

LATE ROMAN POTTERY DISCOVERED AT HISTRIA IN THE ACROPOLIS CENTRE-SOUTH SECTOR (2015). VASA ESCARIA – LATE ROMAN C WARES

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Keywords: Late Antiquity, Roman period, Scythia, Histria, pottery, vasa escaria

Abstract: The 90 pottery fragments presented in this paper were discovered in 2015 at Histria, in the Acropolă Centru-Sud sector (excavation coordinated by the University of Bucharest). The pottery pertains to seven forms with 14 types of kitchen ware. This category of artefacts is very important and, at the same time, very discriminated. Common ware – and most of the kitchen ware is part of this category – is overlooked in favour of luxury ware, lamps and amphorae, and a very large quantity of material pertaining to this category remains unstudied. This situation is common, in spite of the fact that, due to its fragility and the lack of a waterproof coating (which means that in a short time organic matter and mold make it unusable), it had a short life and therefore provides archaeologists with a much more refined chronological marker. Apart from the chronological information, the study of kitchenware can shed new light on the trade directions and the zone of political influence in Scythia Minor during the Late Roman period. The publication of the entire pottery lot from and excavation can lead, now or in the future, to the clarification of certain problems for which we can only make suppositions at the present moment.

Cuvinte-cheie: Antichitatea târzie, epocă romană, Scythia, Histria, ceramică, veselă de bucătărie

Rezumat: Cele 90 de fragmente ceramice prezentate în acest studiu au fost descoperite în campania 2015, la Histria, în sectorul Acropolă Centru-Sud (săpătură coordonată de Universitatea din București). Materialul ceramic se încadrează în șapte forme cu 14 tipuri de veselă de bucătărie. Ceramica de uz comun – în care se încadrează majoritatea veselei de bucătărie – este trecută cu vederea în favoarea ceramicii de lux, a opaițelor și a amforelor, și, ca urmare, o cantitate uriașă de ceramică aparținând acestei categorii nu este studiată. Această situație este des întâlnită, în ciuda faptului că, datorită fragilității și lipsei unui strat impermeabil (ceea ce făcea ca materiile organice și mușgaiul să o facă de nefolosit în scurt timp), vesela de bucătărie avea o durată de folosire scurtă, ceea ce oferă arheologilor repere cronologice mult mai rafinate. Pe lângă informația cronologică, studiile dedicate ceramicii de bucătărie pot evidenția direcțiile economice și zona de influență politică în care se situa Scythia Minor în perioada romană târzie. Publicarea întregului material ceramic descoperit poate duce, acum sau în viitor, la clarificarea unor aspecte care, în prezent, sunt doar intuite.

Archaeological research was undertaken in the Acropolă Centru-Sud Sector¹ at Histria (Romania) in 2013 and the research is coordinated by a team from the University of Bucharest (institution that also financed this initial four-year project). The area chosen for excavation is also interesting, as it is located between different important archaeological complexes on the Histrian acropolis, such as the Episcopal basilica, the Christian basilica in the southern part of the acropolis and the residential district called *Domus*.

After three years, the excavation uncovered most of a Late Roman *insula*², in which there is at least one large 6th c. AD building with a large, paved, inner court.

Kitchenware can offer a much more detailed chronology than amphoras, for the simple reason that the latter could be used by two, even three generations, while the former could be used only for a few years. The short life span was due to this type of pottery's fragility and to the lack of a truly waterproof coating to prevent organic matter and mould from rendering it unusable after a while.

Based on the pottery published up to 2009, in *Scythia Minor* the Oriental tableware represents 82.6% of the total pertaining to this category. Approximately 12% is represented by the North-African pottery and only 5.4% by Pontic provincial and local ware. There is probably a significant error margin, due to the present state of the archaeological research and the partial publication of the pottery discoveries. There were several filters that, in the end, led to the publication of pottery lots based on which we have undertaken a statistic and functional study of the Roman pottery in *Scythia Minor*. Even so, the final results

¹ For the preliminary results of this excavation, see Bottez *et alii* 2015.

² For further details, see the introduction to the paper on Roman lamps

discovered in the ACS Sector in this volume.

showed the general trade directions and the area of political influence *Scythia Minor* belonged to in the Late Roman period³.

I.1. HAYES 1 FORM, TYPE A

General description of the type: the body's walls are vertical and curved; the rim is simple, sometimes thickened.

Area of diffusion: in *Scythia*, it is attested at *Halmyris*⁴, *Histria*⁵, Telița-Valea Morilor⁶ and Telița-Amza⁷. For the eastern part of the Empire there are many analogies, among which Athens⁸, *Thasos*⁹, *Saloniki*¹⁰, *Iatrus*¹¹, Kăshjtjella, Pogradecit¹², Benghazi (*Berenice*)¹³, Karmel¹⁴, Ýaras¹⁵ and Piran¹⁶.

Dating¹⁷: at *Histria*, they were discovered in contexts dated to the second half of the 4th and first half of the 5th c. AD.

CATALOGUE

1. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR5/6) slip; fine calcite and very fine mica particles. Dimensions¹⁸: DMG = 270 mm, DMP = 283 mm, DB = 274 mm, H = 24 mm, GrM = 11 mm. *Histria* 2015, the ACS Sector, context 26004, package 791, no. 150, Fig. 1/1.
2. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/6), red (2.5YR4/6) slip; very fine calcite particles. Dimensions: DMG = 220 mm, DMP = 241 mm, DB = 218 mm, H = 48 mm, GrM = 3.5 mm. *Histria* 2015, the ACS Sector, C011, package 33, no. 6, Fig. 1/2.
3. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR4/8) slip; fine calcite particles. Dimensions: DMG = 240 mm, DMP = 249 mm, DB = 245 mm, H = 23 mm, GrM = 9 mm. *Histria*, the ACS Sector, context 19000, package 179, no. 91, Fig. 1/3.
4. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish brown (5YR5/4), red (2.5YR4/6) slip; very fine mica particles. Dimensions: DMG = 220 mm, DMP = 228 mm, DB = 222 mm, H = 22 mm, GrM = 5 mm. *Histria* 2015, the ACS Sector, context 19002, no. 185, Fig. 1/4.
5. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR4/6) slip; very fine mica particles. Dimensions: DMG = 220 mm, DMP = 236 mm, DB = 235 mm, H = 16 mm, GrM = 5 mm. *Histria* 2015, the ACS Sector, context 24000, package 421, no. 27, Fig. 1/5.
6. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR5/6) slip; very

fine mica particles. Dimensions: DMG = 220 mm, DMP = 236 mm, DB = 226 mm, H = 32 mm, GrM = 11 mm. *Histria* 2015, the ACS Sector, context 25001 (W), package 740, no. 46, Fig. 1/6.

7. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, strong brown (7.5YR5/6), red (2.5YR5/8) slip. Dimensions: DMG = 200 mm, DMP = 212 mm, DB = 200 mm, H = 25 mm, GrM = 7 mm. *Histria* 2015, the ACS Sector, context 24001, package 590, no. 16, Fig. 1/7.
8. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), slip of the same color. Dimensions: DMG = 200 mm, DMP = 208 mm, DB = 197 mm, H = 20 mm, GrM = 7 mm. *Histria* 2015, the ACS Sector, 21000 context, package 110, no. 119, Fig. 1/8.
9. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), yellowish red (5YR4/6) slip; very fine calcite particles. Dimensions: DMG = 200 mm, DMP = 210 mm, DB = 208 mm, H = 25 mm, GrM = 9 mm. *Histria* 2015, the ACS Sector, 21002 context, package 182, no. 108, Fig. 1/9.
10. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish yellow (5YR6/8), red (2.5YR5/8) slip. Dimensions: DMG = 180 mm, DMP = 191 mm, DB = 184 mm, H = 24 mm, GrM = 8 mm. *Histria* 2015, the ACS Sector, 20001 context, package 289, no. 72, Fig. 1/10.
11. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), light red (2.5YR6/8) slip; medium calcite particles. Dimensions: DMG = 160 mm, DMP = 168 mm, DB = 152 mm, H = 25 mm, GrM = 5 mm. *Histria* 2015, the ACS Sector, 22000 context, package 230, no. 80, Fig. 1/11.
12. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR4/6) slip; fine calcite particles. Dimensions: DMG = 200 mm, DMP = 224 mm, DB = 214 mm, H = 30 mm, GrM = 8 mm. *Histria* 2015, the ACS Sector, 19000 context, package 179, no. 152, Fig. 2/1.
13. **Plate.** Fragmentary, upper half of the profile. Uneven oxidant primary burn, fine paste, reddish yellow (5YR6/6), yellowish red (5YR5/6) interior, red (2.5YR5/8 and 2.5YR4/6) slip; very fine mica particles. Dimensions: DMG = 200 mm, DMP = 208 mm, DB = 180 mm, H = 35 mm, GrM = 9 mm. *Histria* 2015, the ACS Sector, 25000 context, package 532, no. 50, Fig. 2/2.
14. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR5/6) slip; very fine mica particles. Dimensions: DMG = 180 mm, DMP = 194 mm, DB = 183 mm, H = 26 mm, GrM = 6 mm. *Histria* 2015, the ACS Sector, context 19000, package 179, no. 147, Fig. 2/3.
15. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR5/8) slip; very fine mica particles. Dimensions: DMG = 180 mm, DMP = 192 mm, DB = 176 mm, H = 30 mm, GrM = 20 mm. *Histria* 2015, the ACS Sector, context 21000, package 65, no. 111, Fig. 2/4.
16. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, strong brown (7.5YR5/6), very dark gray (5YR3/1) slip; very fine mica particles. Dimensions: DMG = 140 mm,

³ Bădescu 2010.

⁴ Opaît 1991a, 163, cat. nos. 255–256, Pl. 41; Opaît 1996, 136, Pl. 56/1; Topoleanu 2000, p. 44–45, cat. nos. 8–18, pl. I/8–9, II/10–13 (dated to the second half of the 4th c. and first half of the 5th c. AD).

⁵ Suceveanu 1982b, p. 84–87, Fig. 7/2, 8/1 (dated to the 4th–5th c. AD); Suceveanu 2007, p. 204, pl. LXXIV/1.

⁶ Baumann 1995, Pl. V/2–3; Opaît 1996, p. 133, Pl. 54/1, 3.

⁷ Baumann 1995, Pl. LXX/3; Opaît 1996, p. 133, Pl. 54/2.

⁸ Hayes 1972, p. 325, Form 1, Pl. 65, type A 1–2, p. 326, type A 1–2 (dated between the end of the 4th and beginning of the 5th c. AD); also see Atlante I, p. 232, tav. CXI/1, 4, 5 (dated between the end of the 4th and beginning of the 5th c. AD).

⁹ Abadie-Reynal, Sordini 1992, p. 18, Form CF 53, CF 55, Pl. 3 (dated between the end of the 4th and beginning of the 5th c. AD).

¹⁰ Hayes 1972, 325, Form 1, Pl. 65, type A 1–2, 326, type A 3 (dated between the end of the 4th and beginning of the 5th c. AD).

¹¹ Böttger 1982, p. 63, Taf. 39/58 (dated between the 4th and the first half of the 5th c. AD).

¹² Anamali 1980, 238, tab. XVI/1, 5 (dated to the 4th–6th c. AD).

¹³ Kenrick 1985, p. 381, Form B686, Pl. 71, B686.1 (dated between the end of the 4th and beginning of the 5th c. AD).

¹⁴ Kuhnen 1989, p. 87–88, Taf. 10/3 (dated between the end of the 4th and beginning of the 5th c. AD).

¹⁵ Uscătescu Barrón 1992, p. 146, Pl. 12/89 (dated between the end of the 5th and beginning of the 6th c. AD).

