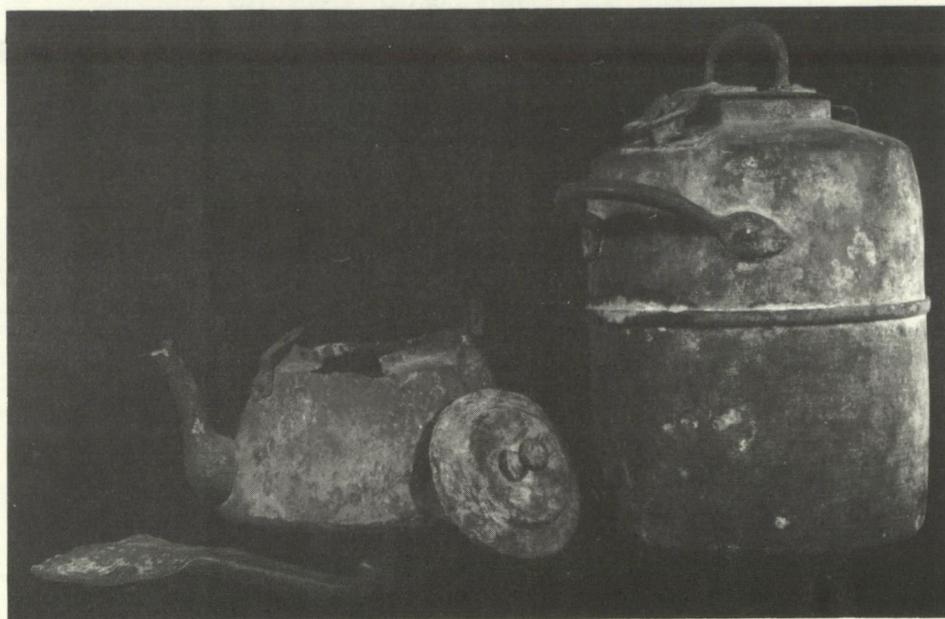
ZW 426

1 cm

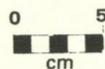
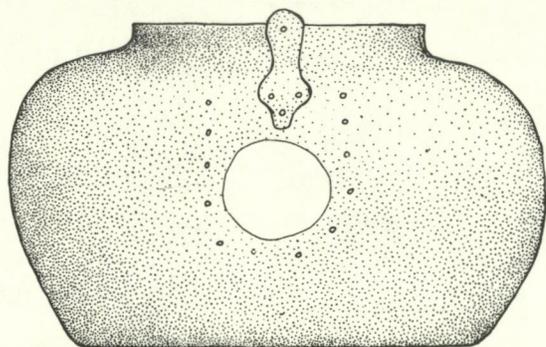


ZW 426

COOKING UTENSILS & CONTAINERS

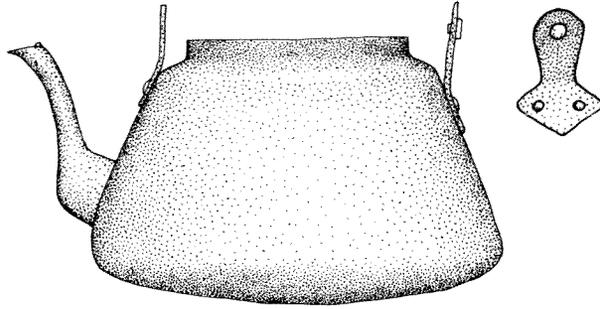


J. Carpenter

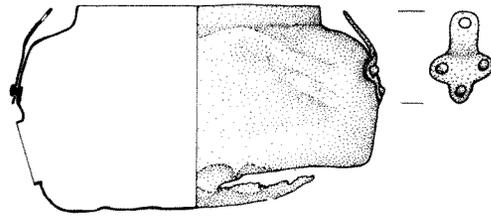


ZW 1061

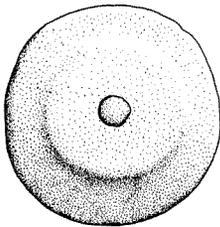
**COOKING UTENSILS & CONTAINERS**



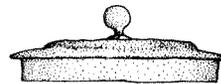
**ZW 1109**



**ZW 187**

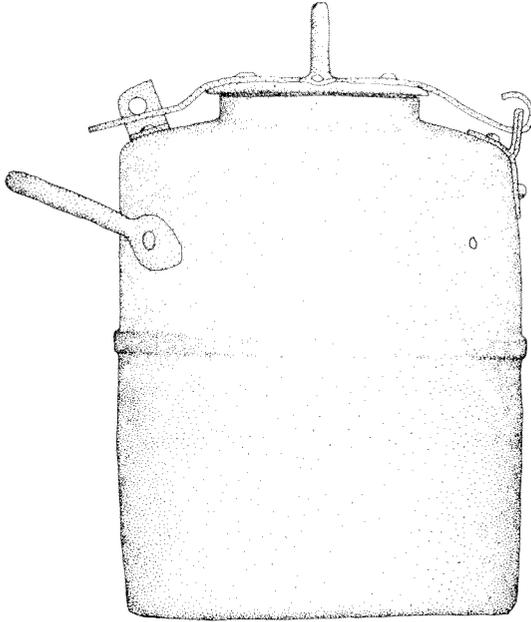


**ZW 1108**

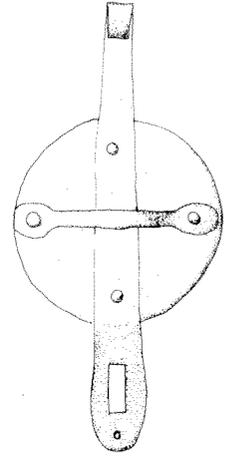


**ZW 1064**

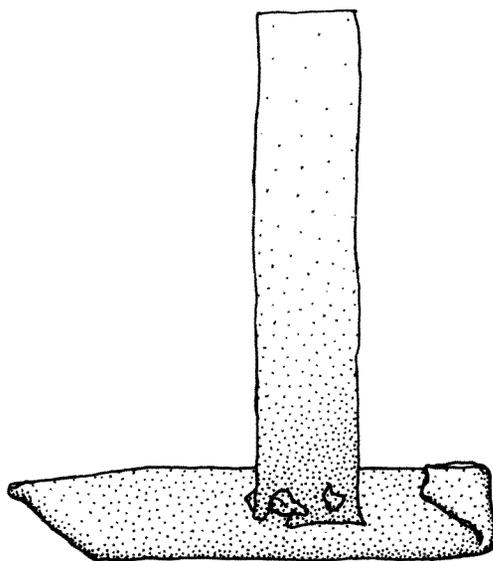
COOKING UTENSILS & CONTAINERS



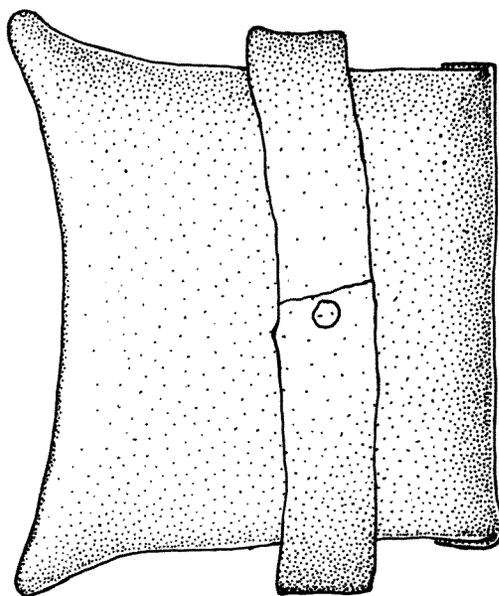
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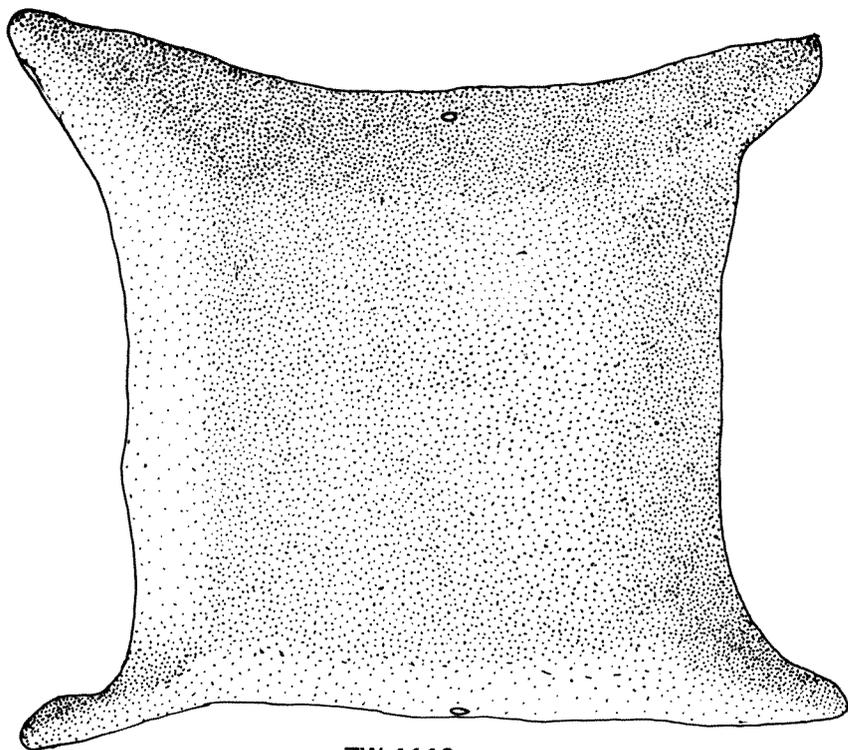
COOKING UTENSILS & CONTAINERS



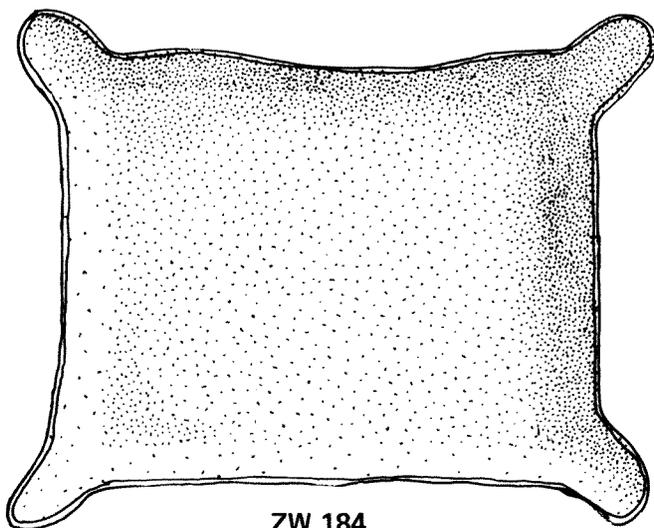
ZW 185



COOKING UTENSILS & CONTAINERS



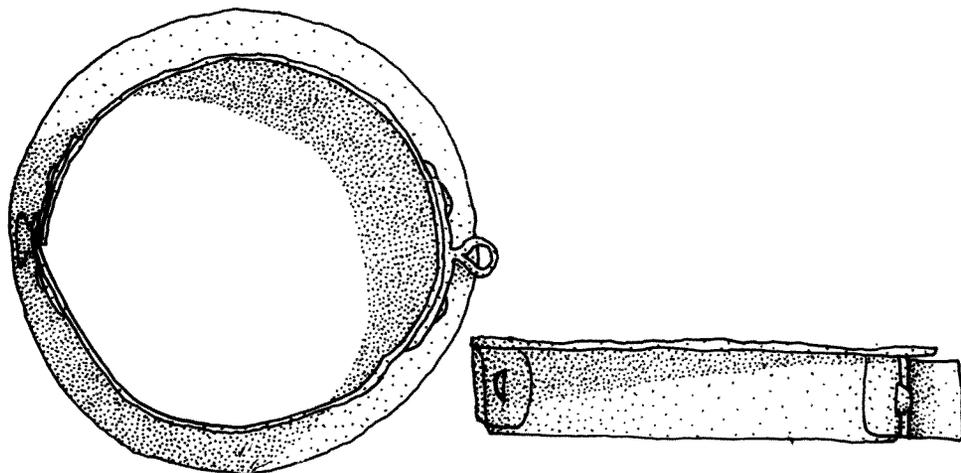
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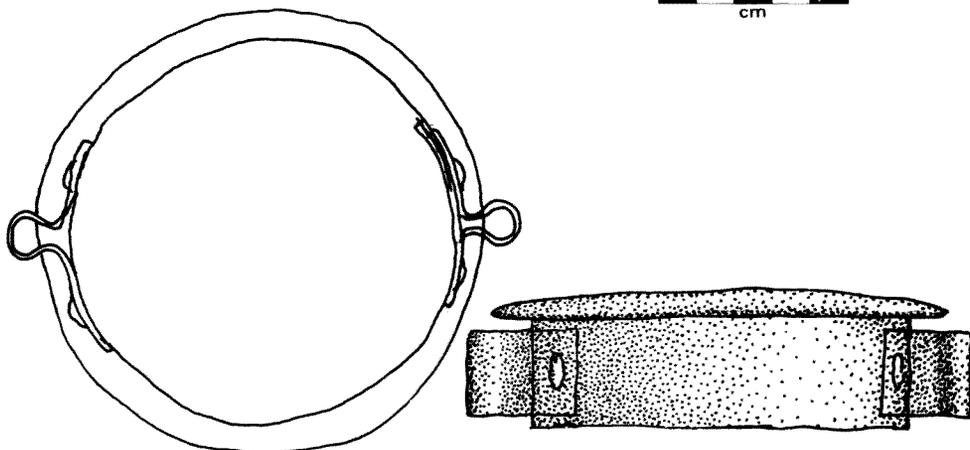
ZW 184



COOKING UTENSILS & CONTAINERS

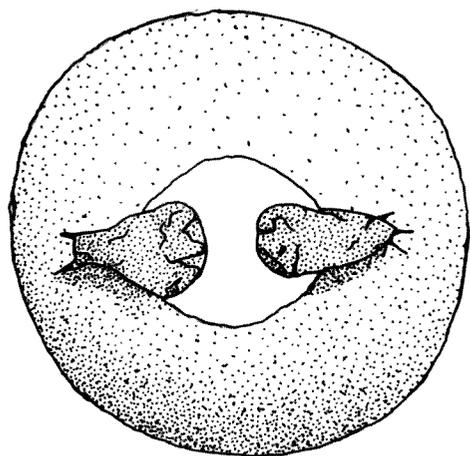


ZW 182

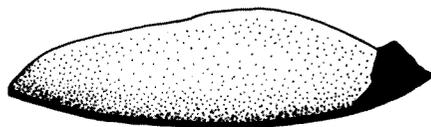


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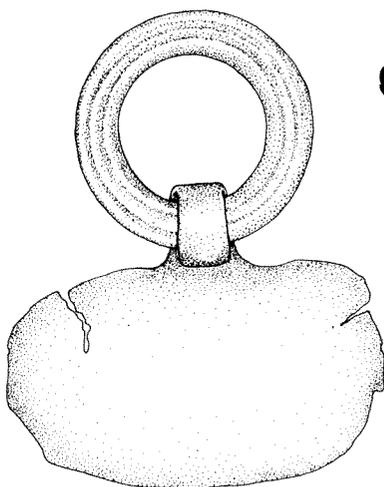
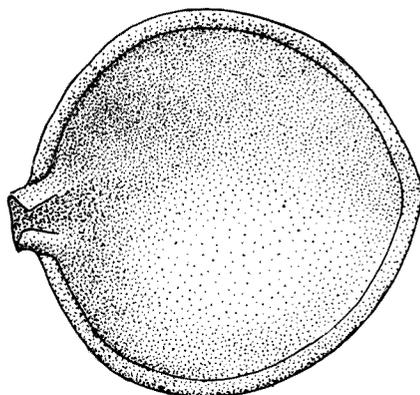
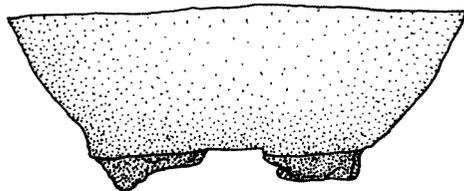
COOKING UTENSILS & CONTAINERS



