

CATALOGUE PART 4

Possible wooden writing equipment

ELSE HARTOCH, KOEN DEFORCE, DIRK PAUWELS,
AND VEERLE VAN KERSEN

Cat. no. 111 – GRM 19977.1 [Pl. XXVII]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek, 1936

COLLECTION NAME: C

GENERAL DESCRIPTION: Incomplete carved, lathed and smoothly polished spindle or stylus. Fragment of the lower part. The shaft of the round section is broken. Tapered shaft and pointed end (for writing, if it is indeed a stylus) with a crack along the grain. Almost biconical bulge (the grip, if this is interpreted as a stylus), which has a round section.

TPOLOGY / FINDS OF SIMILAR MORPHOLOGY

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Spindelstäbe* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78–85, Abb. 43, 388–390, Taf. 24–26: wood identified as *Spindelstäbe* (spindles)

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: Broad-leaved tree (Angiosperm diffuse porous indet.)

DIMENSIONS: 1. Max. width 9.80 mm (complete); 2. Length 113 mm (incomplete)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 112 – GRM 19977.2 [Pl. XXVII]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek, 1936

COLLECTION NAME: C

GENERAL DESCRIPTION: Incomplete carved, lathed and smoothly polished fragment of the lower part of a spindle or stylus. The shaft of the round section is broken. The bulge (the grip, if this is a stylus) is also round in section and partly damaged. Tapered point and shaft. The tip of the point is broken and bears the (ancient) remains of glue.

TPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Stabspindeln* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78, Abb. 43, Taf. 24–26: wood identified as *Spindelstäbe* (spindles)

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: Broad-leaved tree (Angiosperm diffuse porous indet.)

DIMENSIONS: 1. Max. width 9.14 mm (complete); 2. Length 142 mm (incomplete)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 113 – GRM 19978.1 [Pl. XXVII]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek II, Maison America, August 1936

COLLECTION NAME: B.4

GENERAL DESCRIPTION: Incomplete carved, lathed and smoothly polished fragment of the lower part of a stylus.

The shaft, round in section, is broken. The bulging grip is also round in section. Tapered point and shaft. The tip of the point is missing.

TYPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Stabspindeln* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78, Abb. 43, Taf. 24–26: wood identified as *Spindelstäbe* (spindles)

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: European boxwood (*Buxus sempervirens*)

DIMENSIONS: 1. Max. width 5.41 mm (complete); 2. Length 76 mm (incomplete)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 114 – GRM 19978.2 [Pl. XXVII]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek II, Maison America, August 1936

COLLECTION NAME: B.4

GENERAL DESCRIPTION: Incomplete carved, lathed and smoothly polished lower fragment of a spindle or stylus.

The shaft of the round section is broken. It is tapered and ends in a point (for writing, if this is indeed a stylus).

Practically biconical, with a bulging grip (if a stylus) of irregular circular section.

TYPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Stabspindeln* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78, Abb. 43, Taf. 24–26: wood identified as *Spindelstäbe* (spindles)

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: European boxwood (*Buxus sempervirens*)

DIMENSIONS: 1. Max. width 8.42 mm (complete); 2. Length 152 mm (incomplete)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 115 – GRM 19978.3 [Pl. XXVII]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek II, Maison America, August 1936

COLLECTION NAME: B.4

GENERAL DESCRIPTION: Potentially a fragment of the lower part of a carved, lathed stylus. The shaft and the point are broken and rectangular to square in section and the stylus is tapered towards the point. The pointed end, used for writing, is missing. It is possibly a half-finished but broken stylus, discarded at a production site. Possibly broken during polishing.

TYPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Stabspindeln* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78, Abb. 43, Taf. 24–26: wood identified as *Spindelstäbe* (spindles)

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: European boxwood (*Buxus sempervirens*)

DIMENSIONS: 1. Max. width 5.21 mm (complete); 2. Length 54 mm (incomplete)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 116 – GRM 19979.1 [Pl. XXVII]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek, 1936

COLLECTION NAME: C

GENERAL DESCRIPTION: Potentially an incomplete carved, lathed stylus. Smoothly polished apart from one small rough protruding area. The shaft, round in section, is broken. No bulging grip. Slightly tapered point and shaft.

TYPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Stabspindeln* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78, Abb. 43, Taf. 24–26: wood identified as *Spindelstäbe* (spindles)

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: European boxwood (*Buxus sempervirens*).

DIMENSIONS: 1. Max. width 5.74 mm (complete); 2. Length 124 mm (incomplete)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 117 – GRM 19979.2 [Pl. XXVIII]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek, 1936

COLLECTION NAME: C

GENERAL DESCRIPTION: Potentially a complete, although broken and half-finished, carved stylus. The shaft and the point are of pentagonal section. The shaft is characterised by a bulging grip which tapers towards the point. Broken before finished and thus discarded during production? Unfinished if it was, however, intended to be a spindle.

TPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Stabspindeln* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78, Abb. 43, Taf. 24–26: wood identified as *Spindelstäbe* (spindles). Note especially the similarity with Taf. 25.15

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: European boxwood (*Buxus sempervirens*)

DIMENSIONS: 1. Max. width 10.71 mm (complete); 2. Length 235 mm (complete but broken)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 118 – GRM 19979.3 [Pl. XXVIII]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek, 1936

COLLECTION NAME: C

GENERAL DESCRIPTION: Potentially an almost complete (but broken and splintered) carved and polished stylus. The upper end of the shaft is missing. The polished but broken shaft is round in section. The bulging grip is too damaged to define the form of its section. Shaft tapers towards the spliced point. If the item was intended to be a spindle, it was left unfinished.

TPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Stabspindeln* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78, Abb. 43, Taf. 24–26: wood identified as *Spindelstäbe* (spindles)

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: European boxwood (*Buxus sempervirens*)

DIMENSIONS: 1. Max. width 10.30 mm (complete); 2. Length 222 mm (incomplete and broken)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 119 – GRM 19979.4 [Pl. XXIX]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek, 1936

COLLECTION NAME: C

GENERAL DESCRIPTION: Almost complete (but broken) carved and polished spindle or stylus. The tip of the (writing) point is missing. The polished broken shaft is round in section and characterised by a bulge (the grip, if this is interpreted as a stylus). Shaft tapering towards the point.

TPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Lange 2021, Pl. XLI, 177–178: wood identified as *stili*

Fellmann 2009, 29–30, Taf. 3, 117–137, 140–180: wood identified as *Stabspindeln* (spindles)

Deschler-Erb 1998, Taf. 13, 347: bone identified as a *Spindel* (spindle)

Deschler-Erb 1998, Taf. 23, 863: bone identified as a stylus

Tegtmeier 2016, 78, Abb. 43, Taf. 24–26: wood identified as *Spindelstäbe* (spindles)

Schaltenbrand Obrecht 2012, Taf. 115, 514: iron identified as a stylus

WOOD SPECIES: European boxwood (*Buxus sempervirens*)

DIMENSIONS: 1. Max. width 9.57 mm (complete); 2. Length 228 mm (incomplete and broken)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 120 – GRM 20029 [Pl. XXIX]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek II, Maison America, August 1936

COLLECTION NAME: B.3

GENERAL DESCRIPTION: Complete writing tool? Or a spike? The straight shaft is rather oval in section. Tapered towards the point. Cavity in the middle of the flat rear side of the shaft. Interpretation as a stylus cannot be ruled out.

TPOLOGY / FINDS OF SIMILAR MORPHOLOGY:

Fellmann 2009, 31–35, Taf. 4, 183–219: wood identified as *Webspindeln* / *Spleissdorne* (spindles/wedges)

Tegtmeier 2016, 430, Abb. 5, Taf. 65, 5–10, Taf. 66, 1–17: wood identified as *Spleissdorne* (wedges)

Schaltenbrand Obrecht 2012, 757, Taf. 199: bone identified as *stili*

WOOD SPECIES: European boxwood (*Buxus sempervirens*)

DIMENSIONS: 1. Max. width 14.25 mm (complete); 2. Length 128 mm (incomplete)

BIBLIOGRAPHY: The inventories drawn up by de Schaetzen for the sites of Broek I–VI and Broekberg cite a total of 37 styli. Although most are of metal (36 bronze, 1 iron), one case from Broek II is of wood (Pauwels in this volume).

Cat. no. 121 – GRM 20031 [Pl. XXIX]

CURRENT LOCATION: Gallo-Roman Museum, Tongeren-Borgloon

FIND SPOT AND YEAR: Tongeren, Broek II, Maison America, August 1936

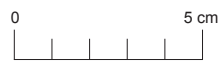
COLLECTION NAME: B.4

GENERAL DESCRIPTION: Potential ink pen used to write on smooth wooden surfaces known as ink leaf tablets made mostly of local wood. The shaft is complete, almost round in section, and rather short. It was perhaps initially longer. Possibly broken and redone at its top. Tapered towards the point. At the moment of its rediscovery among the museum's wood collection, the object was wrapped with a copper alloy which was far more extensive than what remains visible today, as it almost immediately fell off and disintegrated. As such, the drawing and photograph only partially reflect its condition when it was found. The resemblance to a 'Vindolanda type' pen is striking.