¹⁶ Perko 1995, p. 242, Abb. I/6, 10 (dated to the 5th c. AD).

¹⁷ See notes 5–6, 9–17.

¹⁸ Abbreviations used in the text: ACS = Acropolis Centre-South; DB = basis diameter; DP = diameter of the foot; DMG = maximum mouth diameter; DMP = maximum preserved diameter; GrM = maximum breadth (for ceramic objects other than vessels); H = preserved height of ceramic fragment; I = preserved breadth of ceramic fragment.

DMP = 156 mm, DB = 150 mm, H = 20 mm, GrM = 9 mm. Histria 2015, the ACS Sector, context 21001, package 291, no. 106, Fig. 2/5.

17. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, semi-fine paste, gray (GLE1-5N), brown (7.5YR4/4) slip; fine and medium calcite particles. Dimensions: DMG = 170 mm, DMP = 176 mm, DB = 172 mm, H = 18 mm, GrM = 6 mm. Histria 2015, the ACS Sector, context 24000, no. 34, Fig. 2/6.
18. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR4/6) and reddish brown (5YR4/3) slip. Dimensions: DMG = 160 mm, DMP = 170 mm, DB = 160 mm, H = 29 mm, GrM = 8 mm. Histria 2015, the ACS Sector, context 21003, package 344, no. 70, Fig. 2/7.
19. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, semi-fine paste, light brownish gray (2.5YR6/2), dusky red (2.5YR3/2) slip. Dimensions: DMG = 160 mm, DMP = 168 mm, DB = 159 mm, H = 21 mm, GrM = 6 mm. Histria 2015, the ACS Sector, context 25000, package 591, no. 57, Fig. 2/8.
20. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, reddish yellow (7.5YR6/6), yellowish red (5YR5/6) slip. Dimensions: DMG = 150 mm, DMP = 158 mm, DB = 152 mm, H = 19 mm, GrM = 7.5 mm. Histria 2015, the ACS Sector, context 25000, package 488, no. 49, Fig. 2/9.
21. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, strong brown (7.5YR4/6), red (2.5YR5/6) slip; very fine mica particles. Dimensions: DMG = 150 mm, DMP = 158 mm, DB = 147 mm, H = 22 mm, GrM = 5 mm. Histria 2015, the ACS Sector, context 22000, package 456, no. 82, Fig. 2/10.
22. **Plate.** Fragmentary, upper half of the profile. Uneven oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR5/8) interior, red (2.5YR5/6) and dark reddish gray (2.5YR3/1) slip; fine calcite particles. Dimensions: DMG = 150 mm, DMP = 163 mm, DB = 150 mm, H = 25 mm, GrM = 5 mm. Histria 2015, the ACS Sector, C018, package 31, no. 1, Fig. 2/11.
23. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, reddish yellow (5YR6/6), red (2.5YR4/6) slip; very fine calcite particles. Dimensions: DMG = 150 mm, DMP = 158 mm, DB = 153 mm, H = 18 mm, GrM = 6 mm. Histria 2015, the ACS Sector, context 19002, package 228, no. 160, Fig. 3/1.
24. **Plate.** Fragmentary, base. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR5/8) slip; medium calcite particles. Dimensions: DP = 120 mm, DMP = 158 mm, H = 15 mm, GrM = 10 mm. Histria 2015, the ACS Sector, context 25000, package 619, no. 59, Fig. 3/2.
25. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR5/6) slip; big calcite particles. Dimensions: DMG = 150 mm, DMP = 156 mm, DB = 150 mm, H = 23 mm, GrM = 5 mm. Histria 2015, the ACS Sector, context 19001, package 339, no. 127, Fig. 3/3.
26. **Plate.** Fragmentary, upper half of the profile. Uneven oxidant primary burn, semi-fine paste, dark grayish brown (10YR4/2), pale yellow (2.5Y7/3) interior, dark grayish brown (10YR4/2) slip on the outer surface and reddish brown slip (5YR5/4) on the inner one; medium iron oxide particles. Dimensions: DMG = 140 mm, DMP = 154 mm, DB = 127 mm, H = 28 mm, GrM = 7 mm. Histria 2015, the ACS Sector, context 19000, package 479, no. 145, Fig. 3/4.
27. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/6), red (2.5YR4/6) slip; very fine mica particles. Dimensions: DMG = 150 mm, DMP = 158 mm, DB = 146 mm, H = 22 mm, GrM = 9 mm. Histria 2015, the ACS Sector, context 19002, package 640, no. 164, Pl. 3/5.
28. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, semi-fine paste, gray (10YR5/1), gray (7.5YR5/3) slip; very small pebbles and

very fine calcite particles. Dimensions: DMG = 140 mm, DMP = 149 mm, DB = 139 mm, H = 17.5 mm, GrM = 8 mm. Histria 2015, the ACS Sector, context 21003, package 344, no. 68, Fig. 3/6.

29. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish yellow (7.5YR6/6), yellowish red (5YR5/6) slip; medium calcite particles. Dimensions: DMG = 140 mm, DMP = 145 mm, DB = 136 mm, H = 20 mm, GrM = 5 mm. Histria 2015, the ACS Sector, context 25000, package 559, no. 52, Fig. 3/7.
30. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish yellow (7.5YR6/6), yellowish red (5YR5/6) slip. Dimensions: DMG = 140 mm, DMP = 142 mm, DB = 127 mm, H = 20 mm, GrM = 4.5 mm. Histria 2015, the ACS Sector, context 22001, package 924, no. 93, Fig. 3/8.
31. **Plate.** Fragmentary, upper half of the profile. Uneven oxidant primary burn, fine paste, yellowish red (5YR5/6), strong brown (7.5YR4/6) interior; medium calcite particles. Dimensions: DMG = 130 mm, DMP = 140 mm, DB = 116 mm, H = 24 mm, GrM = 7 mm. Histria 2015, the ACS Sector, context 19001, package 227, no. 132, Fig. 3/9.
32. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, strong brown (7.5YR4/6), red (2.5YR4/6) slip; very fine mica particles. Dimensions: DMG = 130 mm, DMP = 140 mm, DB = 135 mm, H = 24 mm, GrM = 8 mm. Histria 2015, the ACS Sector, context 25000, package 488, no. 51, Fig. 3/10.
33. **Plate.** Fragmentary, upper half of the profile. Uneven oxidant primary burn, semi-fine paste, grayish brown (10YR5/2), red (2.5YR5/6) interior, very dark gray (2.5YR3/1) slip on the outer surface and dark reddish brown (5YR3/2) on the inner one; very fine calcite particles. Dimensions: DMG = 140 mm, DMP = 144 mm, DB = 125 mm, H = 22 mm, GrM = 4 mm. Histria 2015, the ACS Sector, context 22000, package 456, no. 88, Fig. 3/11.
34. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish yellow (5YR6/8), red (2.5YR5/8) slip; fine calcite particles. Dimensions: DMG = 100 mm, DMP = 108 mm, DB = 96 mm, H = 22 mm, GrM = 4 mm. Histria 2015, the ACS Sector, context 24002, package 731, no. 18, Fig. 3/12.

I.2. HAYES 1 FORM, TYPE B

General description of the type: similar to the previous, with a sharper angle between the rim and the body on the inside.

Area of diffusion: in *Scythia*, it is attested at *Halmyris*¹⁹ and *Histria*²⁰. This type of pottery is also attested at *Thasos*²¹, *Iatrus*²², *Saloniki* and *Abu Mena*²³.

Dating²⁴: at *Histria*, they were discovered in contexts dated to the second half of the 5th c. AD.

CATALOGUE

35. **Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR4/6) slip; big calcite particles. Dimensions: DMG = 220 mm, DMP = 240 mm, DB = 238 mm, H = 30 mm, GrM = 9 mm. Histria 2015, the ACS Sector, context 19005, package 877, no. 124, Fig. 3/13.
36. **Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, strong brown (7.5YR5/6), yellowish red (5YR5/8) slip; fine mica and medium iron oxide particles. Dimensions: DMG = 170 mm, DMP = 176 mm, DB = 164 mm, H = 32 mm, GrM = 8 mm. Histria 2015, the ACS Sector, context 25000, package 559, no. 54, Fig. 4/1.

¹⁹ Opaît 1991a, p. 163, cat. nos. 255–256, Pl. 41; Opaît 1996, p. 136, Pl. 56/1; Topoleanu 2000, p. 44–45, cat. nos. 8–18, pl. I/8–9, II/10–13, 18 (dated to the second half of the 5th c. AD).

²⁰ Suceveanu 1982b, p. 84–87, Fig. 7/1–2, 8/1; Suceveanu 2007, p. 204, pl. LXXIV/1.

²¹ Abadie-Reynal, Sodini 1992, p. 18, Form CF 56 (dated to the second

half of the 7th c. AD (!).

²² Böttger 1982, p. 63, Taf. 39/201 (dated to the 4th c. and first half of the 5th c. AD).

²³ Hayes 1972, p. 325, Form 1, Pl. 65, type B 4 (dated to 400–475); also see *Atlante I*, 232, tav. CXI/2.

²⁴ See notes 19–23.

- 37. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, semi-fine paste, red (2.5YR5/6), very dark gray (7.5YR3/1) slip; fine calcite particles. Dimensions: DMG = 140 mm, DMP = 145 mm, DB = 136 mm, H = 23 mm, GrM = 5 mm. Histria 2015, the ACS Sector, context 19002, package 288, no. 184, Fig. 4/2.
- 38. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish yellow (5YR6/6), yellowish red (5YR5/6) slip. Dimensions: DMG = 130 mm, DMP = 140 mm, DB = 136 mm, H = 27 mm, GrM = 7 mm. Histria 2015, the ACS Sector, context 24000, package 457, no. 33, Fig. 4/3.
- 39. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR5/6) slip; very fine calcite particles. Dimensions: DMG = 130 mm, DMP = 136 mm, DB = 121 mm, H = 26 mm, GrM = 4 mm. Histria 2015, the ACS Sector, C005, package 16, no. 3, Fig. 4/4.
- 40. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, red (2.5YR5/6). Dimensions: DMG = 100 mm, DMP = 114 mm, DB = 110 mm, H = 25 mm, GrM = 6 mm. Histria 2015, the ACS Sector, context 25001, package 903, no. 42, Fig. 4/5.
- 41. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR4/6) slip. Dimensions: DMG = 100 mm, DMP = 104 mm, DB = 93 mm, H = 20 mm, GrM = 4 mm. Histria 2015, the ACS Sector, context 21000, package 65, no. 112, Fig. 4/6.

I.3. HAYES 1 FORM, TYPE C

General description of the type: same general characteristics, but the rim is slightly thickened.

Area of diffusion: in *Scythia*, it is attested only at *Halmyris*²⁵ and *Histria*. The best analogies are to be found in *Athens*²⁶.

Dating²⁷: at *Histria*, they were discovered in contexts dated to the 5th c. AD.

CATALOGUE

- 42. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, very pale brown (10YR7/4), strong brown (7.5YR5/6) slip; medium iron oxide particles. Dimensions: DMG = 170 mm, DMP = 175 mm, DB = 138 mm, H = 30 mm, GrM = 8 mm. Histria 2015, the ACS Sector, C024, package 762, no. 12, Fig. 4/7.

I.4. HAYES 1 FORM, TYPE D

General description of the type: similar to types A and B, but with a smaller diameter.

Area of diffusion: in *Scythia*, it is attested at *Halmyris*²⁸ and *Histria*²⁹. In the eastern part of the Empire, it is attested at *Saloniki*³⁰ and *Benghazi (Berenice)*³¹.

Dating³²: at *Histria*, they were discovered in contexts dated to the second half of the 5th c. and first half of the 6th c. AD.