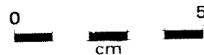
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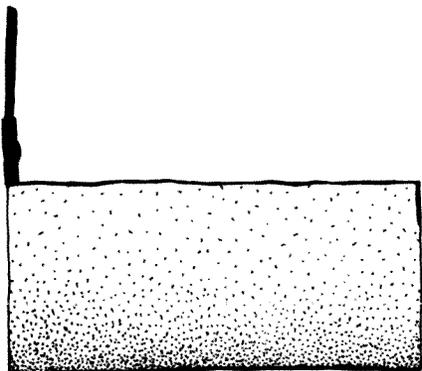
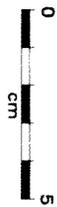
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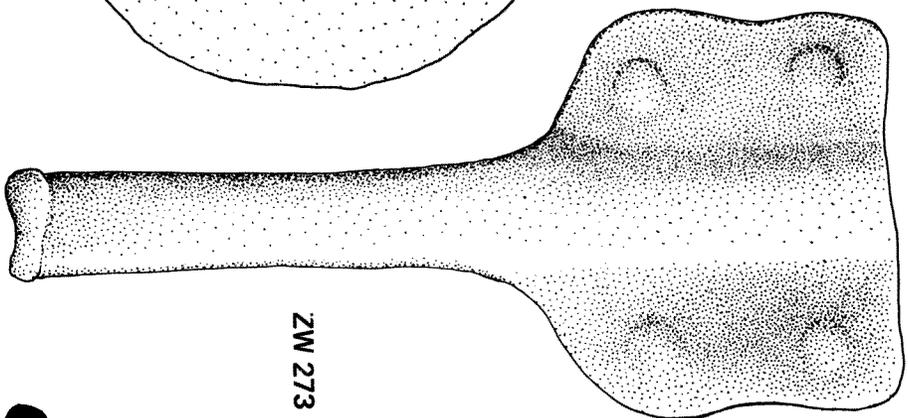
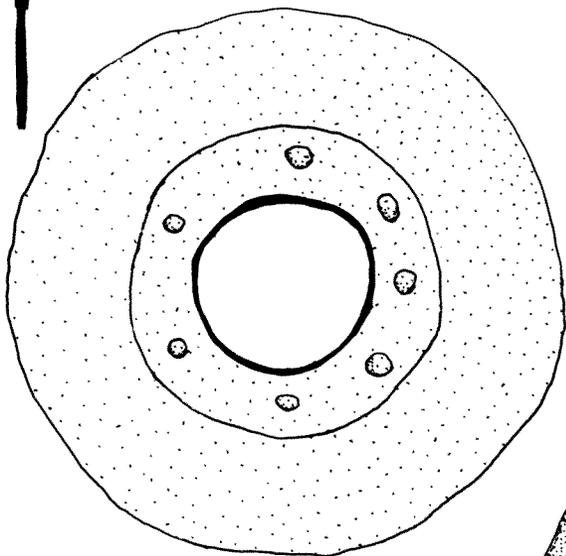
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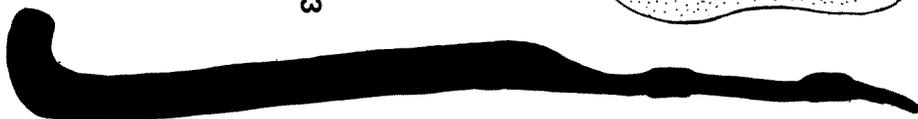
COOKING UTENSILS & CONTAINERS



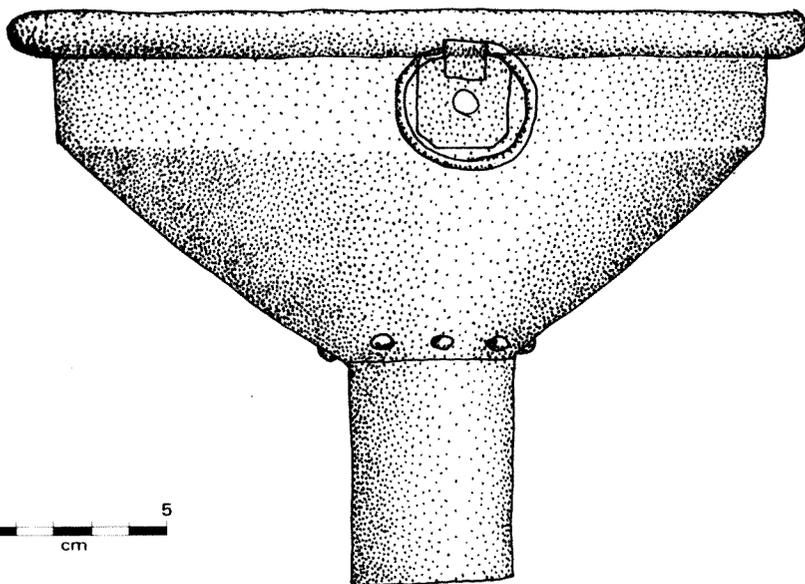
ZW 186



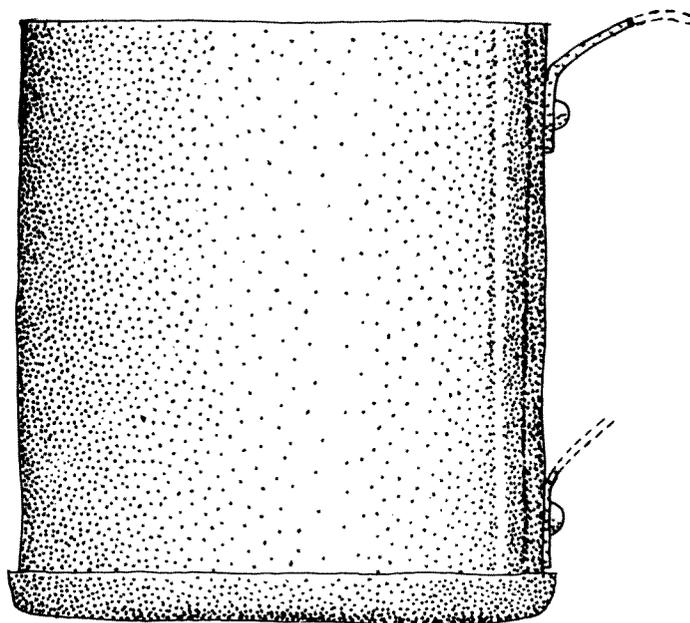
ZW 273



COOKING UTENSILS & CONTAINERS

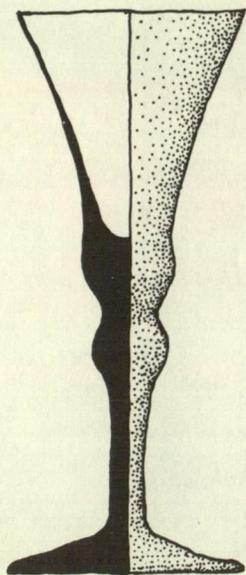
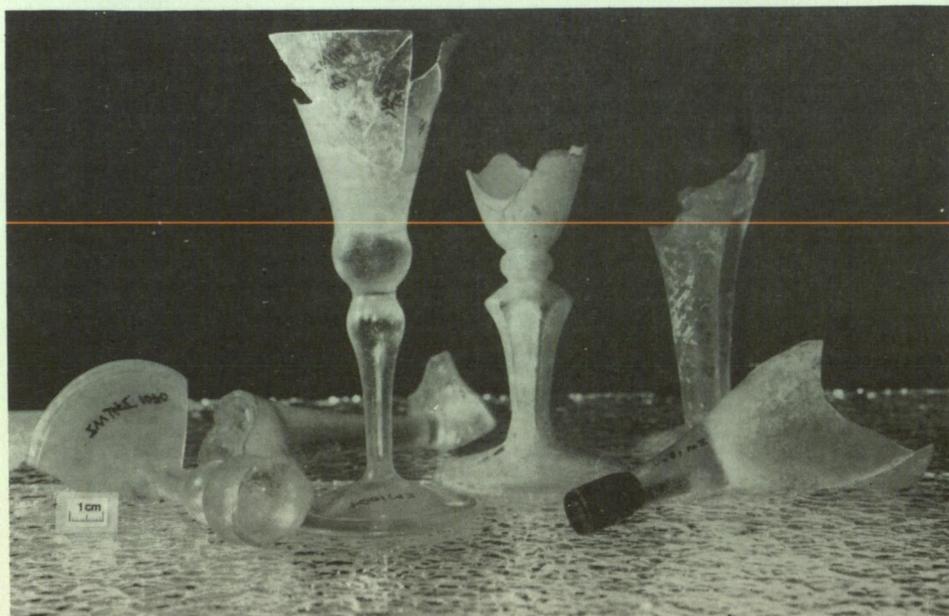


ZW 1060

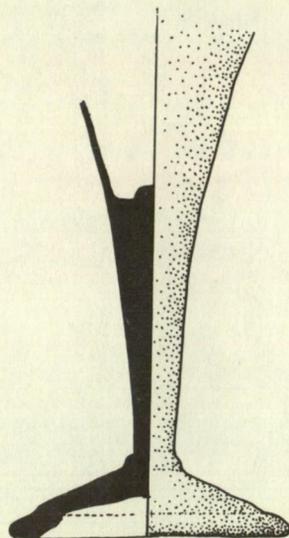
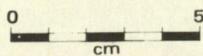


ZW 1112

DRINKING GLASSES

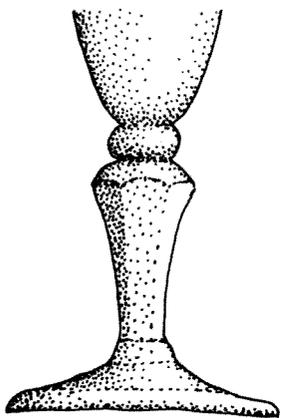


ZW 1004

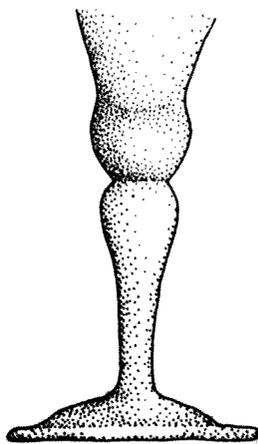


ZW 413

DRINKING GLASSES



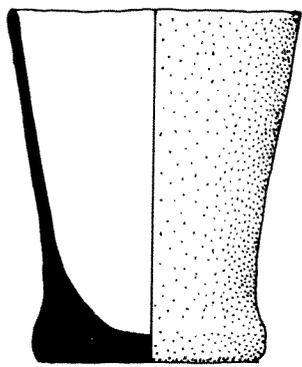
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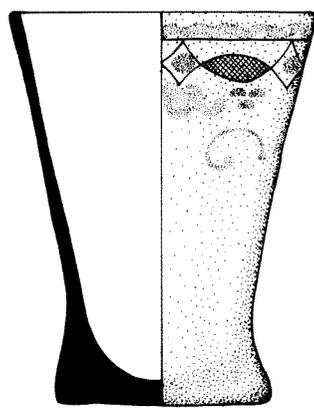
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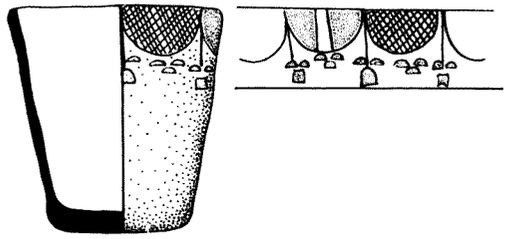
ZW 1100



ZW 1073



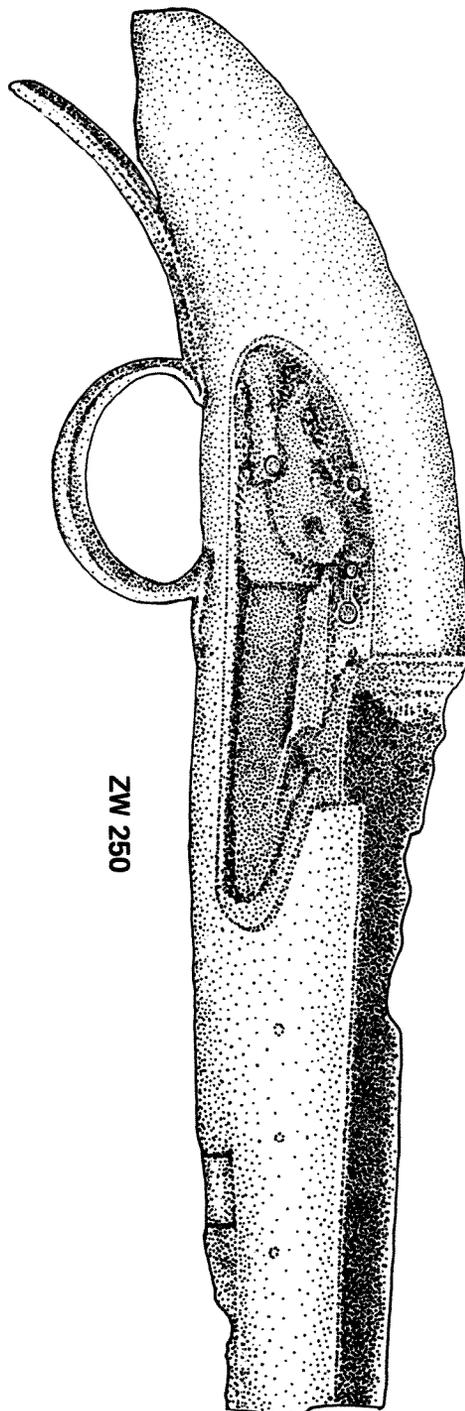
ZW 1003



ZW 1103



FIREARMS



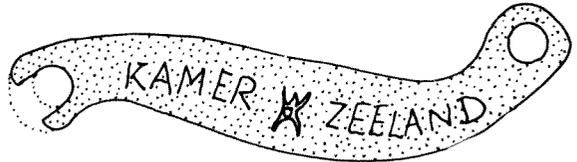
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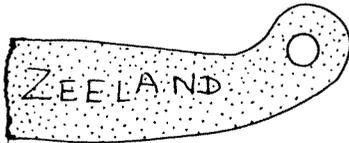
FIREARMS



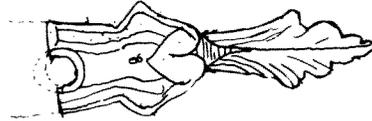
ZW 251



ZW 251



ZW 251



ZW 230D



ZW 1034



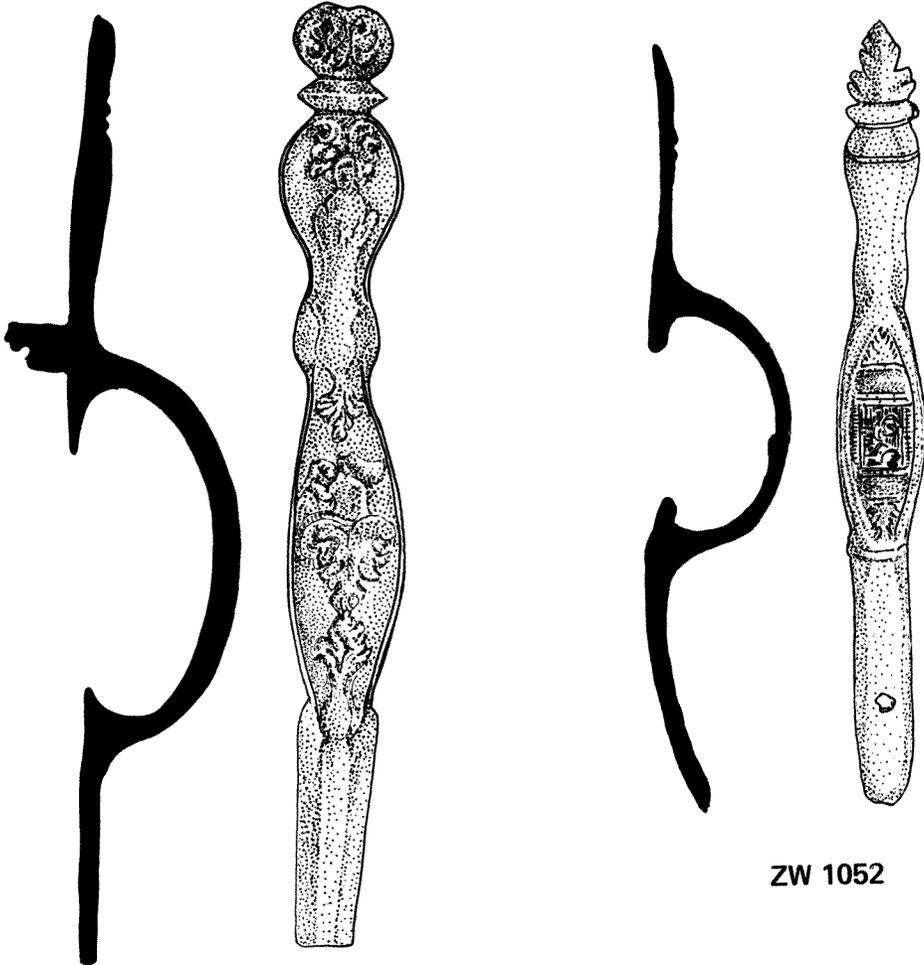
ZW 1033



FIREARMS



ZW 1053

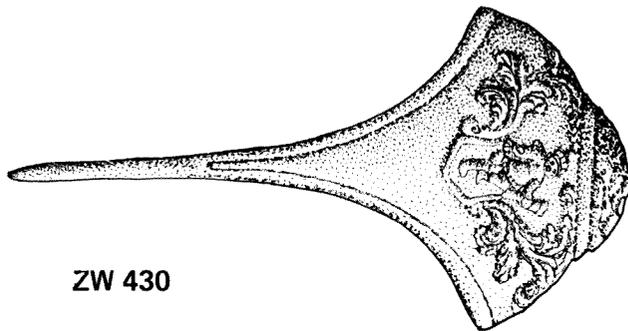


ZW 1051

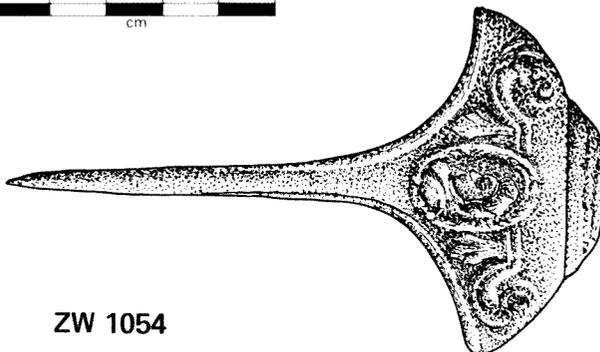
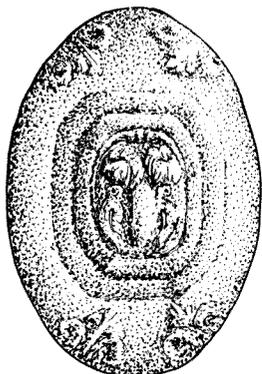
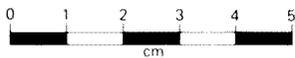
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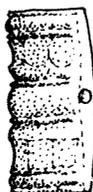
FIREARMS