TPOLOGY / FINDS OF SIMILAR MORPHOLOGY: Willi 2021, 41, fig. 22 <http://vindolanda.csad.ox.ac.uk/exhibition/docs-2.shtml>

WOOD SPECIES: Silver fir (*Abies alba*)

DIMENSIONS: 1. Max. width without the copper alloy wrapping 12.45 mm, with the copper alloy 14.02 mm; 2. Length 49.77 mm (complete)



Cat. no. 111 - GRM 19977.1



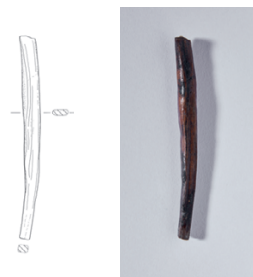
Cat. no. 112 - GRM 19977.2



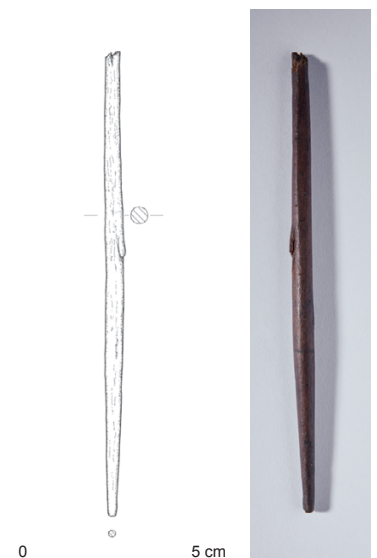
Cat. no. 113 - GRM 19978.1



Cat. no. 114 - GRM 19978.2



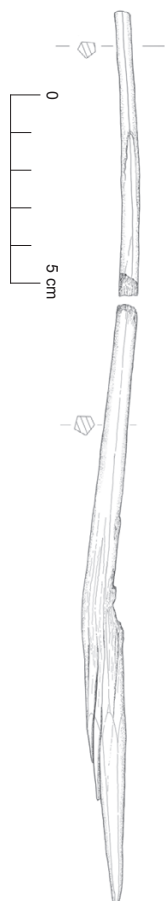
Cat. no. 115 - GRM 19978.3



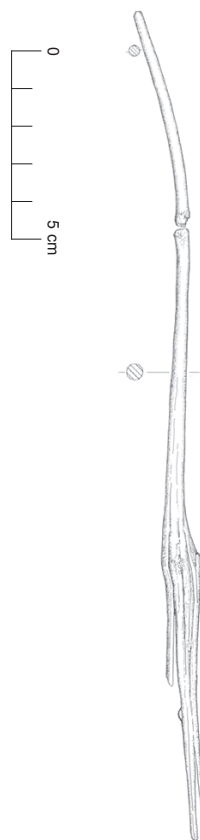
Cat. no. 116 - GRM 19979.1

(Potential) Spindles: cat. nos 111–112, Broad-leaved tree (Angiosperm diffuse porous indet.); cat. no. 114, European boxwood (*Buxus sempervirens*);

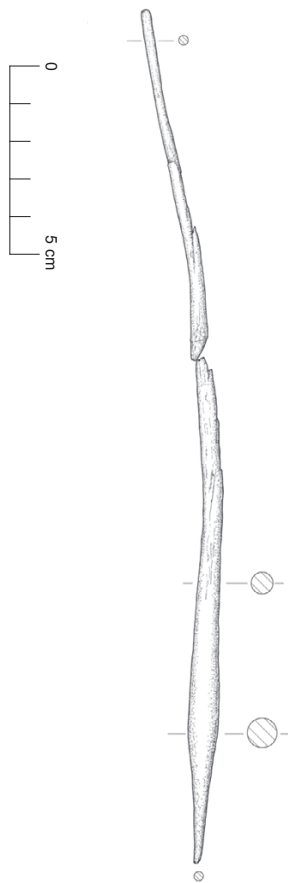
(Potential) Styli: cat. nos 113, 115–116, European boxwood (*Buxus sempervirens*), scale 1:2



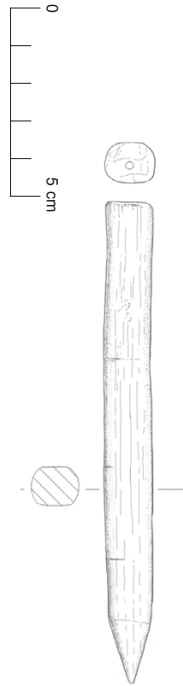
Cat. no. 117 - GRM 19979.2



Cat. no. 118 - GRM 19979.3



Cat. no. 119 - GRM 19979.4



Cat. no. 120 - GRM 20029



Cat. no. 121 - GRM 20031

(Potential) Spindle: cat. no. 119, European boxwood (*Buxus sempervirens*); (Potential) Stylus: cat. no. 120, European boxwood (*Buxus sempervirens*). Potential ink pen: cat. no. 121, Silver fir (*Abies alba*), scale 1:2

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