CATALOGUE

- 43. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR6/6), dark reddish gray (5YR4/2) and red (2.5YR4/6) slip, with fine porosities. Dimensions: DMG = 300 mm, DMP = 301 mm, DB = 284 mm, H = 22 mm, GrM = 6.5 mm. Histria 2015, the ACS Sector, context 24000, package 457, no. 31, Fig. 4/8.
- 44. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), red (2.5YR4/8) slip; fine calcite particles. Dimensions: DMG = 200 mm, DMP = 204 mm, DB = 174 mm, H = 16 mm, GrM = 6 mm. Histria 2015, the ACS Sector, context 19000, package 179, no. 148, Fig. 4/9.
- 45. Plate.** Fragmentary, upper half of the profile. Uneven oxidant primary burn, fine paste, yellowish red (5YR5/6), reddish brown (5YR5/4) interior, yellowish red (5YR5/6) slip; fine calcite and mica particles. Dimensions: DMG = 210 mm, DMP = 216 mm, DB = 198 mm, H = 22 mm, GrM = 6 mm. Histria 2015, the ACS Sector, context 21000, package 110, no. 117, Fig. 4/10.
- 46. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, strong brown (7.5YR5/6), yellowish red (5YR5/6). Dimensions: DMG = 220 mm, DMP = 220 mm, DB = 172 mm, H = 24 mm, GrM = 6 mm. Histria 2015, the ACS Sector, context 24000, package 457, no. 26, Fig. 4/11.
- 47. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR4/8) slip. Dimensions: DMG = 220 mm, DMP = 222 mm, DB = 202 mm, H = 20 mm, GrM = 7 mm. Histria 2015, the ACS Sector, context 22000, package 345, no. 87, Fig. 4/12.
- 48. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, strong brown (7.5YR5/6), light brown (7.5YR6/4) slip. Dimensions: DMG = 180 mm, DMP = 183 mm, DB = 144 mm, H = 28 mm, GrM = 6 mm. Histria 2015, the ACS Sector, context 19002, package 640, no. 167, Fig. 5/1.

II. HAYES 2 FORM, TYPE B

General description of the type: compared to type A, it has a smaller maximum diameter – height ratio (generally the maximum diameter is the same or smaller, but the height is bigger) and a smaller rim.

Area of diffusion: in *Scythia*, it is attested at *Histria*³³, *Capidava*³⁴ and *Babadag-Topraichioi*³⁵. For the eastern part of the Empire, there are analogies at *Athens*³⁶, *Thasos*³⁷, *Benghazi (Berenice)*³⁸ and *Yaras*³⁹.

Dating⁴⁰: at *Histria*, they were discovered in contexts dated to the first half of the 5th c. AD.

²⁵ Topoleanu 2000, 45, cat. nos. 16, p. 294, pl. II/16 (dated to the second half of the 5th c. AD).

²⁶ Hayes 1972, p. 325, Form 1, Pl. 65, type C 6 (dated to the first half of the 5th c. AD); also see Atlante I, 232, tav. CXI/3.

²⁷ See notes 25–26.

²⁸ Topoleanu 2000, p. 45, cat. nos. 17; 294, pl. II/17–18 (dated to the second half of the 5th c. and first half of the 6th c. AD).

²⁹ Suceveanu 1982b?, p. 92, 97–98, Fig. 10/5, 14/3–4 (dated to the 5th c. AD); Suceveanu 1982 a, p. 114, Pl. 14/4, phase II B.

³⁰ Hayes 1972, p. 325–327, Form 1, Pl. 65, type D 7; also see Atlante I, p. 232, tav. CXI/6 (dated to 400–475).

³¹ Kenrick 1985, p. 381, Form B 686, Pl. 71, B 686.3 (dated to the third quarter of the 5th c. AD)

³² See notes 28–31.

³³ Suceveanu 1982a, p. 115, Pl. 15/2 (phase II A–B), Pl. 17/12–15 (phase IV A–B), Pl. 4/1, 3 (phase II B); Suceveanu 1982b, p. 89–92, Fig. 9/6, Fig. 10/22.

³⁴ Opreș 2003, p. 150, cat. nos. 354, pl. LIV/354.

³⁵ Opaît 1991b, p. 260, pl. 42/4; Opaît 1996, p. 135, Pl. 55/5.

³⁶ Hayes 1972, p. 327–328, Form 2, Pl. 66, type A 1–2; also see Atlante I, 232, tav. CXI/7, 8 (dated to 370–450).

³⁷ Abadie-Reynal, Sordini 1992, p. 18–19, Form CF 58, CF 59, Pl. 3 (dated to the end of the 4th and first half of the 5th c. AD).

³⁸ Kenrick 1985, p. 381, Form B687, Pl. 71, B687.1 (dated to the end of the 4th and first half of the 5th c. AD).

³⁹ Uscătescu Barrón 1992, p. 146, Pl. 12/90 (dated to 370–450).

⁴⁰ See notes 33, 36–39.

CATALOGUE

- 49. Plate.** Fragmentary, upper half of the profile. Uneven oxidant primary burn, fine paste, red (2.5YR5/6), brown (7.5YR5/3) interior; very fine mica particles. Dimensions: DMG = 240 mm, DMP = 244 mm, DB = 190 mm, H = 15 mm, GrM = 7 mm. Histria 2015, the ACS Sector, context 20001, package 86, no. 75, Fig. 5/2.
- 50. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR5/8) slip. Dimensions: DMG = 230 mm, DMP = 231 mm, DB = 192 mm, H = 29 mm, GrM = 12 mm. Histria 2015, the ACS Sector, context 24000, package 531, no. 30, Fig. 5/3.

III.1. HAYES 3 FORM, TYPE E

General description of the type: the rim is flat or concave in the lower part and sharpened to the outside, usually delimited from the body by a rib. The rim is decorated *à la roulette* or with black paint, and inside, in the middle of the base, it can have a stamped decoration. This type is characteristic for the passage from the 5th to the 6th c. AD. The most important lot that was published was discovered at *Halmyris* and contained 107 pieces⁴¹.

Area of diffusion: in *Scythia*, it is attested at *Halmyris*⁴², *Histria*⁴³ and *Tropaeum Traiani*⁴⁴. In the eastern part of the Empire, it is also attested in *Moesia Inferior*⁴⁵, as well as at *Delos*, *Corinth*⁴⁶, *Thasos*⁴⁷, *Conimbriga*⁴⁸, *Resafa-Sergiopolis*⁴⁹, *Benghazi (Berenice)*⁵⁰ and *Yaras*⁵¹.

Dating⁵²: at *Histria*, they were discovered in contexts dated to the end of the 5th c. and beginning of the 6th c. AD.

CATALOGUE

- 51. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR5/6) slip; medium and big calcite particles. Dimensions: DMG = 300 mm, DMP = 314 mm, DB = 278 mm, H = 30 mm, GrM = 12.5 mm. Histria 2015, the ACS Sector, context 23000, package 682, no. 13, Fig. 5/4.
- 52. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), yellowish brown (10YR5/4) and black (7.5YR2.5/1) slip; medium and big calcite particles. Dimensions: DMG = 280 mm, DMP = 288 mm, DB = 264 mm, H = 22 mm, GrM = 11 mm. Histria 2015, the ACS Sector, context 25000, package 541, no. 61, Fig. 5/5.
- 53. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR5/8) slip; medium calcite particles. Dimensions: DMG = 280 mm, DMP = 285 mm, DB = 243 mm, H = 27 mm, GrM = 12 mm. Histria 2015, the ACS Sector, context 19002, package 257, no. 173, Fig. 5/6.
- 54. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8); fine calcite particles.

Dimensions: DMG = 250 mm, DMP = 256 mm, DB = 222 mm, H = 23 mm, GrM = 15 mm. Histria 2015, the ACS Sector, context 24000, package 385, no. 35, Fig. 5/7.

- 55. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR4/8) slip; very fine calcite particles. Dimensions: DMG = 250 mm, DMP = 262 mm, DB = 234 mm, H = 30 mm, GrM = 8 mm. Histria 2015, the ACS Sector, context 24000, package 457, no. 28, Fig. 5/8.
- 56. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8); very fine and fine calcite particles. Dimensions: DMG = 250 mm, DMP = 260 mm, DB = 224 mm, H = 28 mm, GrM = 10 mm. Histria 2015, the ACS Sector, context 19000, package 137, no. 139, Fig. 5/9.
- 57. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), slip of the same color; very fine calcite particles. Dimensions: DMG = 240 mm, DMP = 254 mm, DB = 213 mm, H = 31 mm, GrM = 14 mm. Histria 2015, the ACS Sector, context 19001, package 227, no. 129, Fig. 5/10.
- 58. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), slip of the same color; fine and medium calcite particles. Dimensions: DMG = 220 mm, DMP = 245 mm, DB = 224 mm, H = 32 mm, GrM = 14 mm. Histria 2015, the ACS Sector, context 25000, package 458, no. 64, Fig. 5/11.
- 59. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/6); medium calcite particles. Dimensions: DMG = 220 mm, DMP = 228 mm, DB = 195 mm, H = 25 mm, GrM = 11 mm. Histria 2015, the ACS Sector, context 19000, package 137, no. 146, Fig. 6/1.
- 60. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR4/6) slip; fine and medium calcite particles. Dimensions: DMG = 230 mm, DMP = 238 mm, DB = 199 mm, H = 26 mm, GrM = 9 mm. Histria 2015, the ACS Sector, context 19002, package 215, no. 181, Fig. 6/2.
- 61. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), slip of the same color; medium calcite particles. Dimensions: DMG = 210 mm, DMP = 216 mm, DB = 175 mm, H = 28 mm, GrM = 16 mm. Histria 2015, the ACS Sector, context 25000, package 532, no. 60, Fig. 6/3.
- 62. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR4/6) slip; fine and medium calcite particles. Dimensions: DMG = 200 mm, DMP = 215 mm, DB = 183 mm, H = 39 mm, GrM = 10 mm. Histria 2015, the ACS Sector, context 19002, package 588, no. 157, Fig. 6/4.
- 63. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), slip of the same color; very fine mica particles. Dimensions: DMG = 150 mm, DMP = 158 mm, DB = 129 mm, H = 22 mm, GrM = 10 mm. Histria 2015, the ACS Sector, context 19001, package 138, no. 130, Fig. 6/5.
- 64. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR5/6) slip; fine and medium calcite particles. Dimensions: DMG = 140 mm, DMP = 144 mm, DB = 118 mm, H = 17 mm, GrM = 13 mm. Histria 2015, the ACS Sector, context 21001, package 343, no. 109, Fig. 6/6.

⁴¹ Topoleanu 2000, p. 50–51.

⁴² Opaît 1991a, p. 164, cat. no. 265–266, Pl. 42/265–266; Opaît 1996, p. 137, Pl. 57/7; Topoleanu 2000, p. 50–51, cat. nos. 39–46, pl. IV–V/39–46 (dated to the second half of the 5th c. and 6th c. AD).

⁴³ Suceveanu 1982b, p. 91–92, Fig. 10/12, 13; p. 98–99, Fig. 14/16 (dated to the end of the 6th c. AD).

⁴⁴ Bogdan-Cătănciu, Barnea 1979, p. 189, Pl. 167/2(6).

⁴⁵ Minčev 1982, 26, no. 14, Pl. IV/14 (dated to the end of the 5th and beginning of the 6th c. AD).

⁴⁶ Hayes 1972, p. 331–332, Form 3, Pl. 68, type E 14–16 (dated to the end of the 5th and beginning of the 6th c. AD); see also Atlante I, p. 232, tav. CXII/6–8.

⁴⁷ Abadie-Reynal, Sodini 1992, p. 20–21, Form CF 77–CF 81, Pl. 3, 4 (dated to the 6th c. AD).