ZW 430

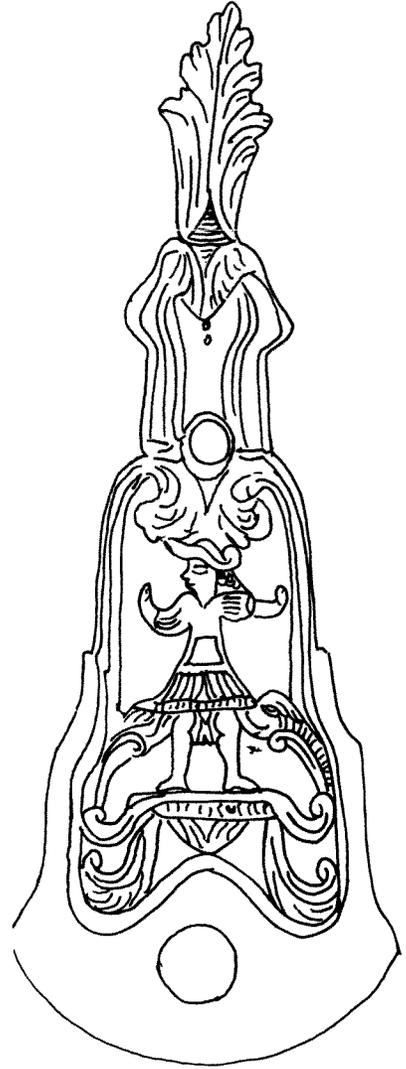
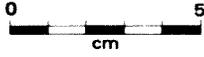
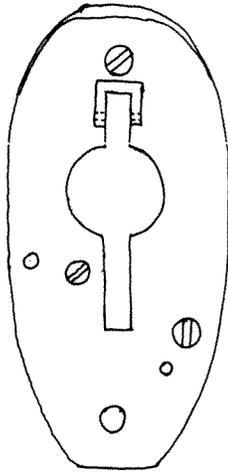


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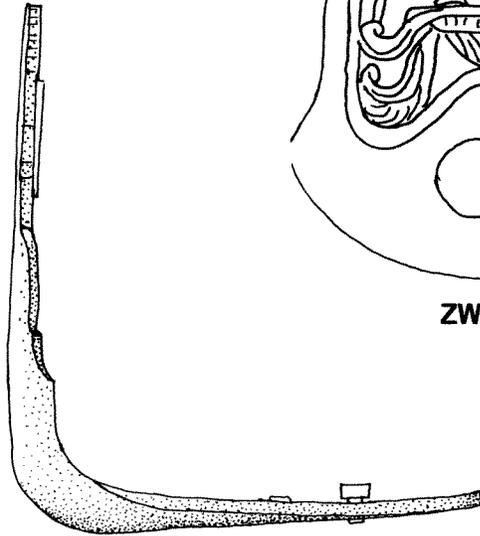
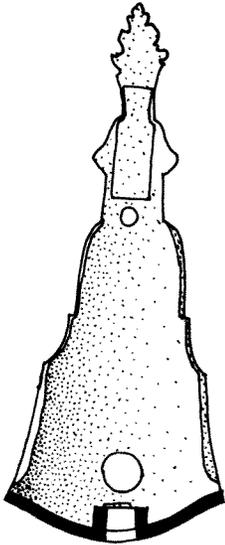


ZW 214

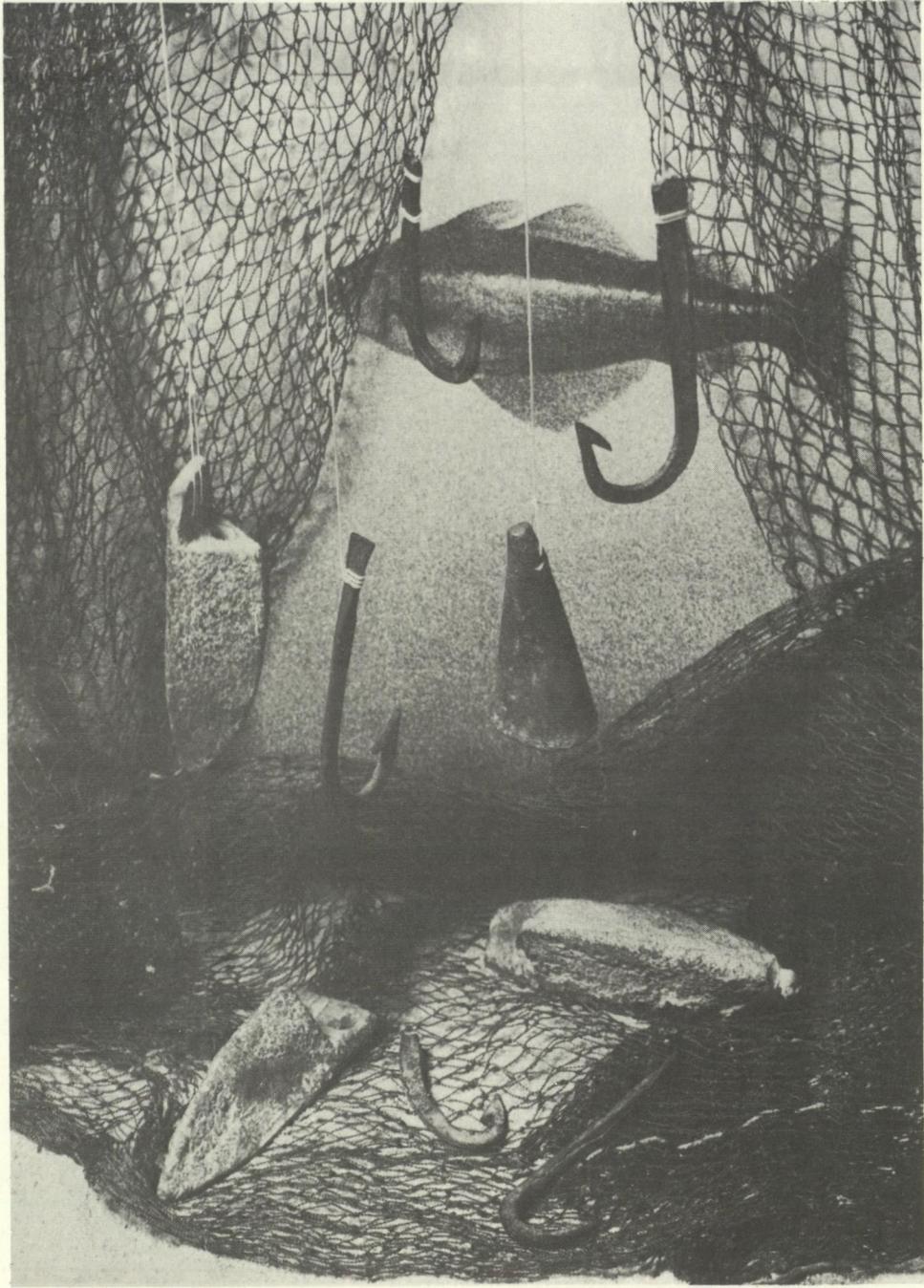
FIREARMS



ZW 1055

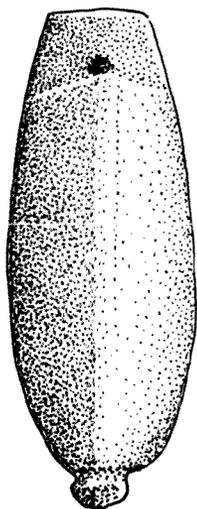


## FISHING EQUIPMENT

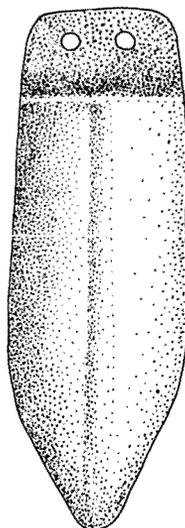
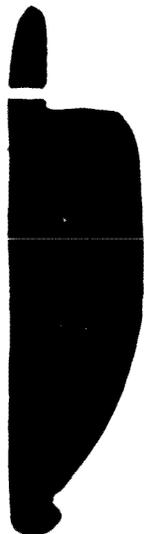


P. E. Baker

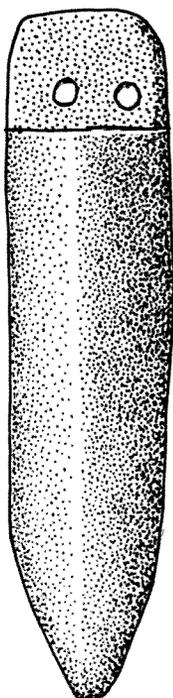
FISHING EQUIPMENT



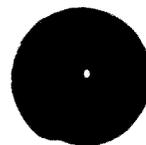
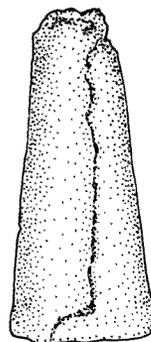
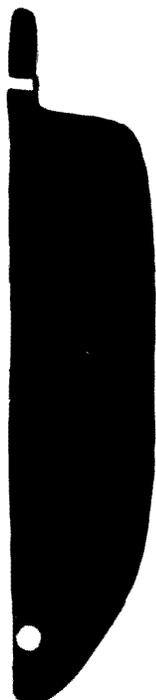
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ZW 415

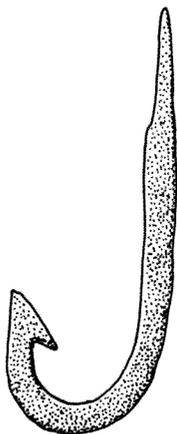


ZW 190

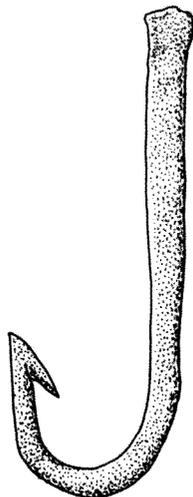


ZW 190

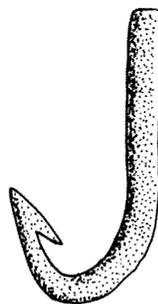
FISHING EQUIPMENT



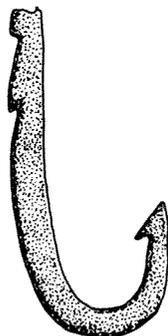
ZW 1024



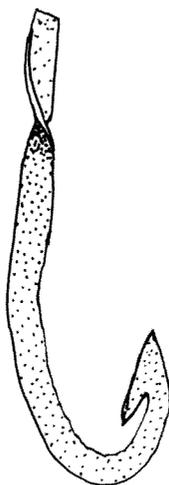
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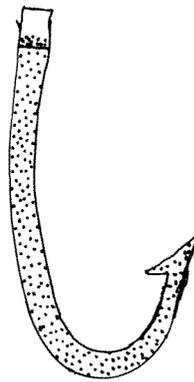
ZW 1036



ZW 1028

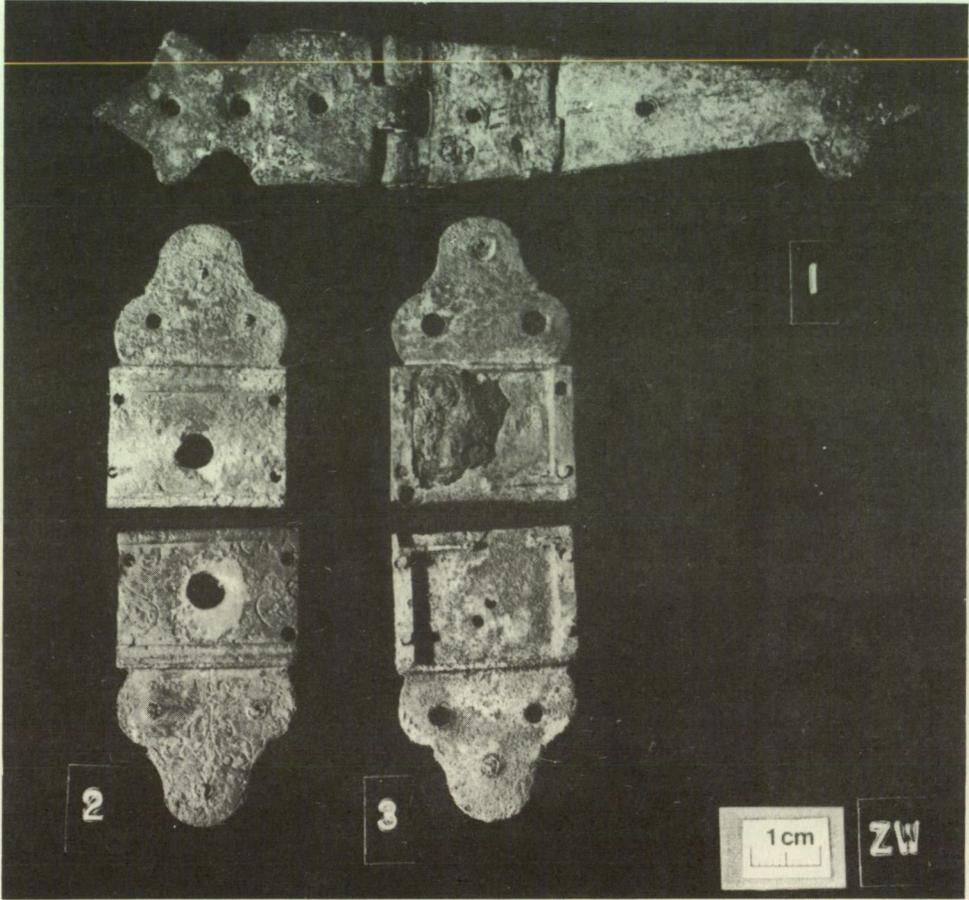


ZW 1035

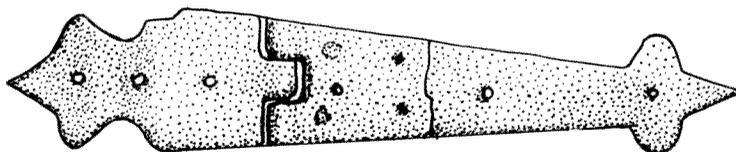


ZW 201

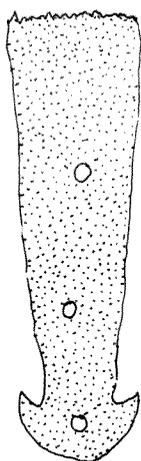
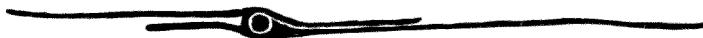
FITTINGS AND HINGES



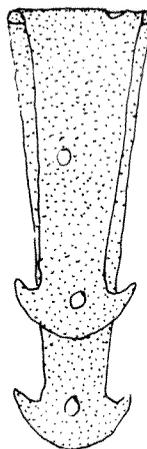
FITTINGS AND HINGES



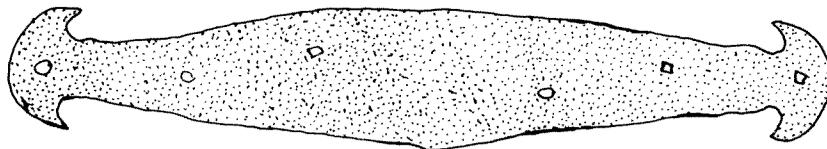
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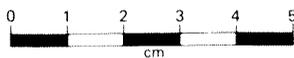
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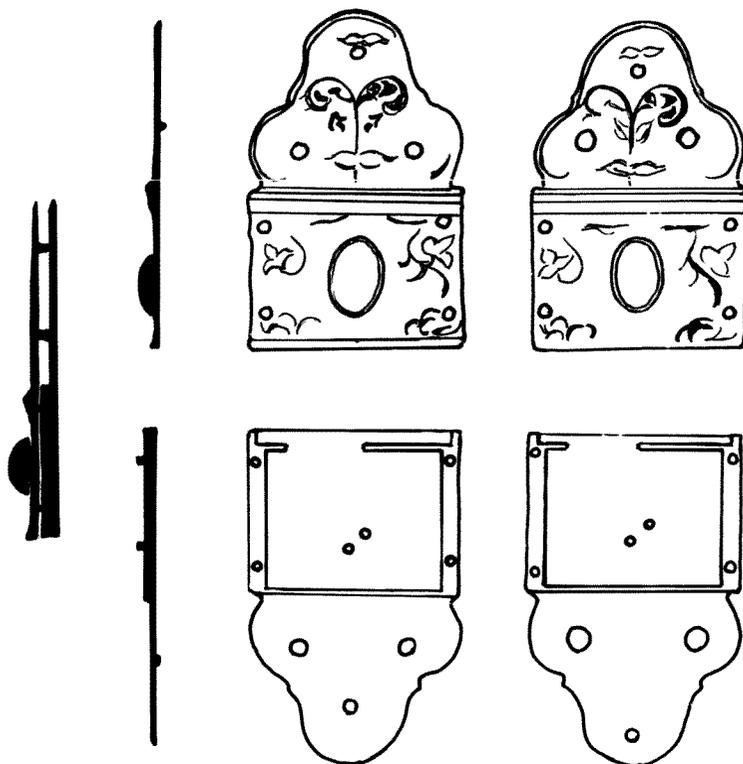
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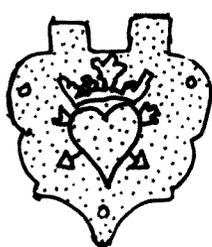
ZW 209



