

The Rev. Mr Joass has discovered in the ruins of the Broch of Cinn Trolla,¹ in Sutherlandshire, two hammer-marked plates of bronze, which were probably an ancient commercial form of this metal; one of these, measuring $11\frac{1}{4}$ inches in length, by $7\frac{1}{2}$ in breadth, and $\frac{1}{8}$ of an inch in thickness, and weighing 3 lbs. $4\frac{1}{2}$ oz. avoirdupois, is now preserved in our Museum.

These various instances help to give us some little insight into the details of an ancient commerce in metals.² They seem to show that lead, metallic tin, at least an alloy of tin and lead, and also pure copper, as well as the mixed metal, bronze, and even iron,³ were all among the articles of a very early commerce in Britain, and throughout Europe.

MONDAY, 11th March 1872.

DAVID LAING, Esq., LL.D., Foreign Secretary, in the Chair.

The Right Hon. the Earl of Wemyss and March was admitted without ballot, and a ballot having been taken, the following Gentlemen were admitted Fellows:—

Rev. WILLIAM DUKE, M.A., Minister of St Vigeans, Forfarshire.

HUGH POLLOCK, Esq., Donnybrook House, Cork.

ALEXANDER SHANNAN STEVENSON, Esq., Tynemouth.

ALEXANDER JOHNSTON WARDEN, Esq., Marybank House, Broughty-Ferry.

The following Donations to the Museum and Library were laid on the table, and thanks voted to the Donors:—

(1.) By Sir HENRY DRYDEN, Bart., Hon. Mem. S.A. Scot., &c.

Two Portfolios of Plans, Sketches and Measurements of Brochs, Stone

¹ See "Archæologia Scotica," Account of Cinn Trolla Broch, &c., by Rev. Mr Joass, vol. v.

² See "The Ancient Workers and Artificers in Metals, from References in the Old Testament, and other Ancient Writers," by James Napier, F.C.S., &c., London and Edinburgh, 1856.

³ For details of Iron, &c., see "The Celt, the Roman and the Saxon," by T. Wright, F.S.A., &c.

Circles, and Lines of Standing Stones in the north of Scotland, comprising the following:—

Ground Plan, Section, and Measurements of the Broch of Yarhouse, Thrumster, Caithness. Seven sheets. (Scale, 3-8ths to 2 feet.)

Plan and Sections of the Broch of Brounaben, Thrumster, Caithness. (Scale, 3-8ths to 2 feet.)

General Plan and Section of the U-shaped group of Standing Stones at Ach-Kinloch (Stemster) Latheron, Caithness (scale, 4-8ths to 10 feet), with detailed plans, elevations, and measurements of each Stone. (Scale, 3-8ths to 2 feet.)

General Plan and Section of Stone Circle at Guidebest, Latheron, Caithness (scale, 4-8ths to 10 feet), and detailed plans and elevations of each Stone. (Scale, 3-8ths to 2 feet.)

Plan and Section of the Broch at Lybster (Crosskirk), in the parish of Reay, Caithness. (Scale, 3-8ths to 2 feet.)

Plan and Sections of the Broch of Castle Chonil, in Glenbeg, near Glenelg, Inverness-shire. Three sheets. (Scale, 3-8ths to 2 feet.)

Plan and Sections of the Broch of Castle-Grugach, at Loch Duich, Inverness-shire. (Scale, 3-8ths to 2 feet.)

General Plan of the seven lines of Standing Stones on "Battle Moss," near Yarhouse Loch, Thrumster, Caithness. (Scale, 4-8ths to 10 feet.)

General Plan of six lines of Standing Stones, converging to a small Cairn, with central Cist, at Garry Whin, near Whaligoe, Caithness. (Scale, 4-8ths to 10 feet.)

General Plan of six lines of Standing Stones, converging towards a Cairn, with central Cist, at Camster, Caithness. (Scale, 4-8ths to 10 feet.)

General Plan and Section of twenty-two lines of Standing Stones at the hill of the "Many Stones," Clyth, Caithness. (Scale, 4-8ths to 10 feet.)