⁴⁸ Delgado 1975, p. 287, 290, Pl. LXXVII–LXXVIII /187–189 (dated to the end of the 5th and beginning of the 6th c. AD).

⁴⁹ Mackensen 1984, p. 66, Taf. 13/10, 80, Taf. 22/25 (dated between 475 and the beginning of the 6th c. AD).

⁵⁰ Kenrick 1985, p. 382, Form B688.11–688.13, Pl. 71 (dated to the end of the 5th and first quarter of the 6th c. AD).

⁵¹ Uscătescu Barrón 1992, p. 146, Pl. 14/111 (dated to the end of the 5th c. AD).

⁵² See notes 42–51.

III.2. HAYES 3 FORM, TYPE F

General description of the type: compared to the previous type, it has a lower rim that, in many cases, is separated from the body by a rib. They are decorated *à la roulette*, with black paint and have circular incisions on the outside.

Area of diffusion: in Scythia, it is attested at *Halmyris*⁵³, *Histria*⁵⁴, Babadag - Topraichioi⁵⁵, *Libida*⁵⁶, *Tropaeum Traiani*⁵⁷ and *Capidava*⁵⁸. There are many analogies in other areas of the Empire, among which: *Moesia Inferior*⁵⁹, *Athens*⁶⁰, *Cotinth*⁶¹, *Thasos*⁶², *Nicopolis*⁶³, *Sardis*⁶⁴, *Alexadria*⁶⁵, *Resafa-Sergiupolis*⁶⁶, *Benghazi (Berenice)*⁶⁷, *Yaras*⁶⁸, *Karmel*⁶⁹, *Conimbriga*⁷⁰ and *Piran*⁷¹.

At the beginning of the 6th c. AD it is best attested in the eastern provinces of the Empire and in many centres in *Moesia Inferior*. The most important published lot was discovered in *Halmyris* in *Scythia Minor* and contains/contained 101 fragments⁷².

Dating⁷³: at *Histria*, they were discovered in contexts dated to the beginning of the 6th c. AD.

CATALOGUE

- 65. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/6), red (2.5YR4/6) slip; very fine and fine calcite particles. Dimensions: DMG = 250 mm, DMP = 260 mm, DB = 207 mm, H = 33 mm, GrM = 14 mm. *Histria* 2015, the ACS Sector, context 19002, package 228, no. 159, Fig. 6/7.
- 66. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR5/6) slip; very fine mica particles. Dimensions: DMG = 250 mm, DMP = 254 mm, DB = 250 mm, H = 25 mm, GrM = 8 mm. *Histria* 2015, the ACS Sector, context 19002, package 588, no. 177, Fig. 6/8.
- 67. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8); very fine calcite particles. Dimensions: DMG = 200 mm, DMP = 212 mm, DB = 189 mm, H = 22

mm, GrM = 10 mm. *Histria* 2015, the ACS Sector, context 19002, package 288, no. 172, Fig. 6/9.

- 68. Plate.** Fragmentary, rim. Uneven oxidant primary burn, fine paste, red (2.5YR5/6), reddish brown (5YR5/4) interior, red (2.5YR5/6) slip; very fine and fine calcite particles. Dimensions: DMG = 150 mm, DMP = 164 mm, DB = 134 mm, H = 19 mm, GrM = 12 mm. *Histria* 2015, the ACS Sector, context 21002, package 381, no. 107, Fig. 6/10.

III.3. HAYES 3 FORM, TYPE G

General description of the type: the rim is narrow and thick, straight or convex on the outside and concave on the inside. Low, ring-like base, sometimes painted with black paint or kaolin-like white on the outside.

Area of diffusion: in *Scythia*, it is attested only at *Halmyris*⁷⁴, *Histria*⁷⁵ and *Libida*⁷⁶. Only 20 fragments were published from *Halmyris*, of which only one with a complete profile⁷⁷. It is attested also at *Thasos*⁷⁸, *Samos*, *Heraion*⁷⁹, *Benghazi (Berenice)*⁸⁰ and *Resafa-Sergiupolis*⁸¹, **Dating**⁸²: at *Histria*, they were discovered in contexts dated to the 6th c. AD.

CATALOGUE

- 69. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/6), red (2.5YR4/8) slip; very fine and fine calcite particles. Dimensions: DMG = 250 mm, DMP = 254 mm, DB = 214 mm, H = 25 mm, GrM = 14 mm. *Histria* 2015, the ACS Sector, context 19001, package 255, no. 137, Fig. 6/11.
- 70. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR5/6) slip; fine calcite particles. Dimensions: DMG = 220 mm, DMP = 230 mm, DB = 185 mm, H = 28 mm, GrM = 14 mm. *Histria* 2015, the ACS Sector, context 19002, package 108, no. 191, Fig. 7/1.
- 71. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/6); very fine calcite particles. Dimensions: DMG = 210 mm, DMP = 223 mm, DB = 192 mm, H = 31 mm, GrM = 12 mm. *Histria* 2015, the ACS Sector, context 19002, package 84, no. 187, Fig. 7/2.

⁵³ Opaïț 1991a, p. 164, cat. nos. 252, 267–268, Pl. 41/252, 42/267 (levels N9 – 12; 5th–6th c. AD); Opaïț 1996, p. 137, Pl. 57/8; Topoleanu 2000, pl. V–VI/47–56.

⁵⁴ Suceveanu 1982b, p. 91–92, Fig. 10/16; p. 98–99, Fig. 14/17 (dated to the 6th and beginning of the 7th c. AD); Suceveanu 2007, p. 205–206, pl. LXXIV/4–14.

⁵⁵ Opaïț 1991b, Pl. 41/4–5.

⁵⁶ Opaïț 1991c, p. 26, Pl. 4/5, 33, Pl. 7/45, 35, Pl. 8/64 (dated to the first half of the 6th c. AD).

⁵⁷ Bogdan-Cătănciu, Barnea 1979, p. 185, Pl. 156/2(1).

⁵⁸ Opriș 2003, pl. LIV/359–361.

⁵⁹ Minčev 1982, p. 28, no. 21–22, 24, Pl. I, IV (dated to the 6th c. AD).

⁶⁰ Hayes 1972, p. 331, 333–335, Form 3, Pl. 69, type F 17, 19, 23, 25 (dated to the first half of the 6th c. AD); see also Atlante I, p. 232, tav. CXII/9–11, tav. CXIII/1–2.

⁶¹ Hayes 1972, p. 331, 333–335, Form 3, Pl. 69, type F 24 (dated to the first half of the 6th c. AD); Williams, Zervos 1982, p. 137, no. 65, Pl. 2 (dated to the 6th c. AD).

⁶² Abadie-Reynal, Sodini 1992, p. 21–23, Form CF 82–CF 103, Pl. 5–7 (dated to the 5th–7th c. AD).

⁶³ Kuzmanov 1993, p. 36, Pl. 2/b (dated to the first half of the 6th c. AD).

⁶⁴ Crawford 1990, p. 81, Pl. 514 (dated to the 6th c. AD).

⁶⁵ Rodziewicz 1976, p. 40, Form C1, Pl. 8 (dated to the 5th–7th c. AD).

⁶⁶ Mackensen 1984, p. 64, Taf. 11/2–4, 74, Taf. 16/29, Taf. 17/10, 75, Taf. 17/14–17, 76, Taf. 19/3, 8, 9 (dated to the first half of the 6th c. AD).

⁶⁷ Kenrick 1985, p. 382–383, Form B688.14–688.18, Pl. 71 (dated to the first half of the 6th c. AD).

⁶⁸ Uscătescu Barrón 1992, p. 147, Pl. 13/94–103, Pl. 14/104–109, 112–113 (dated to the 6th c. AD).

⁶⁹ Kuhnen 1989, p. 88, Taf. 10/6 (dated to the 6th c. AD).

⁷⁰ Delgado 1975, p. 287–288, 291, Pl. LXXVIII/193 (dated to the 6th c. AD).

⁷¹ Perko 1995, p. 242, Abb. 1/1 (dated to the first half of the 6th c. AD).

⁷² Topoleanu 2000, p. 51.

⁷³ See notes 53–54, 56, 59–71.

⁷⁴ Opaïț 1991a, p. 164, cat. nos. 269–273, Pl. 42/269, 44/270–273; Opaïț 1996, p. 137, Pl. 57/9; Topoleanu 2000, p. 53, cat. nos. 57–62, pl. VI/57–62 (dated to the 6th c. AD).

⁷⁵ Suceveanu 2007, p. 206, pl. LXXIV/15–16.

⁷⁶ Opaïț 1991c, p. 26, Pl. 4/6 (dated to the second quarter of the 6th c. AD).

⁷⁷ Topoleanu 2000, p. 53.

⁷⁸ Abadie-Reynal, Sodini 1992, p. 23, Form CF 104, Pl. 7 (dated to the 6th c. AD).

⁷⁹ Hayes 1972, p. 335, Form 3, type G, unillustrated (dated to the second quarter of the 6th c. AD); see also Atlante I, p. 232, unillustrated.

⁸⁰ Kenrick 1985, p. 383, Form B688.19, Pl. 71 (dated to the second quarter of the 6th c. AD).

⁸¹ Mackensen 1984, p. 64, Taf. 11/4, 74, Taf. 16/27, 75, Taf. 17/18–22, 24, 76, Taf. 19/4 (dated to the first half of the 6th c. AD).

⁸² See notes 74, 76, 78–81.

72. Plate. Fragmentary, base. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), slip of the same color; very fine mica particles. Dimensions: DP = 150 mm, DMP = 160 mm, H = 10 mm, GrM = 10 mm. Histria 2015, the ACS Sector, context 19002, package 615, no. 195, Fig. 7/3.

IV. HAYES 408-410 FORM, PL. 92/4

General description of the type: wide, horizontal rim decorated *à la roulette*, with parallel wave-like incisions. Fine, light paste. Slightly curved body walls, similar to those of form Hayes 5. The shape of the rim, the quality of the paste and of the glaze provide as the closest analogy a pottery group dated to 408–410⁸³.

Area of diffusion: in *Scythia Minor*, it is attested at *la Halmyris*⁸⁴, *Histria*⁸⁵, Babadag-Topraichioi⁸⁶ and *Tropaeum Traiani*⁸⁷. Even if it is more rare in the Empire's eastern part, it was discovered at *Constantinople*, *Pergamon*, *Abu Mena*⁸⁸.

Origin: it was, most probably, produced at *Knidos*. The fragments from *Halmyris* can be variants of a still unknown centre⁸⁹.

Dating: at *Histria*, they were discovered in contexts dated to the 5th c. AD.

CATALOGUE

73. Plate. Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish brown (2.5YR5/4), yellowish red (5YR5/6) slip; medium and big calcite particles. Dimensions: DMG = 180 mm, DMP = 188 mm, DB = 173 mm, H = 17 mm, GrM = 8 mm. Histria 2015, the ACS Sector, context 25000, package 591, no. 55, Fig. 7/4.

74. Plate. Fragmentary, upper half of the profile. Uneven oxidant primary burn, fine paste, red (2.5YR5/8), yellowish red (5YR5/6) interior, dark reddish gray (5YR4/2) and red (2.5YR5/6) slip; medium and big calcite particles. Dimensions: DMG = 160 mm, DMP = 174 mm, DB = 164 mm, H = 18 mm, GrM = 10 mm. Histria 2015, the ACS Sector, context 25000, package 619, no. 53, Fig. 7/5.

75. Plate. Fragmentary, rim. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6); medium calcite and fine iron oxide particles. Dimensions: DMG = 120 mm, DMP = 156 mm, DB = 128 mm, H = 11 mm, GrM = 19 mm. Histria 2015, the ACS Sector, context 19002, package 588, no. 176, Fig. 7/6.

V. HAYES 6 FORM

General description of the type: the rim is thickened to the outside, flat or slightly concave in the upper part, separated from the curved body by a fine rib or incision.

