

39 RUPERT STREET,
GLASGOW.

Scotland

20th April 1904

Dear Sir



I enclose a photograph of plaster casts taken from a stone mould, in my possession. It will give you an idea what ~~like~~ the matrices on the mould are like.

I am going to read a paper, about the mould, to the Soc. of Antiquaries of Scotland, and I am trying to make a complete list of the flat axe moulds (hacheplate sans rebords ni ailerons) found in

Europe, and I beg to
hand you a proof of the
table I have compiled.
From it you will see I
mention 2 examples from
France and 3 from Spain.
If you can kindly inform
me of any other examples
I shall feel greatly indebted
to you. If you could give me
any references to flat are
moulds in any books it
would place me further
in your debt

Meantime, I have the
honour to be

Yours obedient servant

Graham Ballander
F.S.A. Scot.

Monsieur Emile Cartailhac
Toulouse

STONE MOULDS BEARING MATRICES FOR CASTING FLAT BRONZE OR COPPER AXES.

Where found.	Description and Number of Matrices.	Where now located.	References.
SCOTLAND.			
I. Strathconan, Ross-shire	One flat axe 1	Cast in Nat. Mus. of Antiq. of Scotland	<i>Proc. Soc. Ant. Scot.</i> , vol. xxxii. p. 39.
II. Culbin Sands, Morayshire	Two flat axes and small groove on obverse, one flat axe on reverse, and one small flat axe-like object on one side 5	Nat. Mus. of Antiq. of Scotland	<i>Proc. Soc. Ant. Scot.</i> , vol. xxv. p. 495.
III. " "	A fragment. One flat axe on each face 2	" "	" "
IV. Kintore, Aberdeenshire	Two flat axes on obverse 2	" "	<i>Proc. S. A. S.</i> , vol. ii. p. 33 ; vol. vi. p. 209 ; Evans, <i>Anc. Bronze Imp.</i> , p. 430.
V. Foudland, Insch, Aberdeenshire	Seven flat axes and two bars 9	...	Described in Notice.
VI. Marnoch, Banffshire	One flat axe on obverse, one ring and one bar on reverse 3	Banff Museum	<i>Proc. Soc. Ant. Scot.</i> , vol. xxii. p. 369.
ENGLAND.			
I. Wallington, Northumberland	Two flat axes on obverse, one flat axe and one flat ring on reverse 4	British Museum	Evans, <i>Anc. Bronze Imp.</i> , p. 430 ; <i>Arch. Aeliana</i> , vol. iv. p. 107.
IRELAND.			
I. Ireland	Two flat axes on obverse, one flat axe and one knife on reverse 4	Nat. Mus. of Antiq. of Scotland	<i>Museum Catalogue</i> , p. 124 ; <i>Proc. Soc. Ant. Scot.</i> , vol. ii. p. 34.
II. Lough Scurlanog, Leitrim	One flat axe and one looped palstave on obverse, one flat axe on reverse 3	Royal Irish Academy's Collection	Wilde, <i>Cata. of Royal Irish Acad. Coll.</i> , p. 91, fig. 72 ; Evans, p. 430.
III. Carrickfergus, Antrim	Three flat axes 3	Bateman Collection	Evans, <i>Anc. Bronze Imp.</i> , p. 430 ; <i>Bateman Coll. Cata.</i> , p. 78.
IV. Ireland	Four flat axes 4	Belfast Museum	Evans, <i>Anc. Bronze Imp.</i> , p. 430 ; <i>Arch. Journal</i> , vol. iv. p. 335.
V. Ballymena	One flat axe 1	Sir John Evans' Coll.	Evans, <i>Anc. Bronze Imp.</i> , p. 428.
BELGIUM.			
I. Filée, Province de Namur	Flat axe mould	Museum at Namur	...



FRANCE.			
I. Plouharnel, canton de Quiberon, arrondissement de Lorient (Morbihan)	Flat axe (hache plate) mould of red granite	Lebail Collection at Plouharnel	Chantre, <i>Age du Bronze</i> , 1re ptie., p. 33, No. 62 in table, quotes M. Parenteau, <i>Bulletin de la Soc. Arch. de Nantes</i> , 1868, T. viii. pl. 1, fig. 1.
II. Molitg-les-Bains, Pyrénées-Orientales	One face has a matrix for a flat axe (hache plate à bords droits), the other face has a matrix for a similar axe and a long and deep cavity tapering towards the ends 3	In the possession of M. de Massia, Molitg-les-Bains	<i>Matériaux pour l'Histoire primitive et naturelle de l'Homme</i> , vol. xxii., 1888, p. 158.
SPAIN.			
I. El Argar, Almeria	Flat axe mould of micaceous sandstone with one matrix 1	British Museum	Siret, <i>Les premiers Ages du Métal dans le Sud-Est. de l'Espagne</i> . Texte p. 127 Album pl. xxvii.
II. " "	" " "	Royal Museum at Brussels	" "
III. Cabezodel Oficio, Almeria	Fragment of a mould apparently for a flat axe 1	" "	<i>Ibid.</i> , Texte p. 191 Album pl. lxii.
SWITZERLAND.			
I. Greng-Insel, Lake of Morat	Mould for flat celt, with the casting still in its case	Museum at Berne	Munro, <i>Lake Dwellings of Europe</i> , p. 70.
II. Ueberlingersee, Lake of Constance	Resembles above example	Museum at Stuttgart	<i>Ibid.</i> , p. 70.
ITALY.			
I. and II. Bodio in the Lago di Varese	Two moulds, apparently for flat or slightly flanged celts	Evans, <i>Anc. Bronze Imp.</i> , p. 430, quotes Pegazzoni, <i>L'uomo preist. nella Prov. di Como</i> , 1878, pl. vi. 18-20.
SCANDINAVIA, DENMARK, GERMANY.			
I have been courteously informed by Dr Oscar Montelius, Stockholm, Dr Sophus Müller, Copenhagen, and Dr Hötze, Berlin, that no flat axe moulds have been found in these countries.			

Compiled by Graham Ballander
 FSA Recd
 20th April 1904