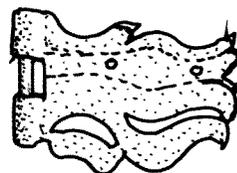
# FITTINGS AND HINGES



ZW 209



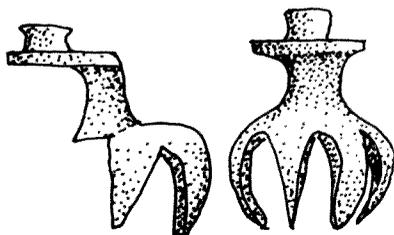
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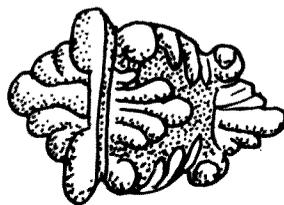
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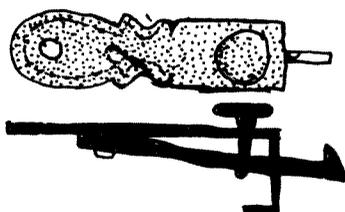
MISCELLANEOUS FITTINGS



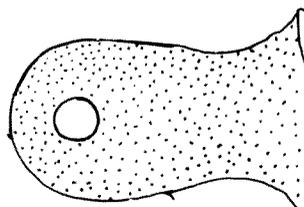
ZW 230B



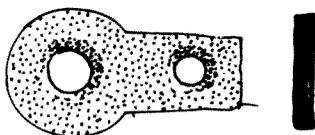
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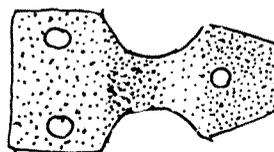
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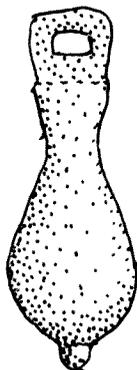
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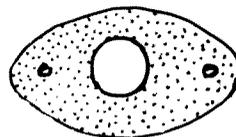
ZW 233B



ZW 233C

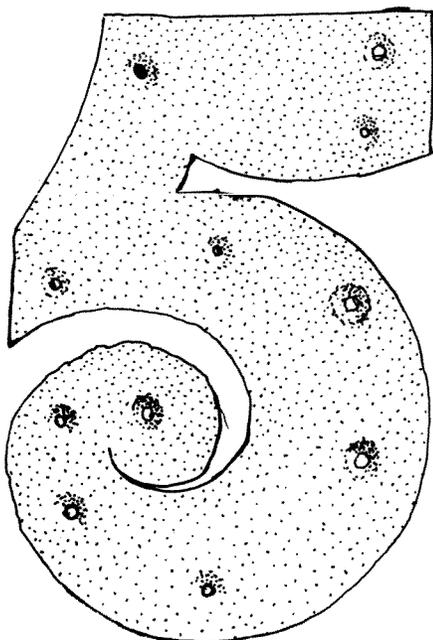


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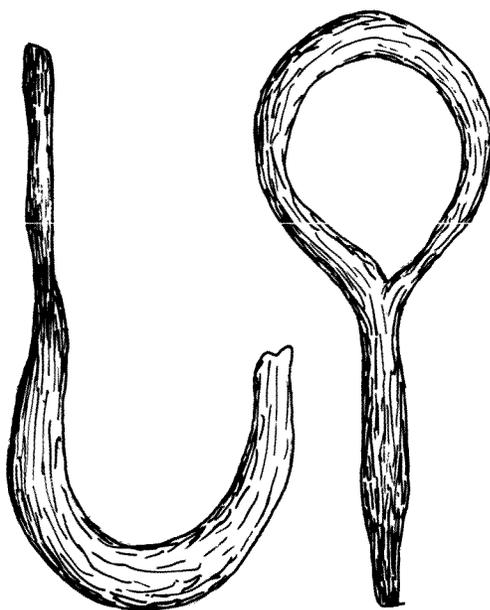


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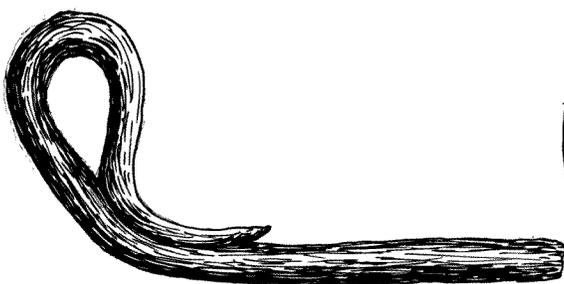
MISCELLANEOUS FITTINGS



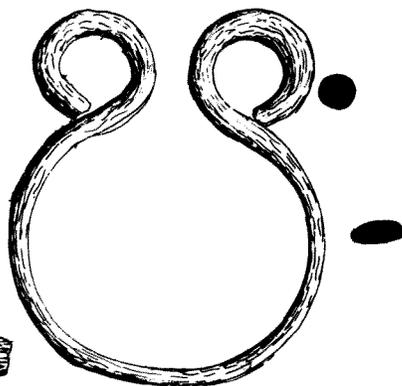
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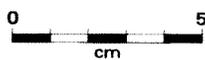
ZW 262A-B



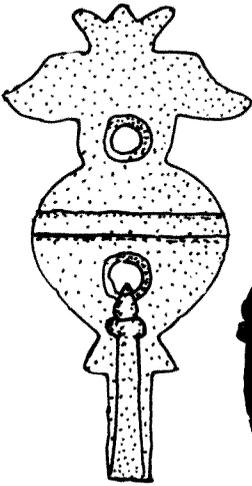
ZW 261



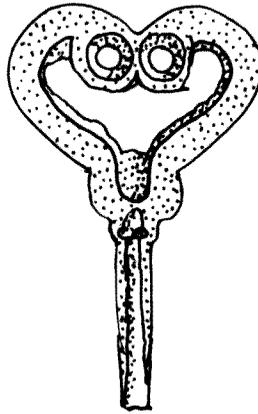
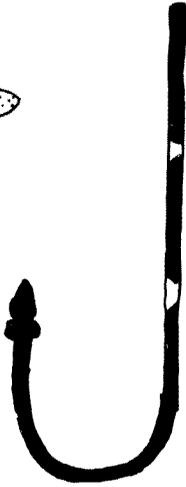
ZW 1042



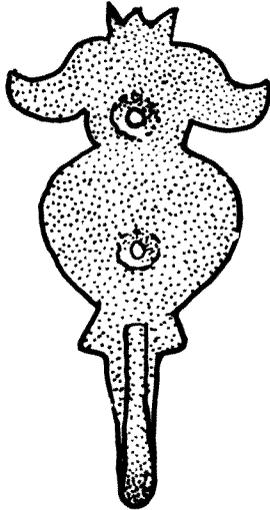
HOOKS



ZW 200A



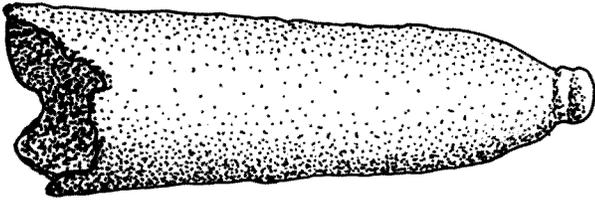
ZW 200B



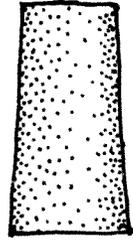
ZW 1066



FERRULES

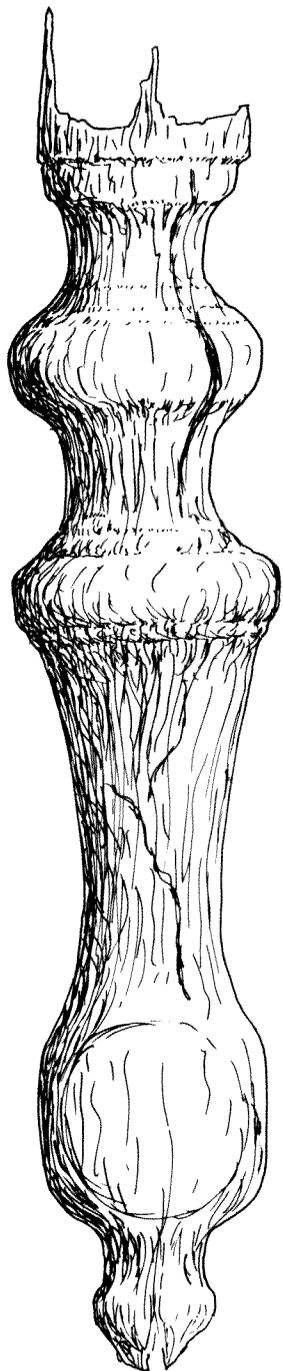


ZW 177

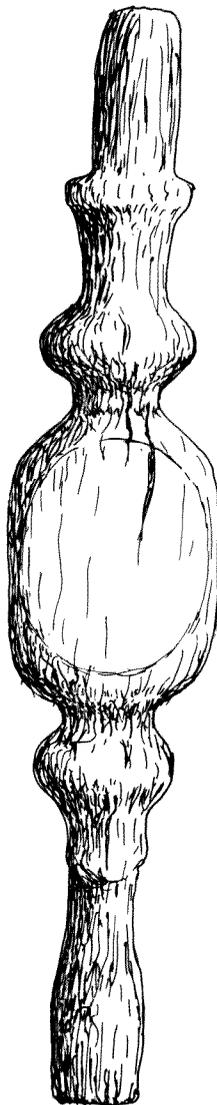
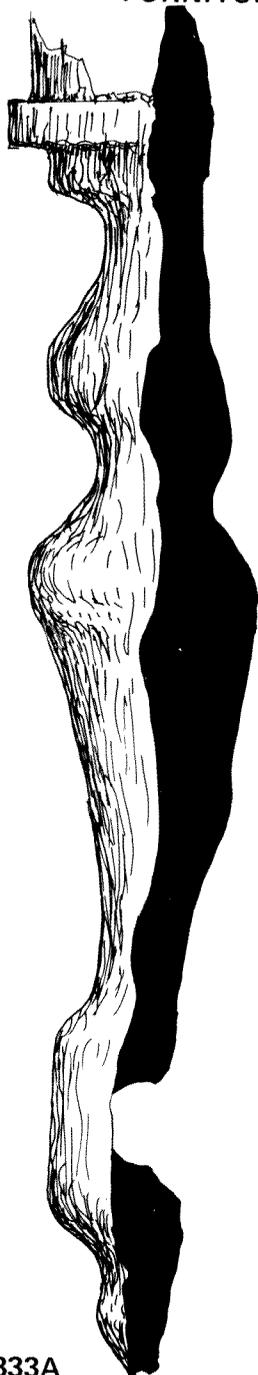