Area of diffusion: in *Scythia*, it is attested at *Halmyris*⁹⁰, *Histria*⁹¹ and Babadag-Topraichioi⁹². Florin Topoleanu believes that an Oriental variant was identified at *Halmyris*, with a horizontal rim, elongated inwards⁹³. It is also attested at *Lechaion*⁹⁴.

Dating⁹⁵: at *Histria*, it was discovered in contexts dated to the end of the 5th and beginning of the 6th c. AD.

CATALOGUE

76. Plate. Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR4/6) and dark reddish gray (2.5YR3/1) slip; fine and big calcite particles. Dimensions: DMG = 200 mm, DMP = 233 mm, DB = 186 mm, H = 25 mm, GrM = 17 mm. Histria 2015, the ACS Sector, context 25001 (E), package 880, no. 43, Fig. 7/7.

VI. HAYES 8 FORM

General description of the type: horizontal rim, with the outside margin oriented downwards, slightly concave in the upper part. The rim is separated, on the inside, from the body by a prominent rib. The walls are curved and the outside face of the rim is decorated with fine grooves.

Area of diffusion: in *Scythia*, it is attested at *Halmyris*⁹⁶ and *Histria*⁹⁷. It is also attested at Athens⁹⁸ and Benghazi (*Berenice*)⁹⁹.

Dating¹⁰⁰: at *Histria*, they were discovered in contexts dated to the second half of the 5th and first half of the 6th c. AD. The date proposed for the five fragments of Form 8 discovered at *Halmyris* is the same as the one put forward by Hayes.

CATALOGUE

77. Plate. Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish yellow (5YR6/8), red (2.5YR5/8) slip; very fine and fine mica particles. Dimensions: DMG = 170 mm, DMP = 190 mm, DB = 112 mm, H = 32 mm, GrM = 11 mm. Histria 2015, the ACS Sector, context 23000, package 617, no. 9, Fig. 7/8.

⁸³ Topoleanu 2000, p. 55.

⁸⁴ Opaïț 1991a, p. 166, cat. nos. 308–309, 312–313, Pl. 45/308, 309, 313; Opaïț 1996, p. 141, Pl. 60/3–5; Topoleanu 2000, p. 54–55, cat. nos. 65–71, pl. VII/65–69, VIII/70–71.

⁸⁵ Suceveanu 1982a, p. 98, Pl. 4/2 (phase II B).

⁸⁶ Opaïț 1991b, p. 230, pl. 41/2; Opaïț 1996, p. 141, Pl. 60/2.

⁸⁷ Bogdan-Cătănciu, Barnea 1979, p. 187, Pl. 161/2(13)–2(15).

⁸⁸ Hayes 1972, p. 408–410, Pl. 92/1 (dated to the 3rd quarter of the 5th c. AD); see also Atlante I, p. 232, tav. CXVII/42 (5th c. AD).

⁸⁹ Topoleanu 2000, p. 55.

⁹⁰ Opaïț 1991a, 164, cat. nos. 277–278, Pl. 43/277–278; Opaïț 1996, p. 138, Pl. 58/3–4; Topoleanu 2000, p. 59, cat. nos. 92; pl. X/90–93 (dated to the second half of the 5th c. and the first half of the 6th c. AD).

⁹¹ Suceveanu 1982b, p. 89–90, Fig. 9/4; 98–99, Fig. 14/18–20.

⁹² Opaïț 1991b, p. 230, pl. 42/6.

⁹³ Topoleanu 2000, p. 59.

⁹⁴ Hayes 1972, p. 340–341, Form 6, Pl. 70/7:1–2 (dated between 525 and the end of the 6th c. AD); see also Atlante I, p. 232, tav. CXIV/9, 11 (dated to the second half of the 5th c. AD).

⁹⁵ See notes 90, 94.

⁹⁶ Opaïț 1991a, p. 164, cat. nos. 279, Pl. 43/279; Opaïț 1996, p. 138, Pl. 58/5; Topoleanu 2000, p. 59–60, cat. nos. 94–98, pl. X/94–98 (dated to the second half of the 5th c. and the first half of the 6th c. AD).

⁹⁷ Suceveanu 1982b, p. 84, 86, Fig. 7/5; 99–100, Fig. 15/33–35.

⁹⁸ Hayes 1972, p. 340, 342, Form 8, Pl. 70/1, 2 (dated to the second half of the 5th c. AD, possibly slightly later); see also Atlante I, p. 232, tav. CXIV/9, 11 (dated to the second half of the 5th c. AD).

⁹⁹ Kenrick 1985, p. 385, Form B690, Pl. 71 (dated to the second half of the 5th c. AD).

¹⁰⁰ See notes 96, 98–99.

VII.1. HAYES 10 FORM, TYPE A

General description of the type: massive, square-section rim.

Decoration analogies: *Histria*¹⁰¹, *Tomis*¹⁰², *Alexadria*¹⁰³, Athens, Antioch, Corfu, Abu Mena, Bethany and Beth-Shan¹⁰⁴.

General analogies: in *Scythia Minor*, it is attested at *Histria*¹⁰⁵, *Tomis*¹⁰⁶, *Halmyris*¹⁰⁷ Capidava¹⁰⁸ and *Tropaeum Traiani*¹⁰⁹. It was also identified at *Syria*¹¹⁰, *Cyrenaica* (Tocra)¹¹¹ and *Alexadria*¹¹².

Dating¹¹³: at *Histria*, they were discovered in contexts dated to the 6th c. AD.

CATALOGUE

78. Plate. Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), slip of the same color; very fine and fine calcite particles. Dimensions: DMG = 220 mm, DMP = 222 mm, DB = 180 mm, H = 25 mm, GrM = 12 mm. *Histria* 2015, the ACS Sector, context 19001, package 63, no. 134, Fig. 7/9.

79. Plate. Fragmentary, lower half of the profile. Uniform oxidant primary burn, fine paste, reddish yellow (5YR6/6), red (2.5YR5/8) slip; fine calcite particles. Dimensions: DP = 180 mm, DMP = 209 mm, H = 16 mm, GrM = 10 mm. *Histria* 2015, the ACS Sector, context 21000, package 110, no. 118, Fig. 7/10.

80. Plate. Fragmentary, rim. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), red (2.5YR5/6) slip. Dimensions: DMG = 210 mm, DMP = 218 mm, DB = 196 mm, H = 16 mm, GrM = 7 mm. *Histria* 2015, the ACS Sector, context 24000, package 487, no. 29, Fig. 7/11.

VII.2. HAYES 10 FORM, TYPE B/7

General description of the type: rim rounded in the upper part, sometimes with a lower inferior margin.

Area of diffusion: in *Scythia Minor*, it is attested only at *Histria*¹¹⁴ and *Halmyris*¹¹⁵. For the eastern part of the Empire, there are analogies at Athens¹¹⁶, *Thasos*¹¹⁷ and *Resafa-Sergiopolis*¹¹⁸.

Dating¹¹⁹: at *Histria*, they were discovered in contexts dated to the 6th and beginning of the 7th c. AD.

CATALOGUE

81. Plate. Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/6), reddish brown (5YR4/4) slip; fine calcite particles. Dimensions: DMG = 350 mm, DMP = 354 mm, DB = 286 mm, H = 23 mm, GrM = 12.2 mm. *Histria* 2015, the ACS Sector, context 23000, package 617, no. 14, Fig. 8/1.

82. Plate. Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR5/8) slip; very fine iron oxide particles. Dimensions: DMG = 280 mm, DMP = 288 mm, DB = 216 mm, H = 28 mm, GrM = 13 mm. *Histria* 2015, the ACS Sector, context 25000, package 257, no. 66, Fig. 8/2.

83. Plate. Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, brown (7.5YR4/3), red (10R4/4) slip; fine and big calcite particles. Dimensions: DMG = 280 mm, DMP = 286 mm, DB = 236 mm, H = 23 mm, GrM = 13 mm. *Histria* 2015, the ACS Sector, C019, package 380, no. 141, Fig. 8/3.

VII.3. HAYES 10 FORM, TYPE C

General description of the type: the rim is elongated, flat or concave in the upper part.

Area of diffusion: in *Scythia Minor*, it is attested only at *Histria*¹²⁰ and *Halmyris*¹²¹. In the Empire's eastern part, it was discovered at Chios (*Emporio*)¹²², *Thasos*¹²³, Benghazi (*Berenice*)¹²⁴ and *Resafa-Sergiopolis*¹²⁵.

Dating¹²⁶: at *Histria*, they were discovered in contexts dated to the end of the 6th, beginning of the 7th c. AD.

¹⁰¹ Popescu 1965, p. 706, Pl. 6 (dated to the 6th c. AD).

¹⁰² Papuc 1973, p. 177, Pl. 16/5–7 (dated to 470–580).

¹⁰³ Rodziewicz 1976, p. 39, Pl. IX/CK, C1 (dated between the 5th and the first half of the 7th c. AD).

¹⁰⁴ Hayes 1972, p. 361, motive 48, Pl. 77/f (dated to 470–580); see also Atlante I, p. 232, tav. CXVI/35 (dated to 520–600).

¹⁰⁵ Popescu 1965, p. 706, Pl. 6 (dated to the 6th c. AD); Suceveanu 1982b, 91–92, Fig. 10/8, 11; Suceveanu 1982a, Pl. 17/8–9, (level IVA–B, 6th–7th c. AD); Suceveanu 2007, p. 206, pl. LXXIV/17–19.

¹⁰⁶ Papuc 1973, p. 177, Pl. 16/5–7 (dated to 470–580).

¹⁰⁷ Opaît 1991a, p. 164, cat. nos. 280–283, Pl. 43/280–283; Opaît 1996, p. 138, Pl. 58/6; Topoleanu 2000, pl. XI/100–103 (level N10–12, 6th – beginning of 7th c. AD); Topoleanu 1996, p. 148–149, cat. no. 24, Pl. V (decoration type II, animal decorations).

¹⁰⁸ Opraş 2003, p. 152, nos. 367, 369–370, pl. LV/367, 369–370.

¹⁰⁹ Bogdan-Cătănciu, Barnea 1979, p. 189, Pl. 167/2(1).

¹¹⁰ Waagé 1948, Pl. 33.

¹¹¹ Hayes 1972, p. 343–346, Form 10, Pl. 71, type A 1 (dated to the end of the 6th – beginning of the 7th c. AD); see also Atlante I, p. 232, pl. CXIII/9, for the form of the recipient (dated between 570 and the beginning of the 7th c. AD) and 232, pl. CXVI/35, for the stamp (dated to 520–600).

¹¹² Rodziewicz 1976, p. 39, pl. 9/Ck, CI (dated to the 6th and first half of the 7th c. AD); similar decoration in the African ware.

¹¹³ See notes 105–107, 111–112.

¹¹⁴ Suceveanu 1982b, p. 98–99, Fig. 14/10–11; Suceveanu 1982a, p. 99, Pl. 4/1, phase IV A–B.

¹¹⁵ Topoleanu 2000, p. 61–62, cat. nos. 104–105, pl. XI/104–105 (dated

to the 6th and beginning of the 7th c. AD).

¹¹⁶ Waagé 1933, pl. XI, 949 a (dated to the 6th–7th c. AD); Hayes 1972, p. 343–344, Form 10, Pl. 71, type B 7 (dated to the end of the 6th and beginning of the 7th c. AD); see also Atlante I, p. 232, tav. CXIII/13 (dated between 570 and the beginning of the 7th c. AD).

¹¹⁷ Abadie-Reynal, Sodini 1992, p. 24, Form CF 114 (dated to 650–700).