(2.) By DAVID GRIEVE, Esq., F.S.A. Scot.

A Collection of Shells, Bones of Animals, &c., from a Kitchen Midden; on the island of Inchkeith. (See detailed List in subsequent communication by Mr Grieve.)

- (3.) By JOHN CHALMERS, Esq., F.S.A. Scot., and Mr ANDERSON, Keeper of the Museum.

A Collection of Shells, Bones of Animals, Vitrified Matter, &c., from a Kitchen Midden on the level summit of the Crag overlooking Dunsappie Loch, Arthur's Seat.

The shells are those of the common edible shell-fish, including the periwinkle, limpet, and cockle; the bones include those of the ox, sheep, and pig, the long bones being broken and split, and mostly calcined either wholly or partially; the vitrified matter appears to be the result of numerous fires kindled here and there over the area.

- (4.) By JOHN M'CONNEL, jun., Esq., Chapelheron, through BENJAMIN NEEVE PEACH, Esq., of the Geological Survey.

Polished Celt of indurated Claystone, 7 inches in length by $2\frac{3}{4}$ inches broad at the cutting end, narrowing to $1\frac{1}{2}$ inches at the small end, found on the farm of Chapelheron, near Whithorn.

- (5.) By ROBERT MERCER, of Scotsbank, Esq., F.S.A. Scot., through JAMES DRUMMOND, Esq., R.S.A., F.S.A. Scot.

Two Bronze Patellas. One has the handle, $6\frac{1}{2}$ inches long, and 1 inch broad where it joins to the bowl, terminating at the end in a hook like the head of a serpent; the bowl, which is shallow, is 6 inches diameter and $1\frac{3}{4}$ inch deep inside. The other, which wants the handle, is elegantly made and covered outside with an extremely fine green patina. It is tinned inside, and also on the outside in a band $\frac{3}{4}$ of an inch wide round the upper border immediately below the rim. The bowl measures internally $6\frac{3}{4}$ inches diameter and 4 inches deep.

- (6.) By WILLIAM FETTES DOUGLAS, Esq., R.S.A.

Neunter Bericht der Konigl. Schleswig Holstein-Lauenburgischen Gesellschaft für die Sammlung und Erhaltung Vaterlandischer Altherthümer. 1844. 8vo.

- (7.) By the SOCIETY OF ANTIQUARIES OF LONDON.

Proceedings of the Society of Antiquaries of London. Second Series. Vol. V. No. II.

(8.) By the HISTORICAL SOCIETY OF LANCASHIRE AND CHESHIRE.
Transactions of the Historical Society of Lancashire and Cheshire.
New Series. Vol. IX.

(9.) By the Right Hon. Lord ROMILLY, the Master of the Rolls.
Calendar of State Papers, Foreign. 8vo. 1566-1568.

(10.) By the MANX SOCIETY.
Records of the Tynwald and St John's Chapels. 8vo. Vol. XIX.

(11.) By ROBERT ORMISTON, Esq., through COSMO INNES, Esq., LL.D.,
F.S.A. Scot.
Four Letters from Oliver Cromwell to Sir Arthur Heselridge, Governor
of Newcastle-upon-Tyne. 8vo, pp. 17.

There were also exhibited :—

(1.) By Rev. NORMAN MACLEOD, D.D., Barony Parish, Glasgow.
Bronze Tortoise-shaped Brooch, and Bronze Pin, 6 inches in length,
with open lozenge-shaped head, found in the island of Tiree.

(2.) By JOHN MACDONALD, Esq., Newton, Lochmaddy.
Comb of Bone, with semicircular back, 7 inches in length ; flat circular
Bronze Brooch with Rune-like ornament, $1\frac{1}{4}$ inches in diameter ; a small
Bronze Brooch or Buckle, $\frac{1}{2}$ inch in diameter ; and Flint Arrowhead,
found in clearing out a stone cist in a sandy hillock in South Uist.

(3.) By MILLEN COUGHTRY, Esq., M.B., Edinburgh.
Three Combs from the South Pacific, made of Reeds tied together.
(See Plate XVIII., fig. 11.)

The following Communications were read :—