ZW 218

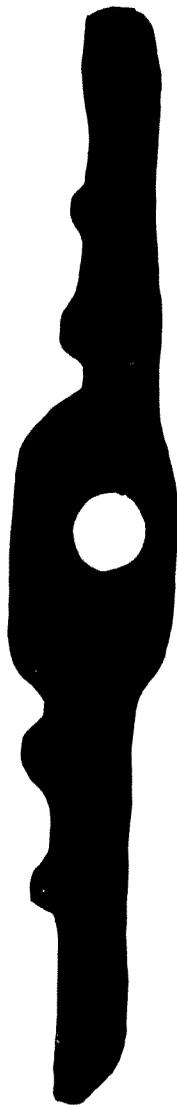
FURNITURE



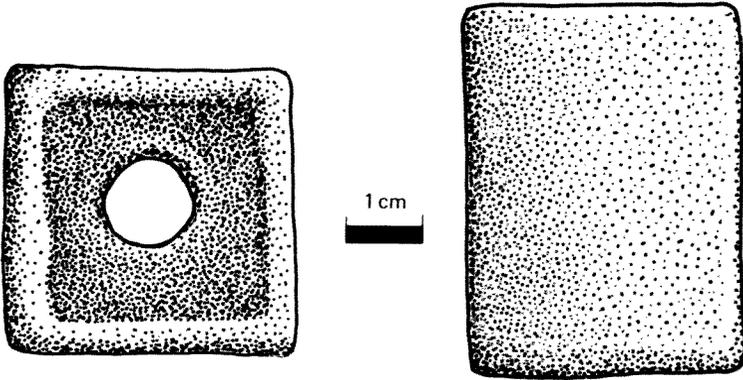
ZW 333A



ZW 333B



**INKSTAND**

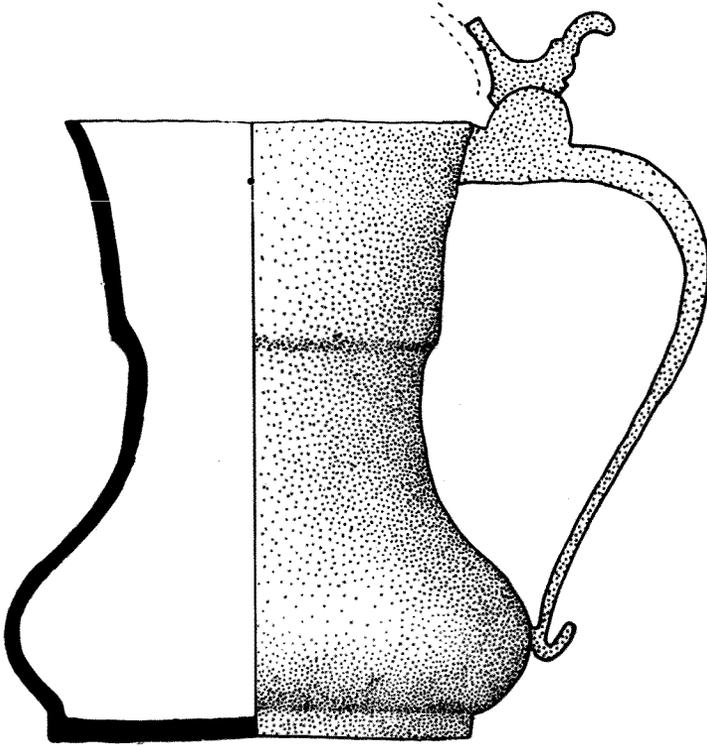


**ZW 414**

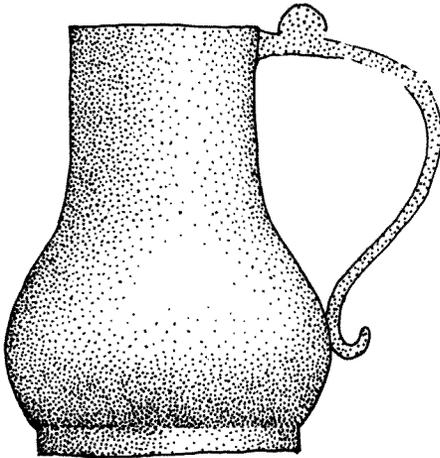
JARS & JUGS



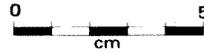
JARS & JUGS



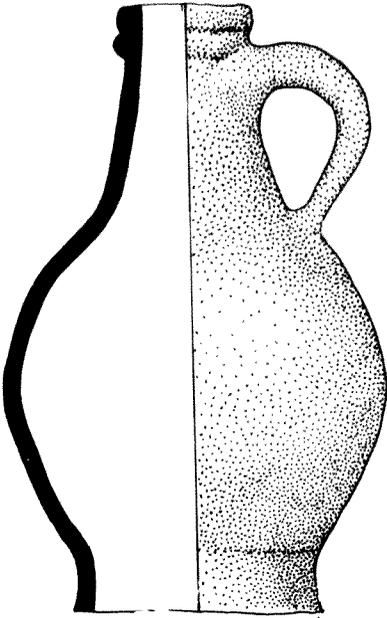
ZW 423



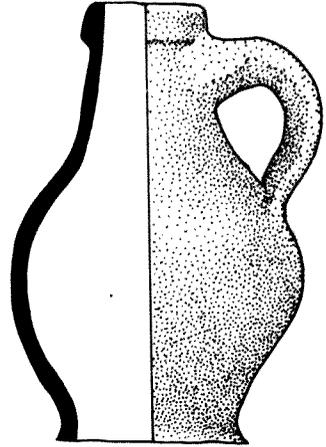
ZW 1002



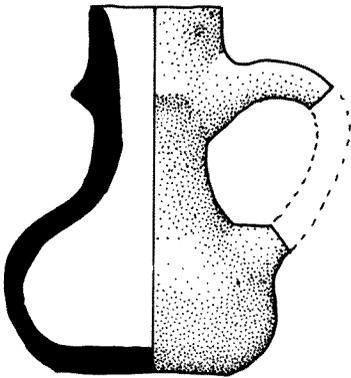
JARS & JUGS



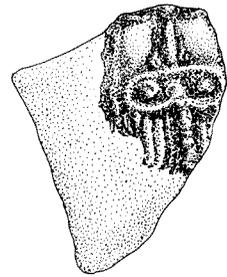
ZW 141



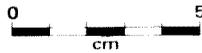
ZW 1056



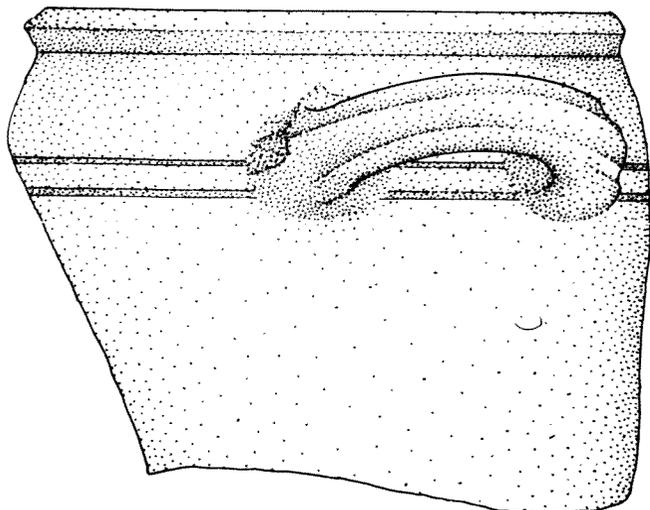
ZW 139



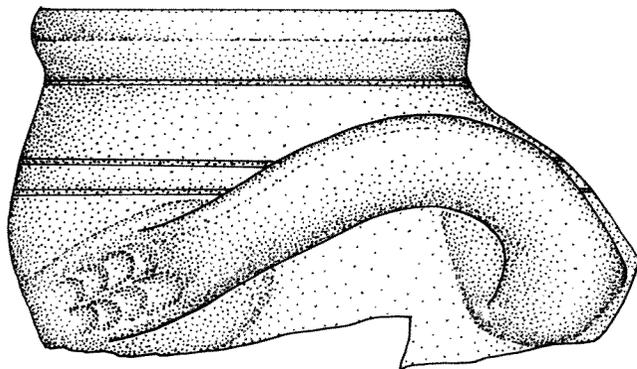
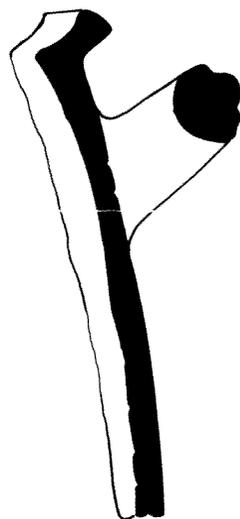
ZW 143A



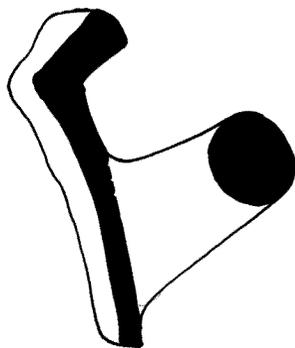
JARS & JUGS



ZW 197



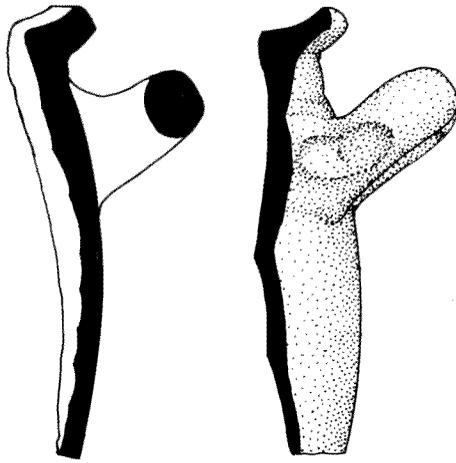
ZW 146



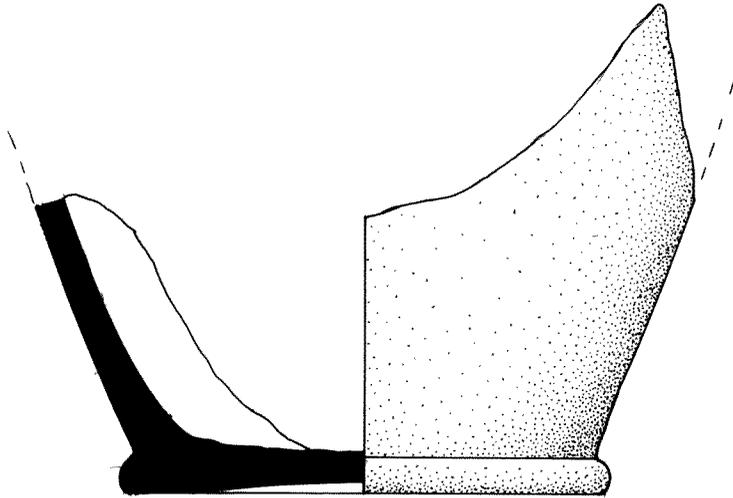
ZW 146



JARS & JUGS



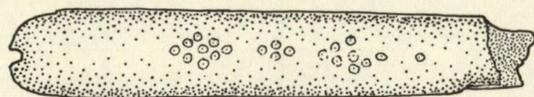
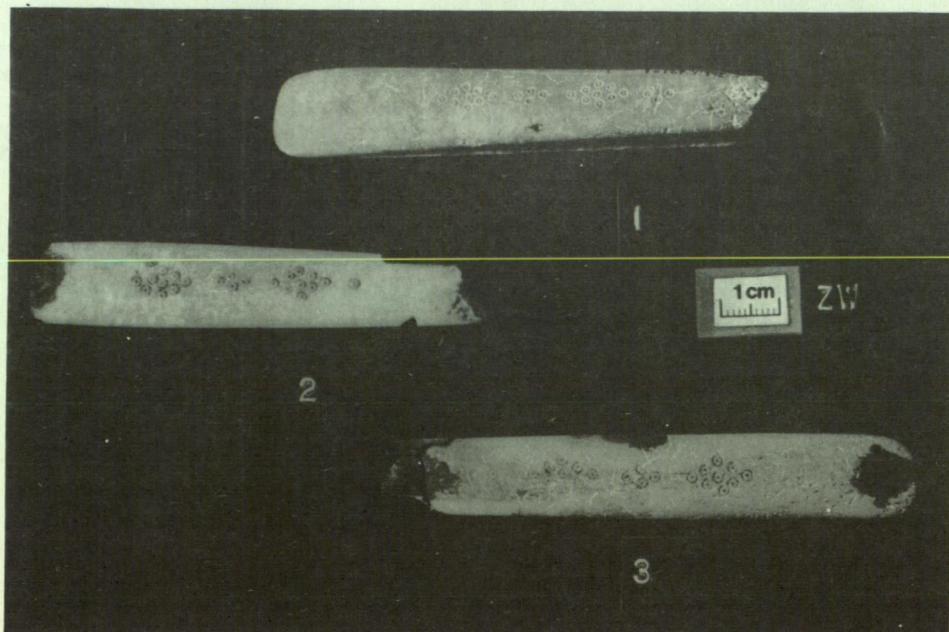
ZW 145



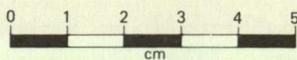
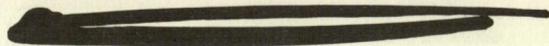
ZW 143B



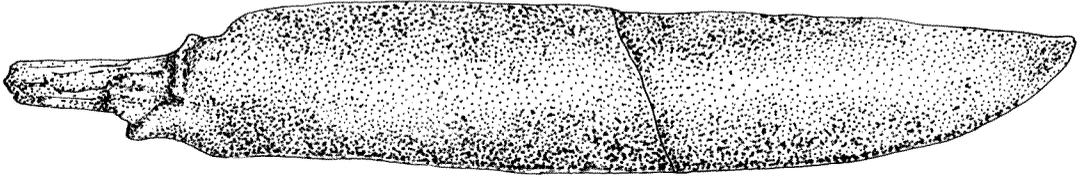
KNIVES



ZW 1099

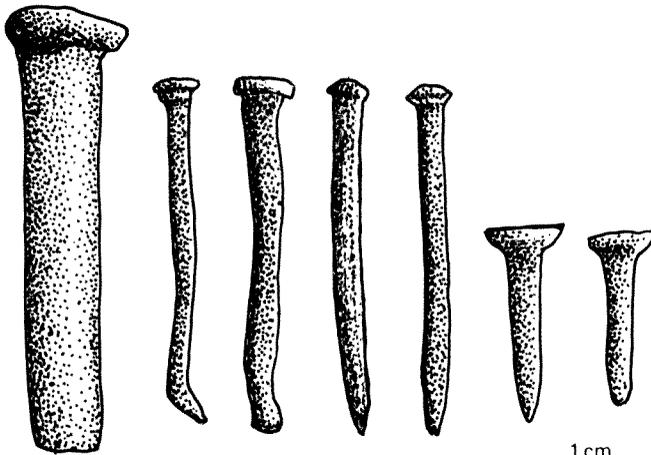


KNIVES



ZW 538

NAILS

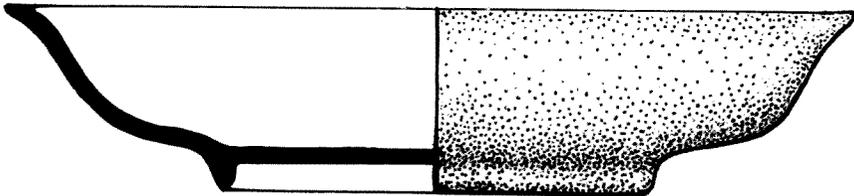


ZW 265

PORCELAIN

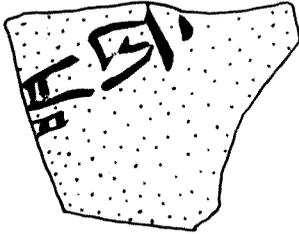


ZW 1015

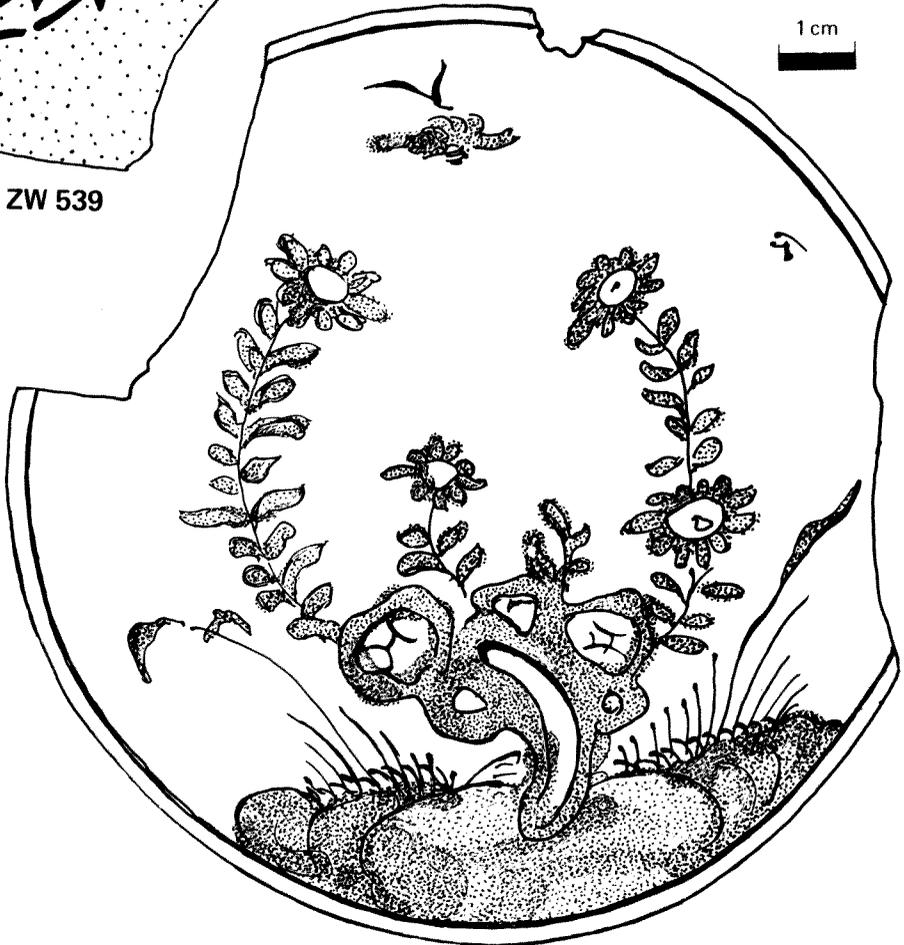


ZW 1015

PORCELAIN

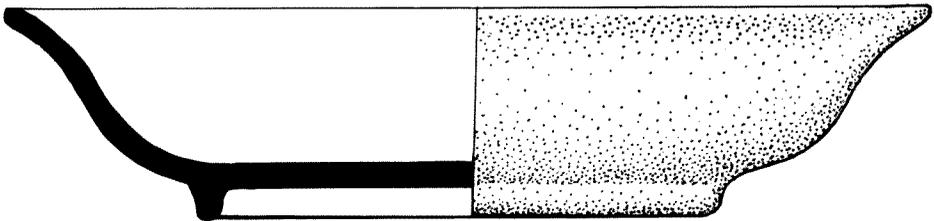


ZW 539



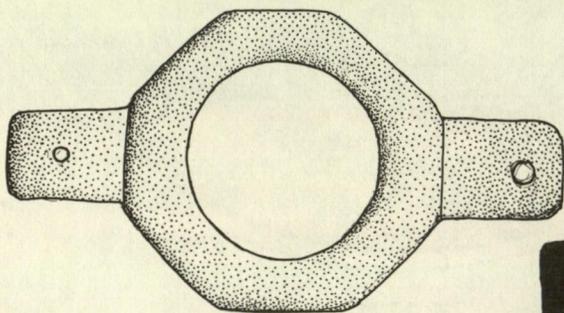
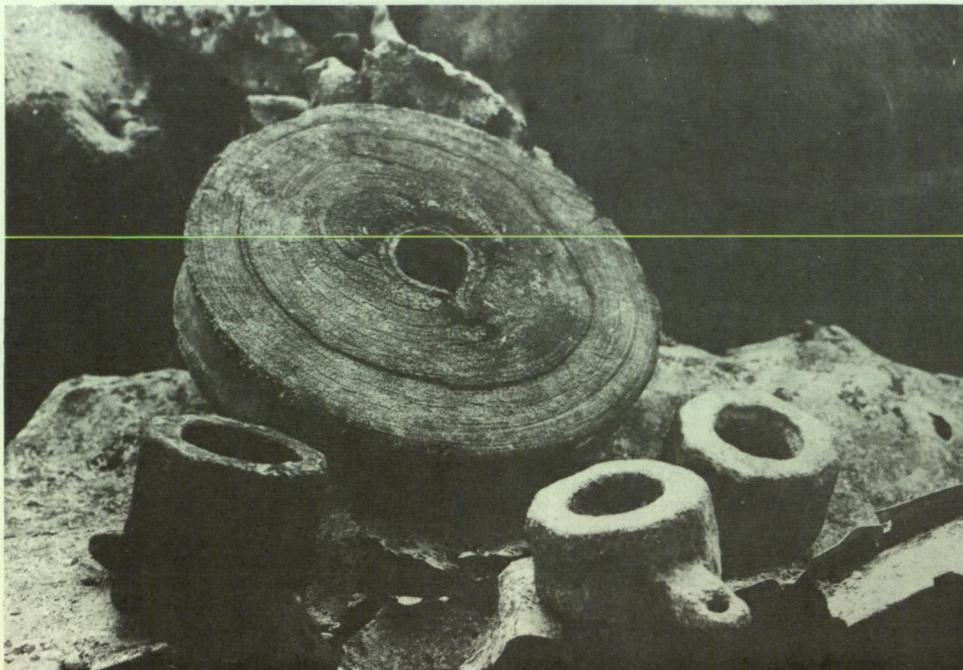
1 cm

ZW 1121

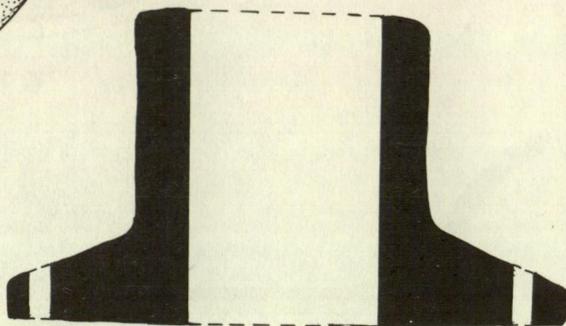
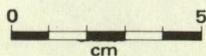