¹¹⁸ Mackensen 1984, p. 44–46, 73, FP 22.10, Taf. 16/13, 74, FP72/3–6, Taf. 17/4, 75, FP 73, 47–52, Taf. 18/3, 17/28 (dated between 570 and the beginning of the 7th c. AD).

¹¹⁹ See notes 115–118.

¹²⁰ Popescu 1965, p. 712, Pl. 14 (dated to the second half of the 6th c. AD); Suceveanu 1982b, p. 101, 103, Fig. 17/1–4, 6; Suceveanu 1982b, p. 91–92, Fig. 10/7, 9–10; p. 98–99, Fig. 14/12–15; Suceveanu 2007, p. 207, pl. LXXIV/20.

¹²¹ Opaît 1991a, p. 165, cat. no. 286, Pl. 43/284, 286; Topoleanu 2000, p. 62, cat. no. 106; 303, pl. XI/106 (dated to the end of 6th and beginning of the 7th c. AD).

¹²² Hayes 1972, p. 343–345, Form 10, Pl. 71, type C 11–15 (dated to the first half of the 7th c. AD); see also Atlante I, p. 232, tav. CXIII/14–18 (dated to the first half of the 7th c. AD).

¹²³ Abadie-Reynal, Sodini 1992, p. 25, Form CF 115, Pl. 8 (dated to 650–700).

¹²⁴ Kenrick 1985, p. 385, Form B 691.4, Pl. 71 (dated to the first half of the 7th c. AD).

¹²⁵ Mackensen 1984, p. 44–46, 74, FP 72, 7–11, Taf. 17/5, 11–2, 75, FP 73, 53–61, Taf. 18/4–5 (dated to the first half of the 7th c. AD).

¹²⁶ See notes 120, 122–125.

CATALOGUE

- 84. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, red (2.5YR5/8), slip of the same color; very fine mica particles. Dimensions: DMG = 300 mm, DMP = 302 mm, DB = 260 mm, H = 15 mm, GrM = 8 mm. Histria 2015, the ACS Sector, context 24000, package 457, no. 38, Fig. 8/4.
- 85. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/8); very fine calcite particles. Dimensions: DMG = 300 mm, DMP = 304 mm, DB = 253 mm, H = 24 mm, GrM = 9 mm. Histria 2015, the ACS Sector, context 19002, package 615, no. 189, Fig. 8/5.
- 86. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, reddish yellow (5YR6/8), red (2.5YR5/8) slip. Dimensions: DMG = 250 mm, DMP = 260 mm, DB = 232 mm, H = 26 mm, GrM = 13 mm. Histria 2015, the ACS Sector, context 25000, package 488, no. 65, Fig. 8/6.
- 87. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/6), slip of the same color; fine and medium calcite particles. Dimensions: DMG = 250 mm, DMP = 258 mm, DB = 217 mm, H = 26.5 mm, GrM = 12 mm. Histria 2015, the ACS Sector, context 19001, package 289, no. 128, Fig. 8/7.
- 88. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, yellowish red (5YR5/8), red (2.5YR5/6) slip on the outer surface and light reddish brown (5YR6/4) on the inner one; fine and medium iron oxide particles. Dimensions: DMG = 230 mm, DMP = 240 mm, DB = 203 mm, H = 34.5 mm, GrM = 11 mm. Histria 2015, the ACS Sector, context 19001, package 256, no. 135, Fig. 8/8.
- 89. Plate.** Fragmentary, rim. Uniform oxidant primary burn, fine paste, red (2.5YR5/8); fine calcite particles. Dimensions: DMG = 200 mm, DMP = 206 mm, DB = 154 mm, H = 19 mm, GrM = 12 mm. Histria 2015, the ACS Sector, context 25000, package 489, no. 56, Fig. 8/9.
- 90. Plate.** Fragmentary, upper half of the profile. Uniform oxidant primary burn, fine paste, red (2.5YR5/6), red (2.5YR4/6) slip; very fine calcite particles. Dimensions: DMG = 200 mm, DMP = 203 mm, DB = 179 mm, H = 23 mm, GrM = 6.5 mm. Histria 2015, the ACS Sector, context 20000, package 288, no. 78, Fig. 8/10.

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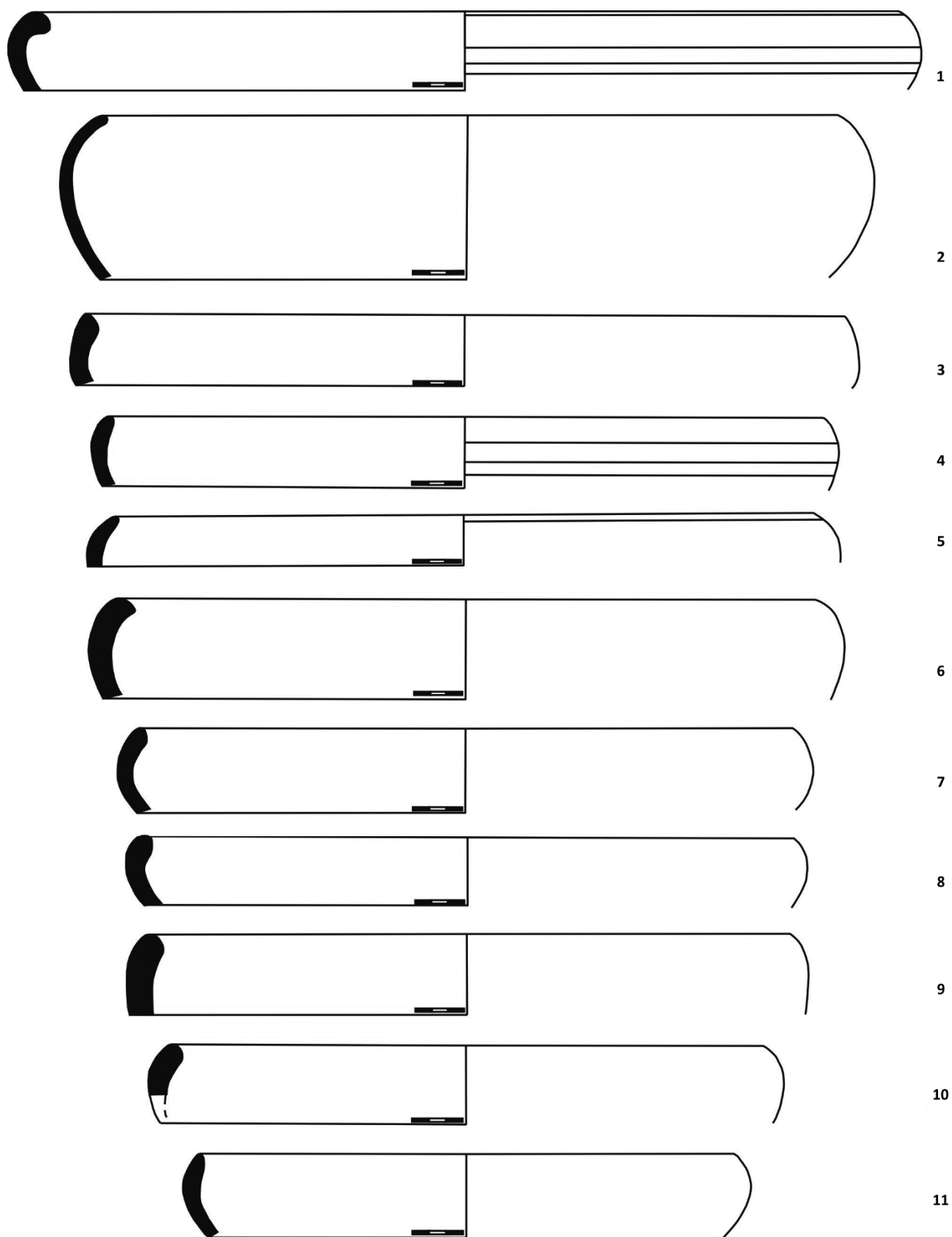


Fig. 1. Hayes 1 form, type A.

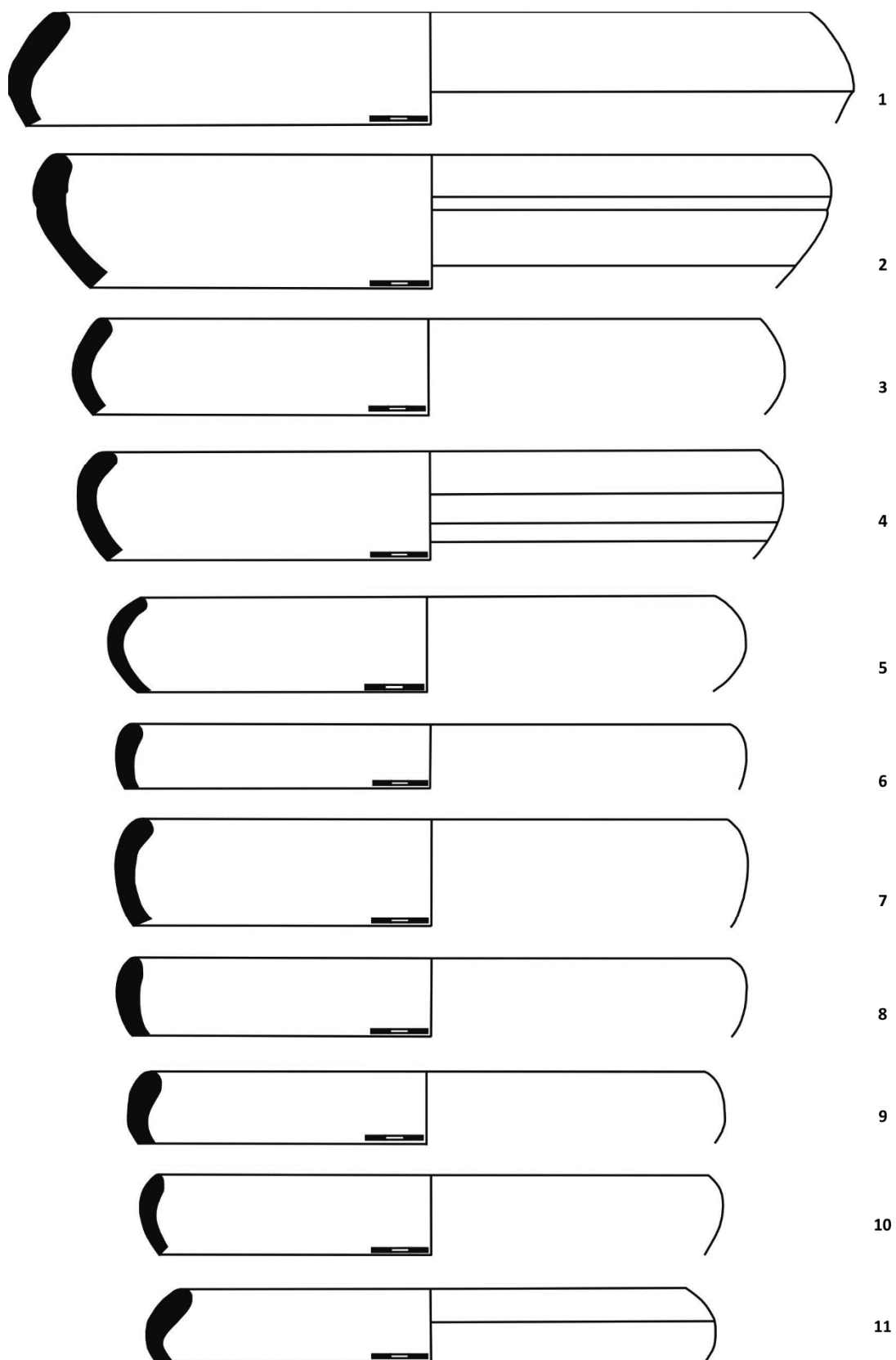


Fig. 2. Hayes 1 form, type A.