ZW 1121

PULLEY SHEAVES & PULLEY BEARINGS

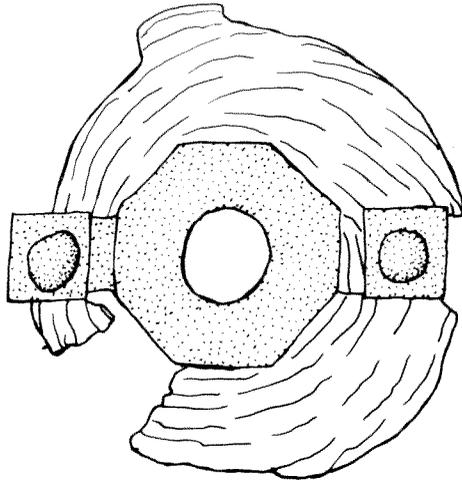
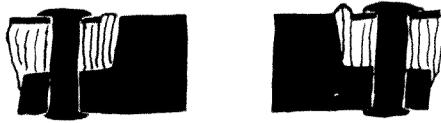


ZW 836

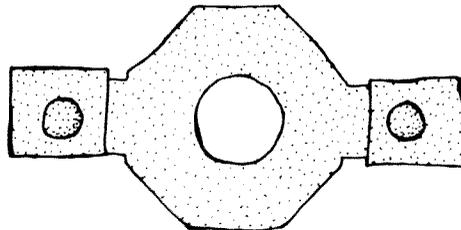


ZW 836

PULLEY SHEAVES & PULLEY BEARINGS

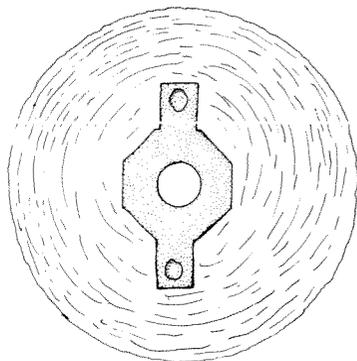


ZW 174

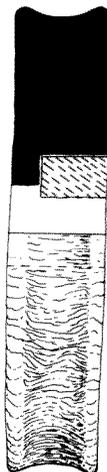
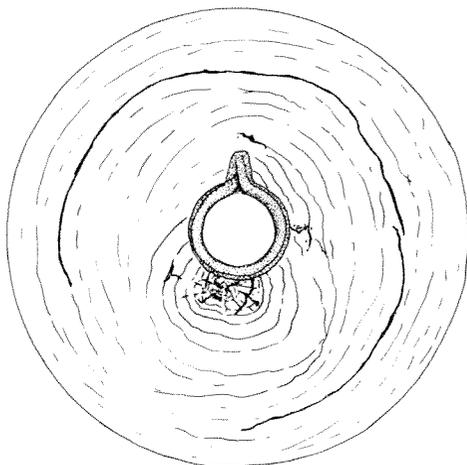


ZW 191

# PULLEY SHEAVES & PULLEY BEARINGS



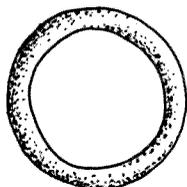
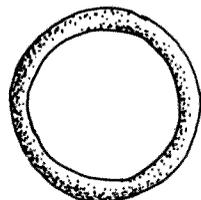
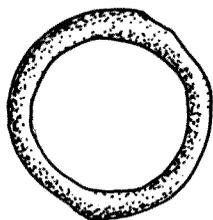
ZW 169



ZW 176

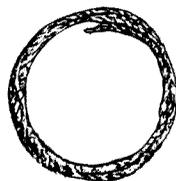


RINGS

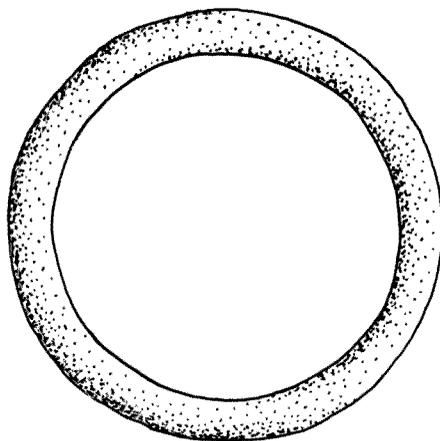


ZW 212

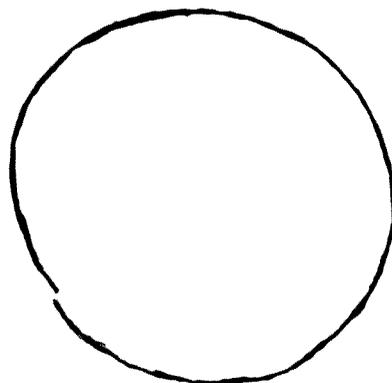
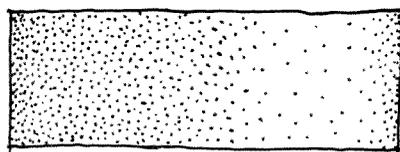
1 cm



ZW 219

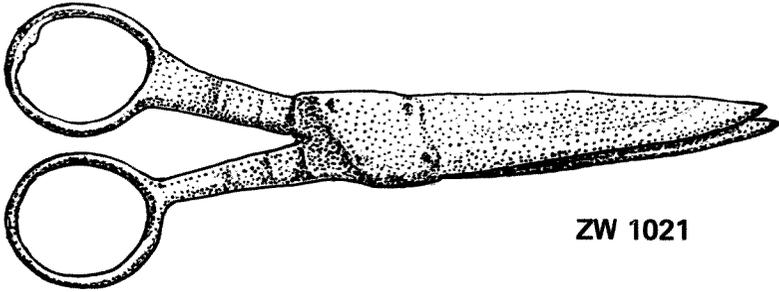


ZW 216

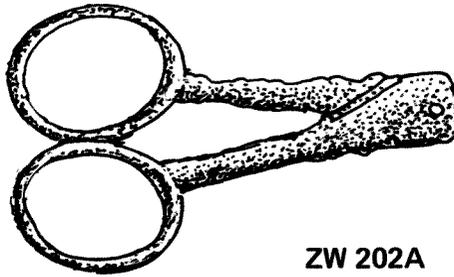


ZW 217

**SCISSORS**

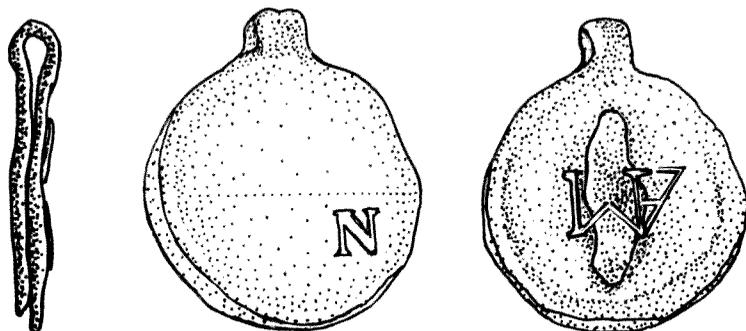


**ZW 1021**



**ZW 202A**

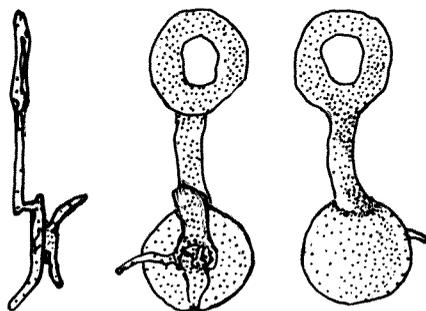
SEALS



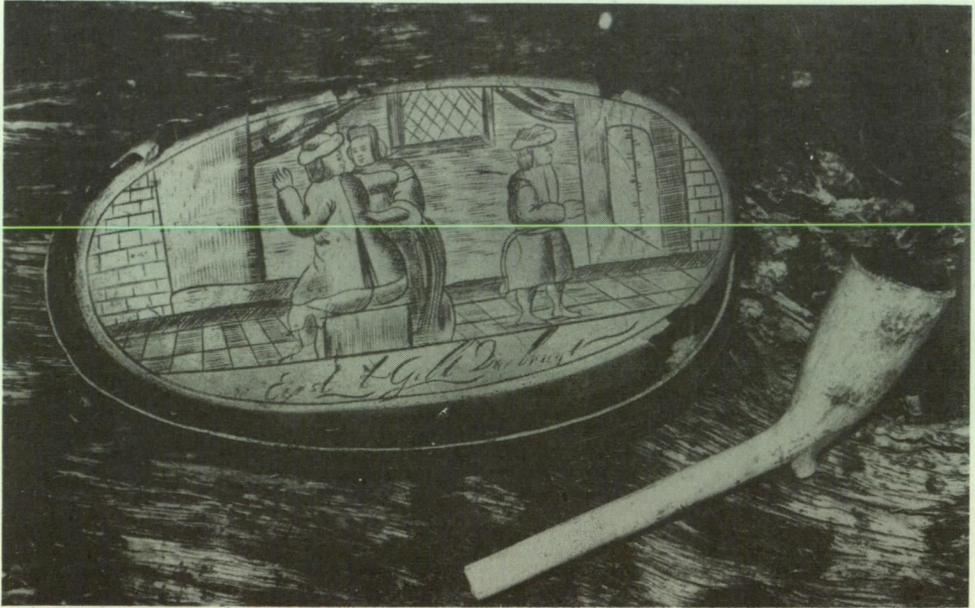
ZW 241



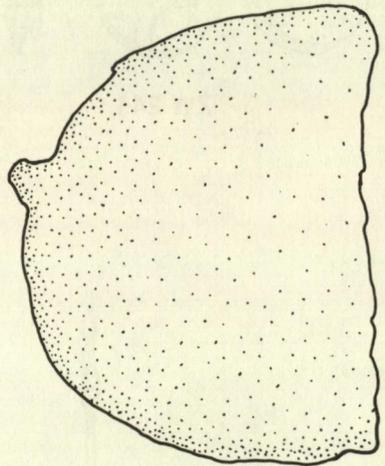
ZW 241



SMOKING EQUIPMENT



1 cm



ZW 1045

SMOKING EQUIPMENT



ZW 1016

1 cm



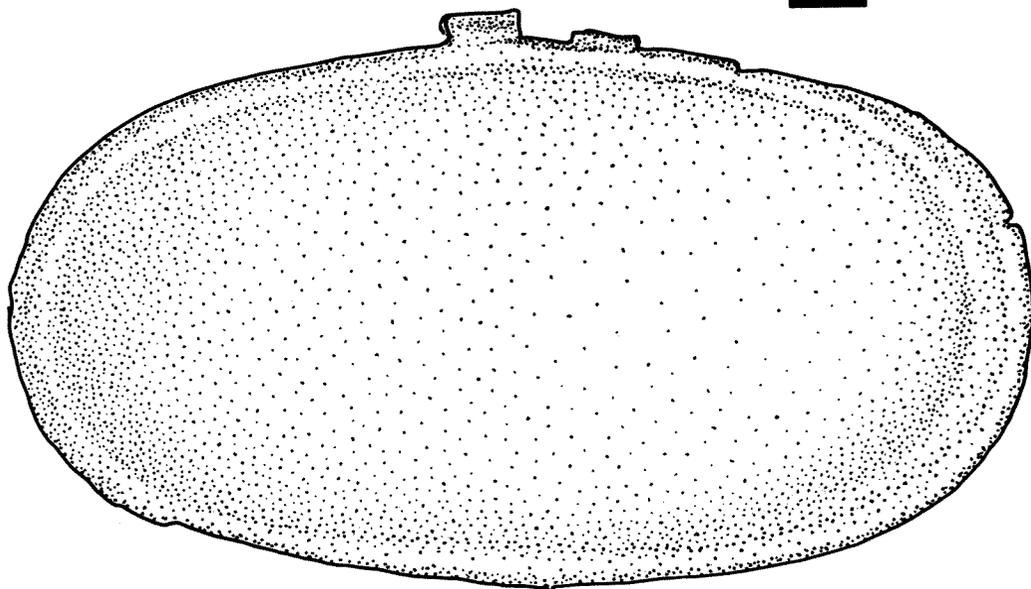
ZW 1016

SMOKING EQUIPMENT



ZW 1044

1 cm



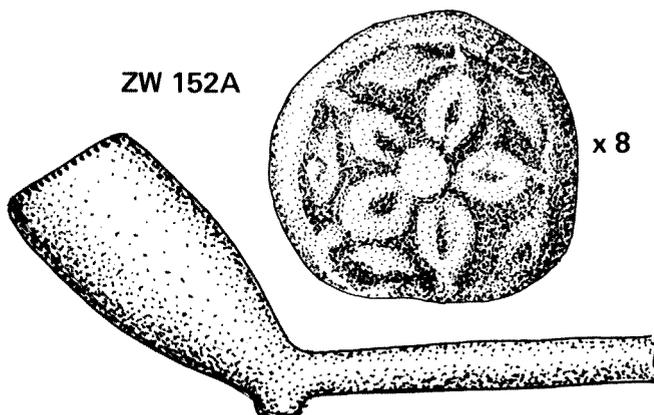
ZW 1044

# SMOKING EQUIPMENT

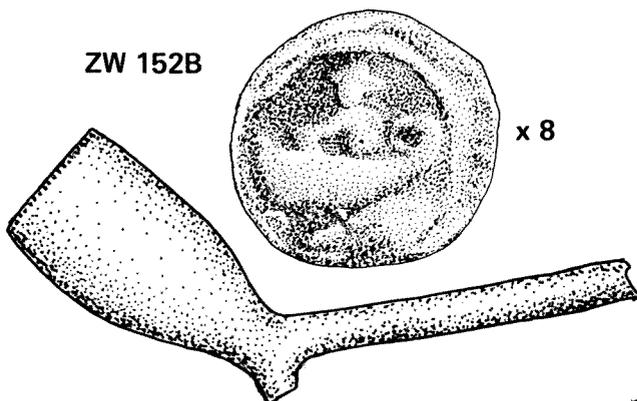
1 cm



ZW 152A



ZW 152B



x 8



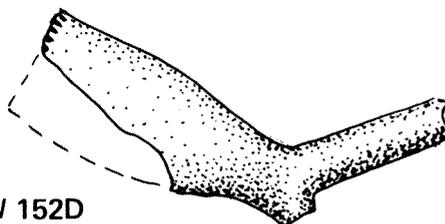
x 8

ZW 152C

x 8

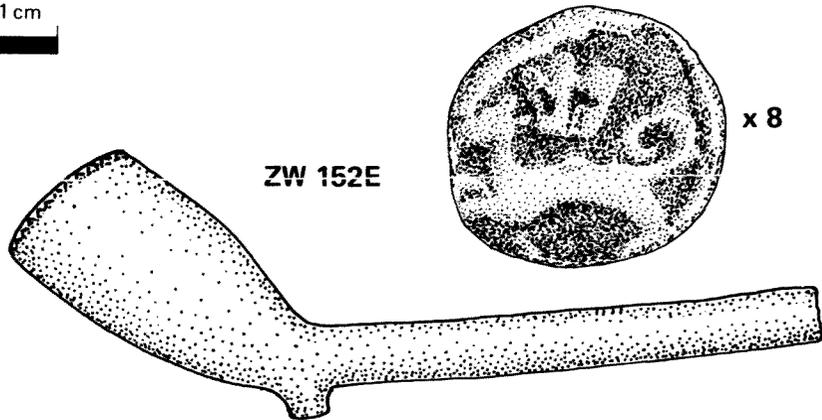


ZW 152D



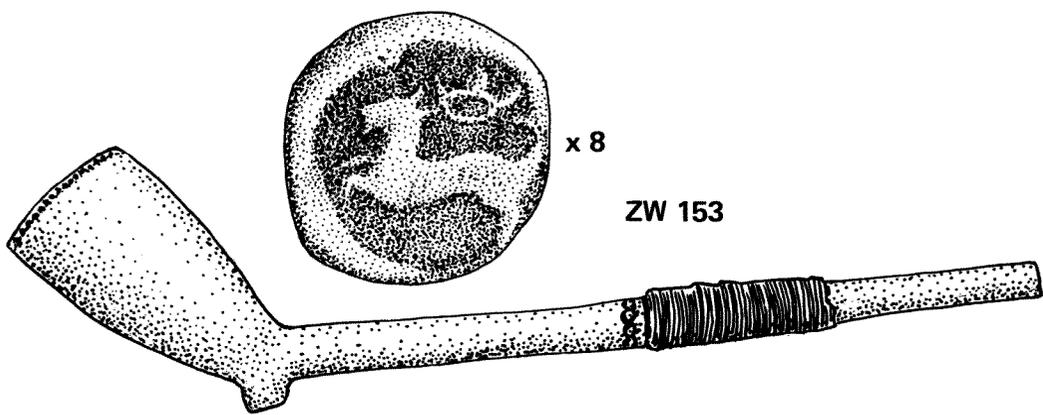
# SMOKING EQUIPMENT

1 cm



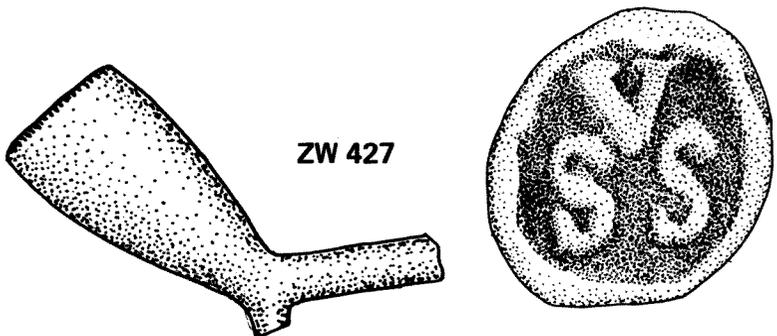
ZW 152E

x 8



x 8

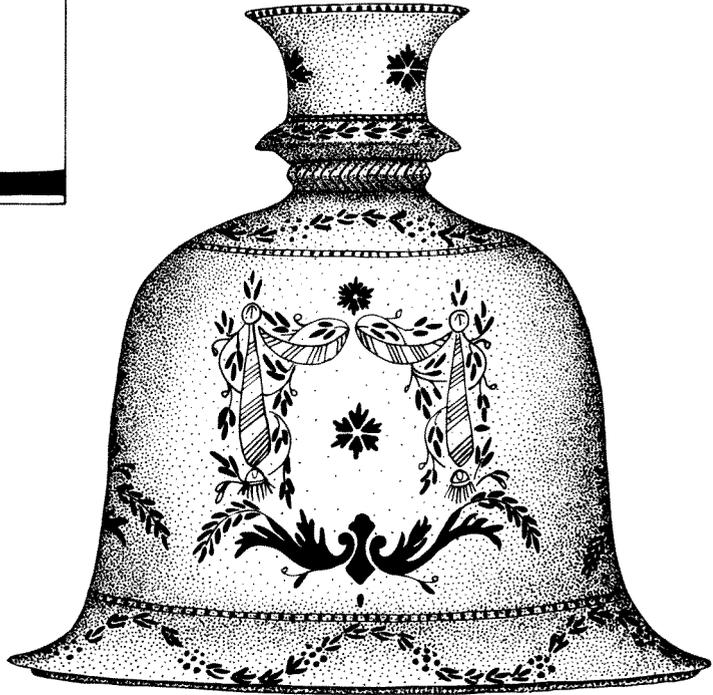
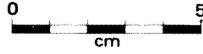
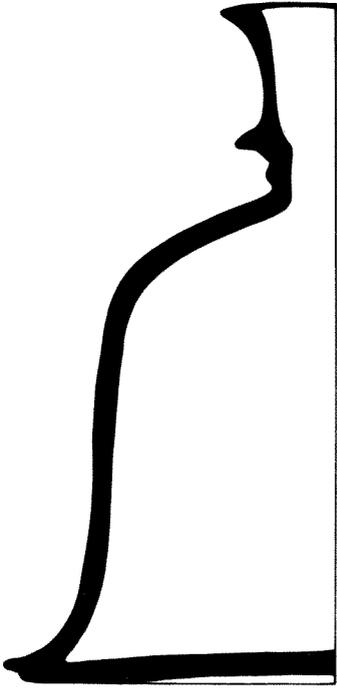
ZW 153



ZW 427

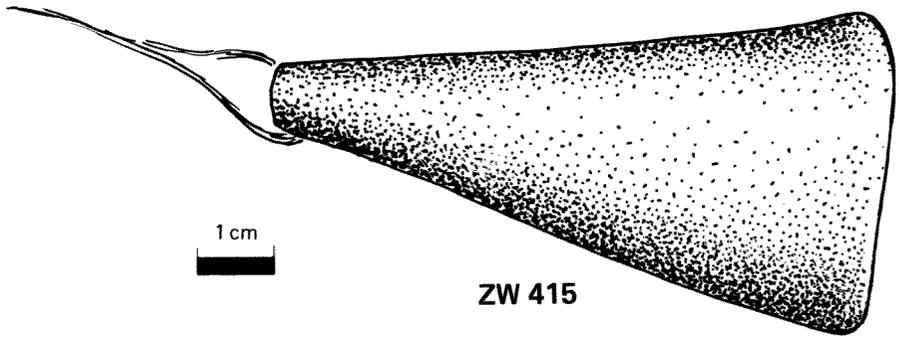
x 8

SMOKING EQUIPMENT

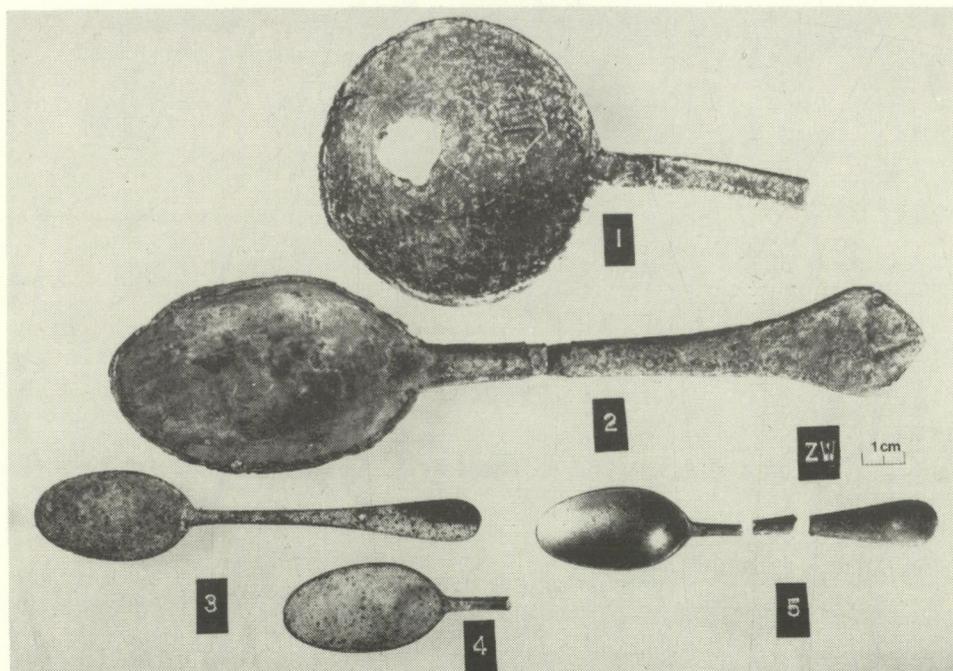


ZW 283

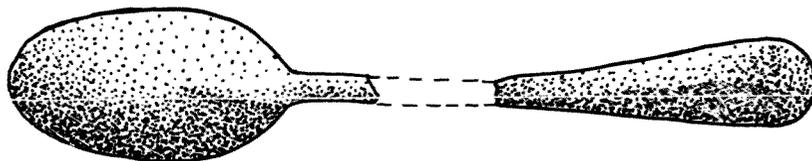
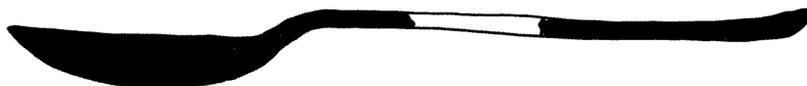
**SOUNDING LEAD**



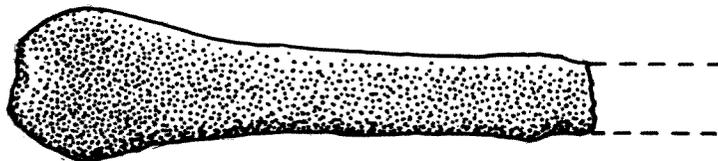
# SPOONS



SPOONS



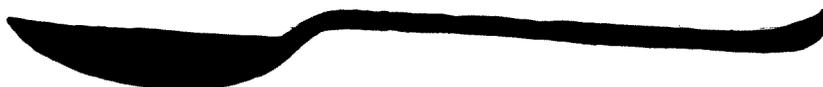
ZW 231



ZW 245A

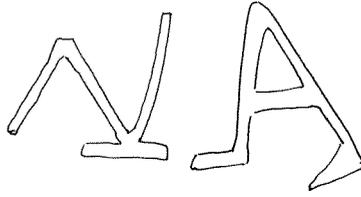
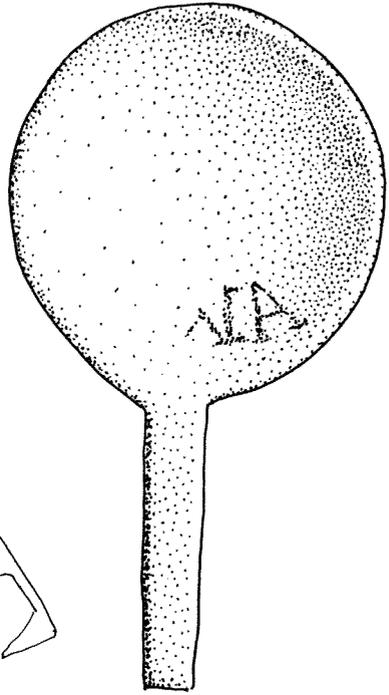
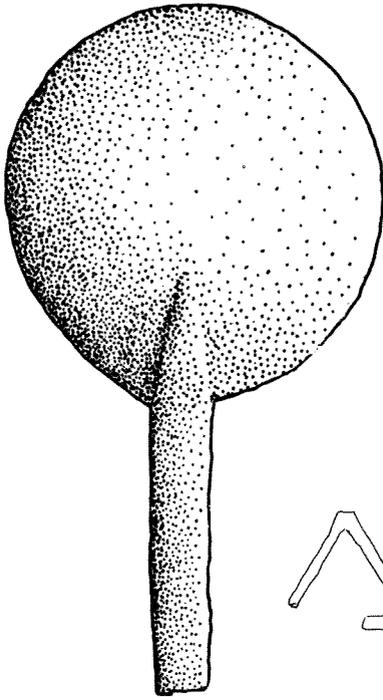


ZW 245B



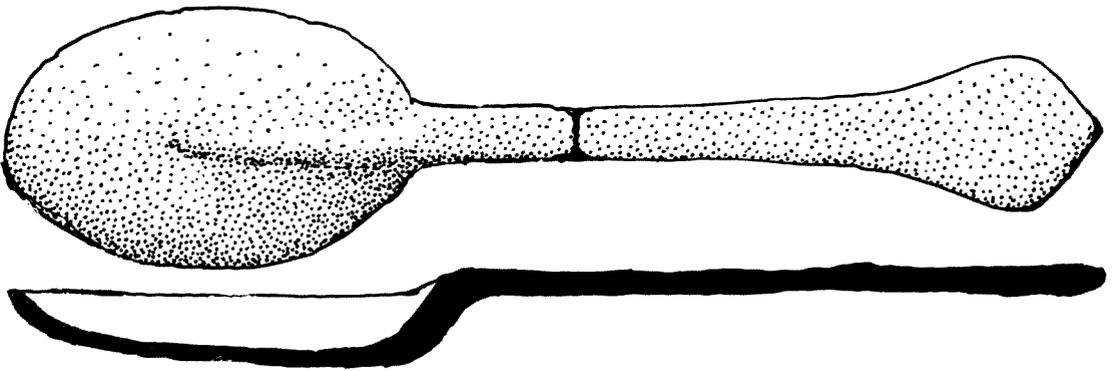
ZW 1007

SPOONS



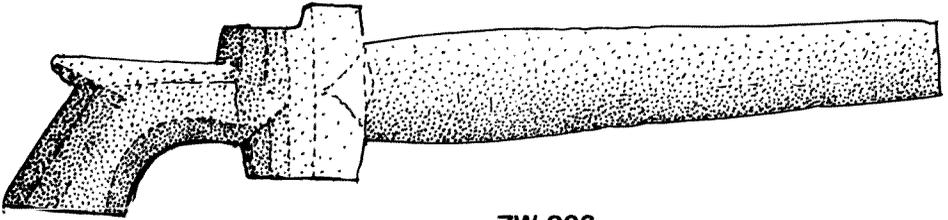
ZW 1009

1 cm

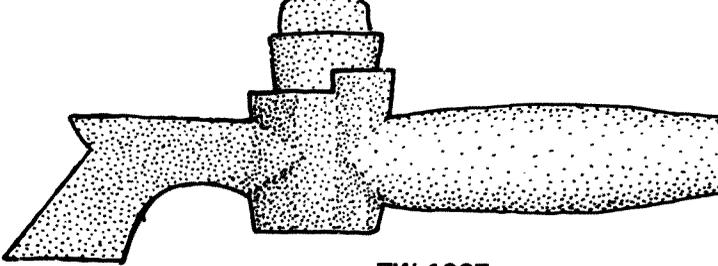
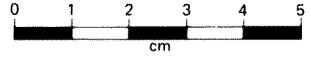
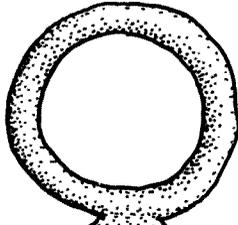


ZW 1010

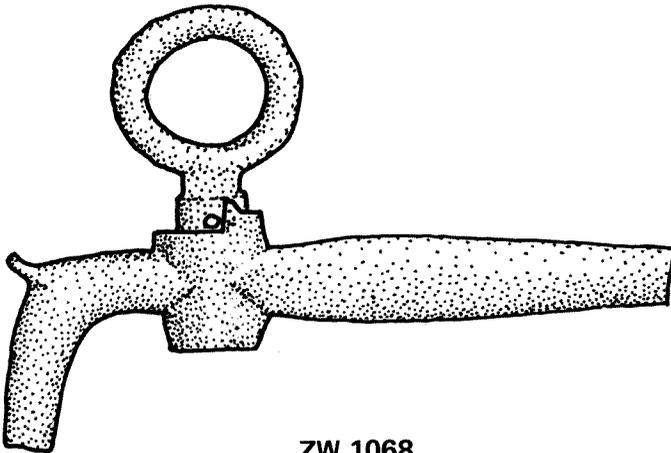
TAPS



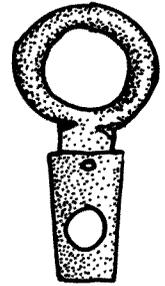
ZW 206



ZW 1067

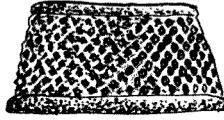


ZW 1068



ZW 1043

THIMBLE

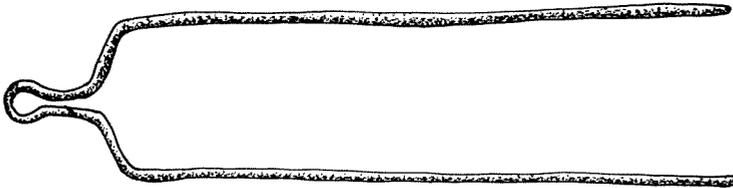
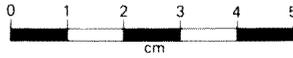


ZW 230E

1 cm



TWEEZER



ZW 210

**REGISTER OF ZEEWIJK ARTIFACTS  
RECOVERED FROM 1840 TO 1975**

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
102		Onion bottle, H 172mm, W 139mm	Glass	30
103		Onion bottle, H 160mm, W 140mm	"	30
104		Onion bottle, H 160mm, W 142mm	"	30
105		Onion bottle, H 167mm, W 144mm	"	30
106		Onion bottle, H 175mm, W 147mm	"	31
107		Onion bottle, H 163mm, W 147mm	"	31
108		Onion bottle, H 168mm, W 141mm	"	31
109		Onion bottle, H 159mm, W 135mm	"	31
110		Onion bottle, part of (broken neck)	"	
111		Onion bottle, part of (broken side)	"	
112		Onion bottle, part of (broken base)	"	
113		Onion bottle, part of (broken neck)	"	
114		Onion bottle, part of (broken side and neck)	"	
115		Onion bottle, part of (onion fragments restored)	"	
116		Onion bottle, part of " "	"	
117		Onion bottle, part of " "	"	
118		Onion bottle, part of " "	"	
119		Onion bottle, part of " "	"	
120		Onion bottle, part of " "	"	
121		Onion bottle, part of (base)	"	
122		Onion bottle, part of (base and fragments)	"	
123		Onion bottle, part of (base)	"	
124		Onion bottle, part of (neck)	"	
125		Onion bottle, part of (base)	"	
126	5	Onion bottle, part of (necks)	"	
127	16	Onion bottle, part of (fragments)	"	
128	4	Onion bottle, part of (bases)	"	
129		Case bottle, part of (fragments)	"	
130		Case bottle, part of "	"	
131		Case bottle, part of "	"	
132		Case bottle, part of "	"	
133		Case bottle, part of "	"	
134		Case bottle, H 284mm, W 113 mm (shoulder), W 110mm (base)	"	28
135	5	Case bottle, part of (bases)	"	
136		Case bottle, part of (neck)	"	
137	3	Case bottle, part of (side and shoulders)	"	
138	3	Tumblers, part of (bases), purple	"	
139		Jug with broken handle	Stoneware	73
140		Jug, parts of (base and 9 sherds) "Bellarmine"	"	
141		Jug, salt glazed with handle	"	73