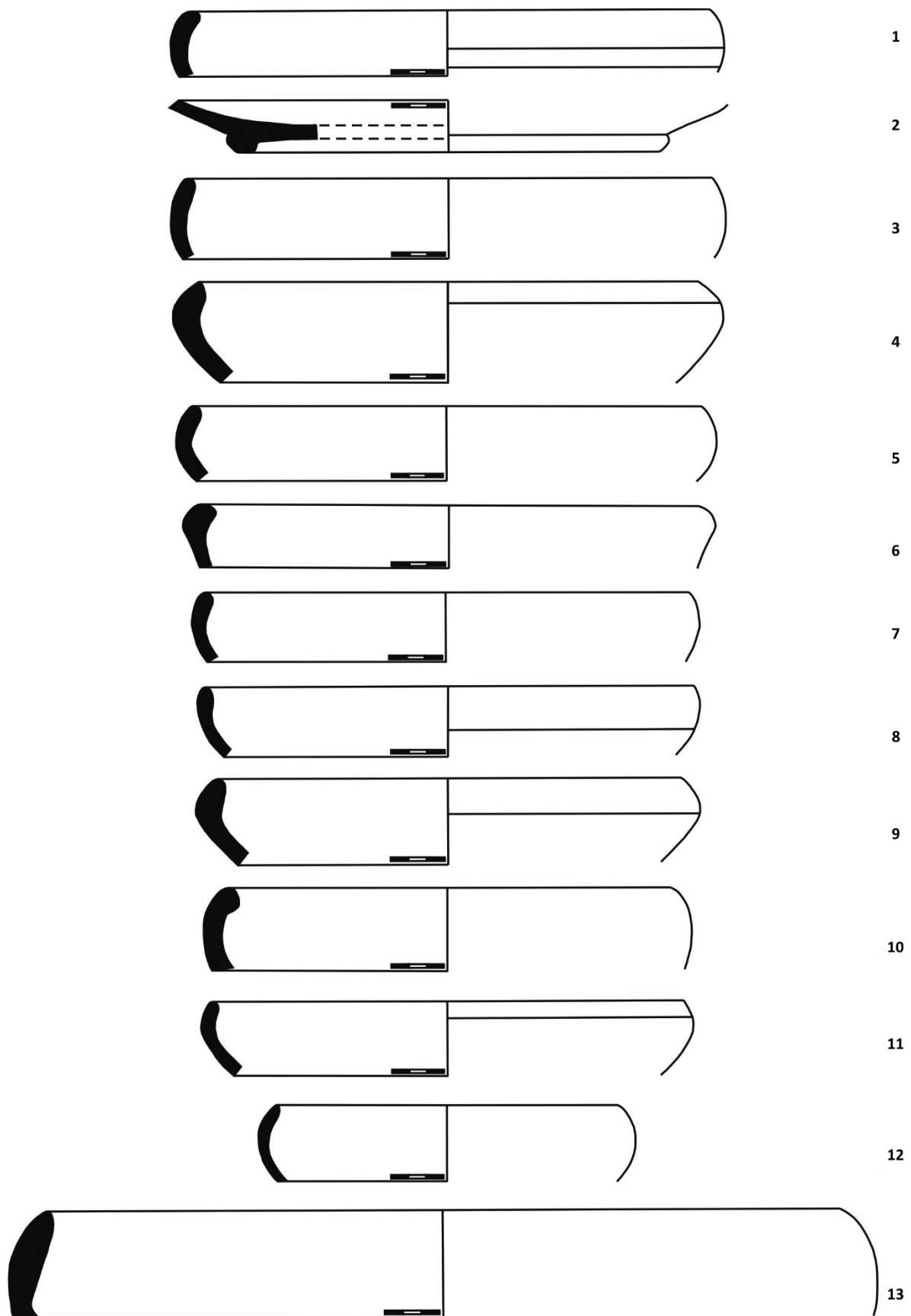


Fig. 3. Hayes 1 form: 1-12. type A; 13. type B.

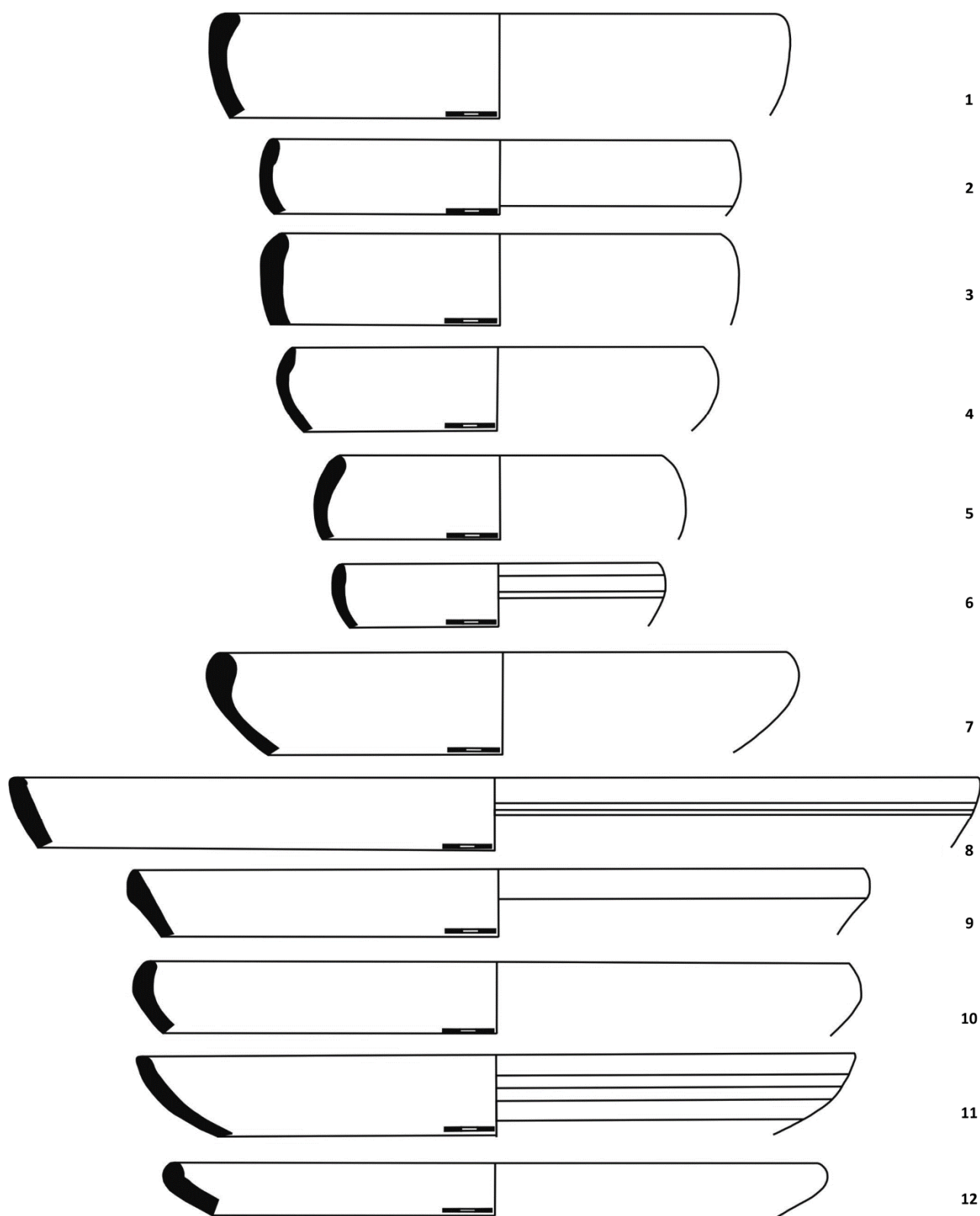


Fig. 4. Hayes 1 form: 1–6. type B; 7. type C; 8–12. type D.

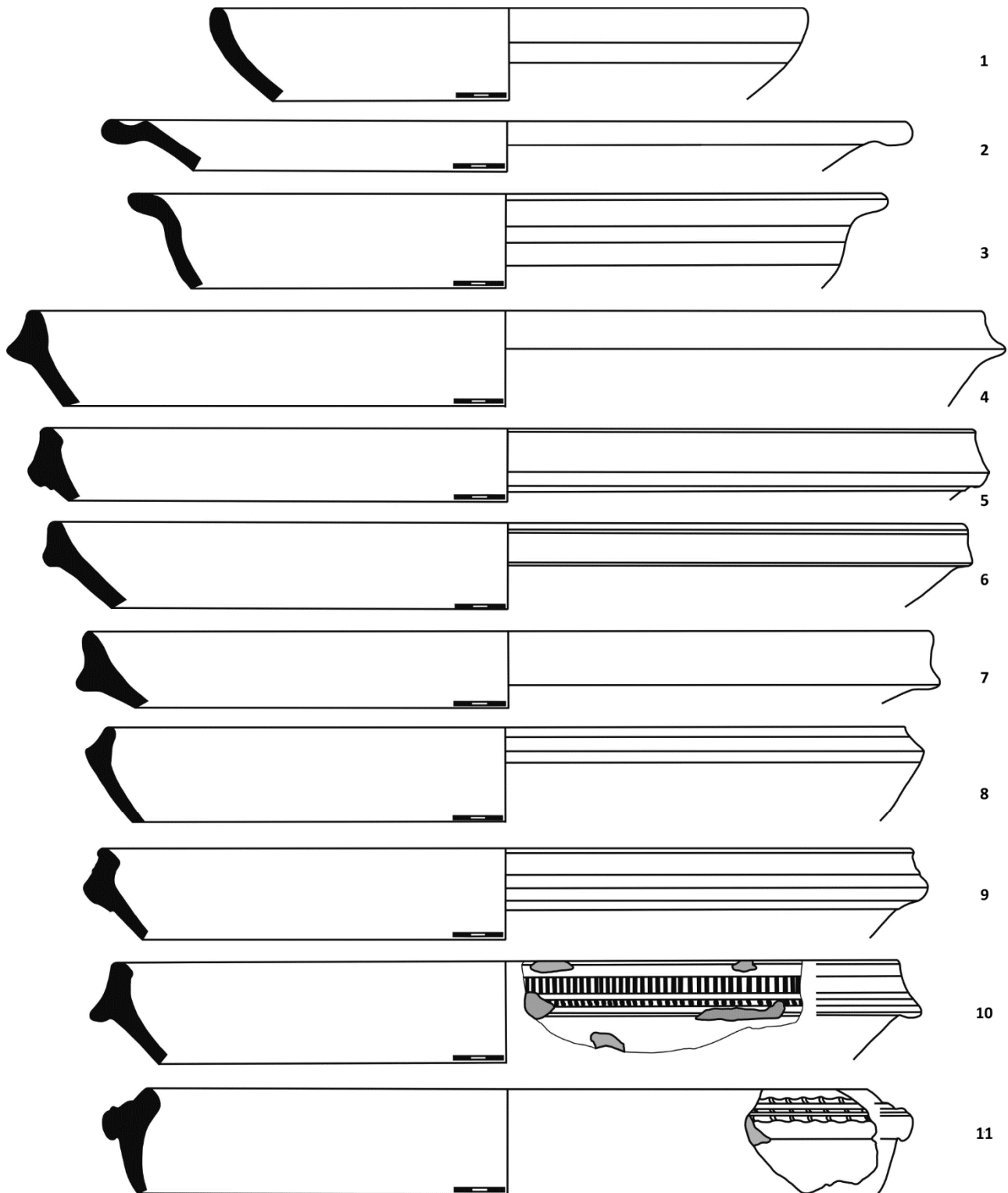


Fig. 5. Hayes 1 form: 1. type D; Hayes 2 form: 2–3. type B; Hayes 3 form: 4–11. type E.