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
142	10	Jug, fragments of, "Bellarmine"	"	
143a	2	Jug, parts of (1 mask) "Bellarmine"	"	73
143b		Jug, part of (base)	"	75
144	3	Jug, part of	"	
145	6	Jug, part of	"	75
146		Jug, part of (handle)	"	74
147		Handle from glazed vessel	Earthenware	
148	4	Fragments of base	"	
149		Base sherd, salt glazed of jar or jug	Stoneware	
150	1	Fragment of blue and white china	Porcelain	
151		Spout	Stoneware	
152a		Claypipe, part of (stem and bowl), Heelmark: Rose, Goudapipe, possibly G. Scholten & H. Spruyt's workshop	Clay	89
152b		Claypipe, part of (bowl), Heelmark: Man in a boat, Goudapipe, possibly J. Ijserman's workshop	"	89
152c		Claypipe, part of (bowl), Heelmark: The Man with the Musket, Goudapipe, (possibly) J. Versluis' workshop	"	89
152d		Claypipe, part of (bowl), Heelmark: de Trompetter, Goudapipe, possibly J. Maarenhoef's workshop	"	89
152e		Claypipe, fragment of, Heelmark: Het Springend Hert, Goudapipe, possibly J. de Vinck's or H. Bol's workshop R	"	90
152f		Claypipe, fragment of, Heelmark: IB, Goudapipe (?), possibly H. de Jong's workshop	"	
153		Claypipe with string, Heelmark: The Greyhound Goudapipe	"	90
154	227	Musket balls, $\phi$ 17mm, 15mm, 14mm	Lead	
155	175	Musket balls, $\phi$ 17mm, 15mm, 14mm	"	
156	9	Musket balls, $\phi$ 17mm, 15mm, 14mm	"	
157	20	Cannon balls, $\phi$ 420mm	Ferrous	
158		Cannon ball, $\phi$ 950mm	"	
159		Cannon balls, fragment of	"	
160	4	Cannon balls, $\phi$ 950mm	"	
161	1	Cannon ball, $\phi$ 420mm	"	
162	2	Cannon balls, $\phi$ 450mm, $\phi$ 430mm	"	
163	2	Cannon balls, $\phi$ 420mm	"	
164	2	Unidentified pieces of wood, fragments	Wood	
165		Unidentified pieces of wood	"	
166		Unidentified pieces of wood	"	
167		Unidentified pieces of wood	"	
168		Pulley, block sheave	"	
169		Pulley, block sheave with brass bearing	"	82
170		Pulley, block sheave	"	
171		Pulley, block sheave, part of	"	

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
172		Unidentified piece of timber	"	
173		Pulley sheave	Ferrous	
174		Pulley block, part of, with copper bearings	Wood	81
175		Pulley block, part of	"	
176		Pulley block, part of, with iron bearing	"	82
177		Ferrule	Ferrous	68
178		Knife blade	"	
179	5	Knife blades, part of	"	
180		Knife blade, fragment of	"	
181		Canister lid	Copper	
182		Canister lid	"	48
183		Canister lid	"	
184		Square pan with pouring lips	"	47
185		Square pan with handle and pouring lips	"	46
186		Funnel-like object, possibly water pipe flange	Brass	50
187		Kettle, spout missing	Copper	44
188		Unidentified circular object, dome -- with hole in top	Brass/Iron	49
189		Bowl from scoop, possibly makeshift	Copper	49
190	9	Sinkers	Lead	60
191		Octagonal bearing	Brass	81
192		Spout from a copper kettle. Attachment for a lid on the spout	Copper	
193		Candlestick, part of (shank), corroded	Brass	38
194		Candlestick, part of (shank), corroded	"	38
195		Baldrick buckle, a shoulder slung belt for a sword or cutlass	"	34
196a		Shoe buckle	"	
196b		Shoe buckle, part of (chape)	"	35
196c		Buckle	"	36
196d		Buckle, part of (chape)	"	36
196e		Buckle	"	35
196f		Buckle	"	35
197		Jar, part of (handle and side)	Stoneware	74
198		Buckle, part of (chape)	Brass	35
199a		Shoe buckle, woman's shoe (?)	Copper	35
199b		Buckle	"	
200a		Wall-hook, ornated	Brass	67
200b		Wall-hook, ornated	"	67
201	12	Fish hooks, partial and complete	"	61
202a		Pair of scissors, part of	"	84
202b		Pair of scissors, part of	"	
203	14	Pair of scissors, parts of	"	
204	11	Buttons	Bone	37
205	35	Buttons, partial and complete	Brass	37
206		Tap, part of, spigot missing	"	96
208		Handle, part of	Copper	

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
209	4	Corner braces and chestlock	"	63-64
210		Tweezer	Brass	97
211		Number five	Copper	66
212	15	Curtain rings (?)	Brass	83
213	3	Knife ferrules, used on knives between blade and handle	"	
214		Cylinder to hold ramrod, ornated	"	57
215		Thimble	"	
216		Flat ring, $\phi$ 57mm	"	83
217		Flat ring, $\phi$ 50mm	"	83
218	3	Ferrules, metal part between handle and a tool	"	68
219		Finger ring, $\phi$ 23mm outside, $\phi$ 18mm inside	"	83
220		Book hinge	"	64
221		Buckle, part of (chape)	"	35
222		Wire, twisted wire made into an eye	"	
223		Wire, twisted wire made into an eye	"	
224	3	Flint fragments from flint musket or flint pistol	Flint	
225		Fragments of clear glass	Glass	
226		Glass stopper, purple, with oo markings on side	"	
227	6	Clasps, with small hinges	Brass	
228	2	Fasteners, brass leather fasteners for belt or strap	"	
229		Cloak fastening, part of (?)	Brass	35
230a		Hinge	"	64
230b		Claw foot, possibly to a small chest	"	65
230c		Harness leather ornament	"	65
230d		Part of musket stock plate	"	55
230e		Thimble	"	97
230f		Teardrop handle for small piece of furniture	"	65
231	2	Spoon, parts of	Gilded	94
232a		Hinges	Brass	
232b		Hinges	"	
232c		Pin from a buckle	"	
232d		Latch	"	65
233a		Unidentified metal fitting	"	65
233b		Unidentified metal fitting	"	65
233c		Metal supporting device, possibly bail support	"	65
234	2	Flat square objects	"	
235	11	Teeth, human	Bone	
236		Lid, part of the rim, decorated	Brass	
237		Piece of metal with hole and slit	"	
238		Rim, part of	Copper	

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
239	8	Pieces of metal (rectangle, low rim)	"	
240		Unidentified small dome-shaped object	Brass	
241	6	Seals, one marked AM and N	Lead	85
242		Small circular object (cap?)	"	
243	2	Straight thin metal pieces	Copper	
244		Straight U-shaped metal object	"	
245a		Spoon, part of (handle)	Pewter	94
245b		Bar, possibly spoon handle	Lead/Pewter	94
246		Knife handle	Iron	
247	2	Copper fragments	Copper	
248a	2	Buckles and 1 pin (parts of)	Brass/Pewter	35
248b		Piece of wood	Wood	*
249		Bottle fragments	Glass	
250		Pistol, parts of	Iron/Wood	54
251a-c	3	Musket plates, bearing inscriptions "Kamer Zeeland", "Cameer Zeeland" and "Zeeland"	Copper	55
252	2	Trigger guards	Brass	
253	2	Scrolls, possibly from muskets	"	
254	23	Rosary beads, same type as ZW 259	Bone	
255	2	Chain links	Iron	
256	3	Curved iron	"	
257		Link of large chain in concretion	"	
258	6	Nails, small	"	
259	7	Beads, same type as ZW 254	Bone	26
260	6	Bits, corroded	Iron	
261		Bolt with eye	"	66
262a-b	2	Hooks with circular heads, possibly ship's fitting, corroded	"	66
263		Scroll	"	
264		Corroded fragments	"	
265	10	Nails and eyelets	Iron/Brass	77
266		Bone, part of human sacrum	Bone	
267		Brick	Clay	
268		Sheet	Copper	
269		Sheet	Lead	
270	2	Conglomerates	Iron	
271		Bar, concreted, 350mm x 350mm	"	
272		Hoop, from dead eye	"	
273		Cauldron, part of (leg)	Copper	50
274		Pan, part of large square copper pan	"	
275		Sheet with square holes	Lead	
276		Tusk	Ivory	
277		Tusk	"	
278		Tusk, fragment of	"	
279		Tusk, fragment of	"	
280		Breech block	Bronze	
281		Slate, paving slab	Stone	

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
282	2	Bars, part of	Iron	
283		Hookah bowl	Pewter	91
284	2	Slate, fragment of	Stone	
285		Assortment of unidentified fragments		
332	4	Bricks, part of	Clay	
333a-b	2	Furniture, part of, possibly from chair	Wood	69
334	12	Onion bottles, fragments of	Glass	
335	7	Salt glazed sherds	Stoneware	
336	5	Fragments	Lead	
337	4	Conglomerates and fragments of ivory	Ivory	
338		Drinking glass, part of (base), purple	Glass	
411		Case bottle, H 286mm, W 113mm (shoulder), W 103mm (base)	"	28
412		Onion bottle, H 162mm, W 137mm	"	32
413		Drinking glass, part of (base and stem)	"	52
414		Inkstand	Lead	70
415	3	Sinkers, sounding lead	"	60, 92
416		Hinge, used on lid of decoration box or case	Brass	63
417	5	Buttons	Bone	
418	4	Musket balls $\phi$ 17mm	Lead	
419a		Baldrick buckle	Brass	34
419b		Baldrick buckle	"	34
419c		Shoe buckle, possibly from woman's shoe	Copper	36
419d		Shoe buckle, possibly from woman's shoe	"	
420		Cannon ball	Iron	
421	2	Handles, ornated	Bone	
422	2	Brick, 1016mm x 2159mm x 381mm	Clay	
423		Vessel with handle	Pewter	72
426	2	Combs, fragments of	Bone	42
427		Claypipe, part of (bowl) Heelmark: S <sup>V</sup> s, Goudapipe, possible I. van den Broeck's workshop	Clay	90
428	2	Pair of scissors	Brass	
429	4	Strings of rosary beads		
430		Pistol butt plate	Brass	57
538	2	Knife, fragments of	Iron	77
539		Blue and white sherd of Chinese porcelain	Porcelain	79
832	3	Case bottles, part of (base)	Glass	
833	4	Onion bottles, part of (base)	"	
834	2	Onion bottles, part of (neck)	"	
835		Breech block	Bronze	
836	4	Pulley bearings	"	80
837		Pulley sheave	"	
838		Onion bottles, part of (neck)	Glass	

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
839		Sheet	Copper	
840	94	Fragments	Lead	
841	9	Fragments	Iron	
842	2	Sherds	Stoneware	
843		Lid (?), part of, glazed	Earthenware	
844	5	Sherds of pottery	Stoneware	
845	6	Bricks, pieces of, possibly Flemish	Clay	
846	2	Bricks, part of	"	
847		Bottle, part of (base)	Glass	
848		Claypipe, part of (stem)	Clay	
851		Block ring		
852		Coal, piece of	Coal	
853	9	Sherds, glazed	Earthenware	
854	17	Bottles, part of (bases)	Glass	
855		Pulley sheave	Bronze	
856	121	Onion bottles, part of (bases)	Glass	
857	24	Onion bottles, fragments (body)	"	
859		Bones	Bone	
860		Bottle fragments	Glass	
861		Bones	Bone	
862		Unidentified fragments		
870		Unidentified fragments		
1000		Onion bottle, H 172mm, W 145mm	Glass	32
1001		Onion bottle, H 170mm, W 142mm	"	32
1002		Vessel	Pewter	72
1003		Tumbler, decorated	Glass	53
1004		Wine glass	"	52
1005		Wine glass	"	53
1006		Wine glass, part of (base and stem)	"	
1007		Spoon	Pewter	94
1008		Spoon	"	
1009		Spoon	"	95
1010		Spoon	"	95
1011		Sinker	Lead	
1012		Medicine bottle	Glass	32
1013	2	Pairs of scissors	Brass	
1014		Onion bottle, part of (base)	Glass	
1015		Blue and white saucer, Chinese	Porcelain	78
1016		Tobacco box — text on lid translated: "First spend your money, then out to sea"	Brass	87
1017		Shoe buckle	"	
1018		Shoe buckle	"	36
1019		Buckle, probably from a strap such as would be found on a sword belt	"	36
1020		Shoe buckle	"	
1021		Pair of scissors	"	84
1022		Sinker	Lead	

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
1023		Sinker	"	60
1024		Fish hook	Brass	61
1025		Fish hook	"	61
1026		Fish hook	"	
1027		Fish hook	"	
1028		Fish hook	"	61
1029		Shoe buckle	"	36
1030		Buckle, probably off a sword belt	"	36
1031		Buckle	"	36
1032		Shoe buckle, or possibly strap buckle for sword hangers	"	36
1033		Escutcheon plates, part of	"	55
1034		Escutcheon plate, part of	"	55
1035		Fish hook, with twist in shank	Copper	61
1036		Fish hook	Copper	61
1037		Fish hook	"	
1038	3	Fish hooks, part of	Brass	
1039	4	Fish hooks, part of	Copper	
1040		Oval plate with three holes	Brass	65
1041		Plate and rivit	"	
1042		Hank, used for applying sail to stay on a sailing ship	Iron	66
1043		Spigot	Brass	96
1044		Tobacco box, engraved		88
1045		Tobacco box, part of, the lid shows the silhouette of Leyden, Holland	"	86
1046		Thimble, part of	"	
1047		Thick, short wire	Copper	
1048		Tusk	Ivory	
1049		Swivel gun (Boschetti)	Bronze	41
1050		Breech block from Boschetti swivel gun	"	41
1051		Trigger guard	"	56
1052		Trigger guard	Brass	56
1053		Toutch pan with maker's name, Peterson Essen	"	56
1054		Butt to pistol	"	57
1055		Musket stock plate	"	58
1056		Jug, medium size	Stoneware	73
1057		Onion bottle stamped ff, H 465mm, W 405mm, capable of holding 25 litres	Glass	33
1058		Case bottle, H 250mm, W 110mm (shoulder), W 105mm (base)	"	29
1059		Case bottle, H 274mm, W 115mm (shoulder), W 113mm (base)	"	29
1060		Funnel with ring	Brass	51
1061		Kettle, spout missing	"	43
1062		Churn, with sealing brass lid	"	45
1063		Cauldron, part of (leg)	"	

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
1064		Lid from kettle	"	44
1065		Cartridge container lid	"	48
1066		Wall-hook, ornated	"	67
1067		Tap, medium size	"	96
1068		Tap, small size	"	96
1069		Tumbler, part of (base)	Glass	
1070		Wine glass, part of (base, stem and part of bowl)	"	53
1071		Wine glass, part of (base and stem)	"	
1072		Wine glass, part of (bowl)	"	
1073		Tumbler	"	53
1074-8	5	Tumblers, fragments	"	
1079		Tumbler, part of (base)	"	
1080		Wine glass, part of (stem)	"	
1081		Wine glass, part of (base)	"	
1082		Wine glass, part of (base)	"	
1083		Wine glass, part of (base)	"	
1084		Wine glass, part of (base and stem)	"	
1085		Wine glass, part of (base and stem)	"	
1086	18	Wine glass, fragments of bowls	"	
1087		Wine glass, fragments of bowls	"	
1088		Wine glass, part of (stem and bowl)	"	
1089		Wine glass, fragment of bowl	"	
1090		Wine glass, fragment of bowl	"	
1091		Wine glass, fragment of bowl	"	
1092		Wine glass, part of (bowl)	"	
1093		Wine glass, part of (bowl)	"	
1094		Wine glass, part of (bowl)	"	
1095		Wine glass, part of (stem)	"	
1096	2	Wine glass, part of (base)	"	
1097		Wine glass, part of (bowl)	"	
1098		Decorated coloured glass fragment	"	
1099		Razor handle	Bone	76
1100		Wine glass, part of, bowl and stem with silver joint with stamps and the markings AJI	Glass	53
1101	2	Wine glasses, fragment of	"	
1103		Tumbler, purple, etched design	"	53
1104		Pot fitting and ring (handle)	Brass/Copper	49
1106		Handle, to copper pot or kettle	Copper	
1107		Kettle, part of, spout, lid and handle missing	"	
1108		Lid to kettle	"	44
1109		Kettle, part of spout, lid and handle missing	"	43
1110		Tray rush lamp (?), square pan with pouring lips	"	47

Reg. No. (all prefixed by ZW)	No.	Description	Material	Illustration Page
1111		Swivel gun, Stokes, and replica of breech block	"	40
1112		Measure with no. 4 stamped on it		51
1113		Onion bottles, part of neck and 5 fragments	Glass	
1114		Onion bottle fragments	"	
1115	8	Case bottle, fragments	"	
1116	20	Onion bottle, fragments	"	
1117	2	Wine glass fragments	"	
1118	22	Claypipe fragments	Clay	
1119		Jug, part of (base)	Stoneware	
1120	6	Bone fragments	Bone	
1121		Saucer blue and white Chinese porcelain	Porcelain	79