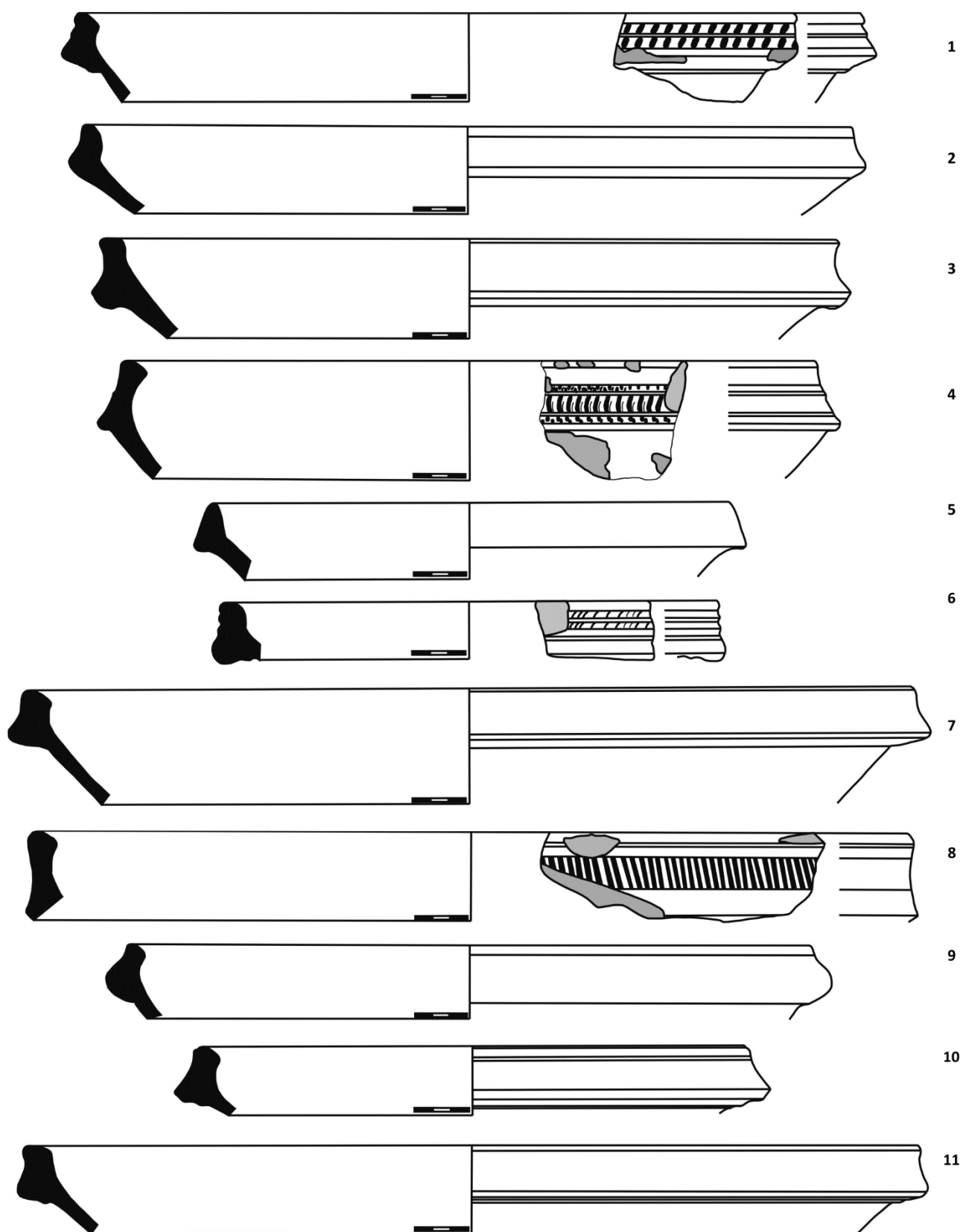


Fig. 6. Hayes 3 form: 1–6. type E; 7–10. type F; 11. type G.

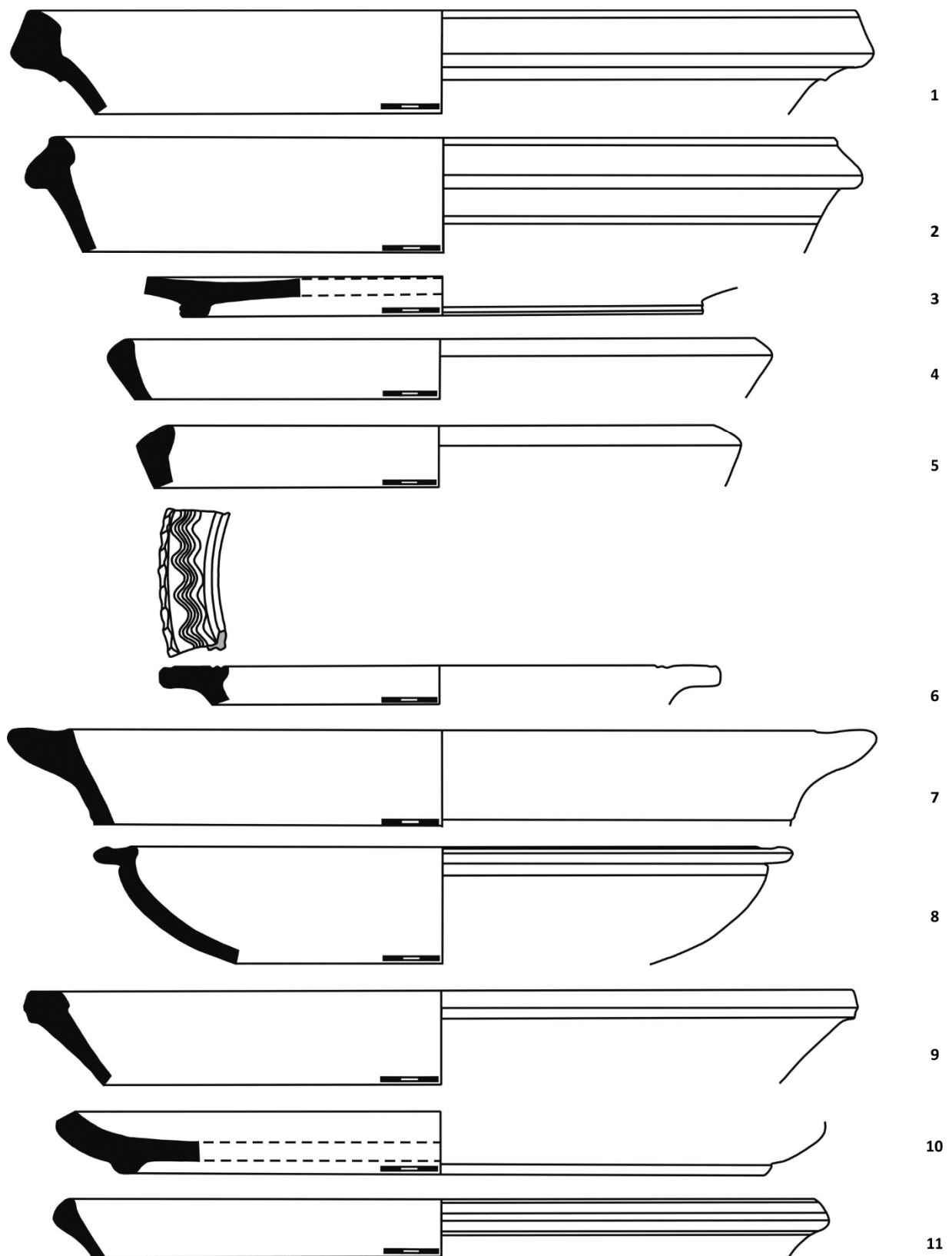


Fig. 7. 1–3. Hayes 3 form, type G; 4–6. Hayes 408–410/92–4 form; 7. Hayes 6 form; 8. Hayes 8 form; 9–11. Hayes 10 form, type A.

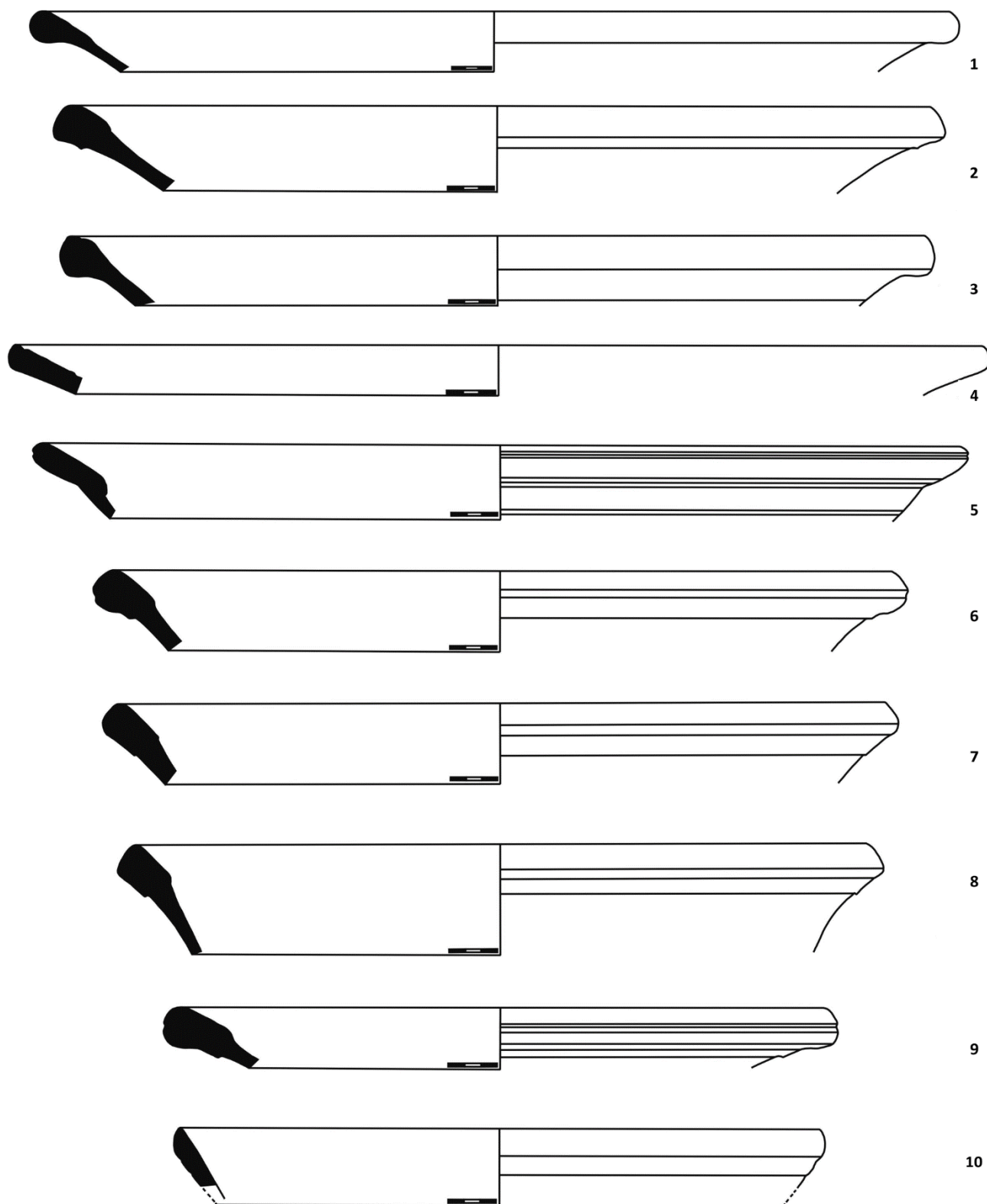


Fig. 8. Hayes 10 form: 1–3. type B/7; 4–10. type C.

