

Ferguson & Anderson.

Molding Sash Weights.

N^o 87,832.

Patented Mar. 16, 1869.
Fig. 2.

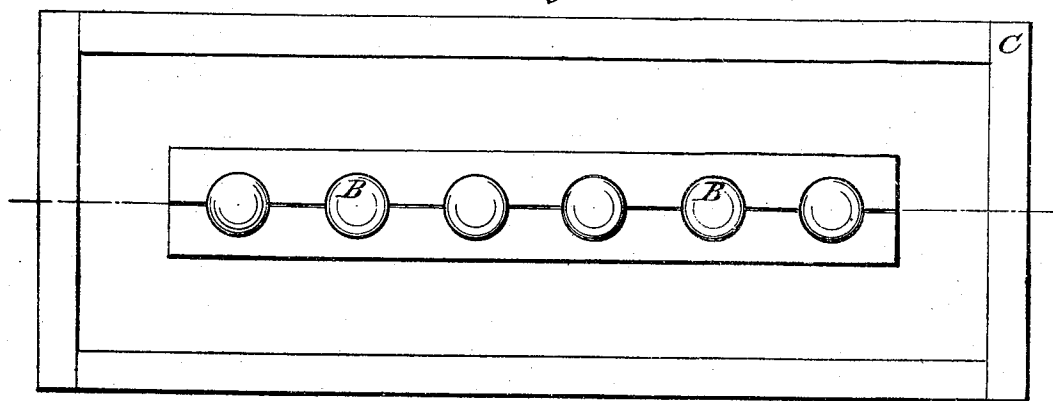


Fig. 3.

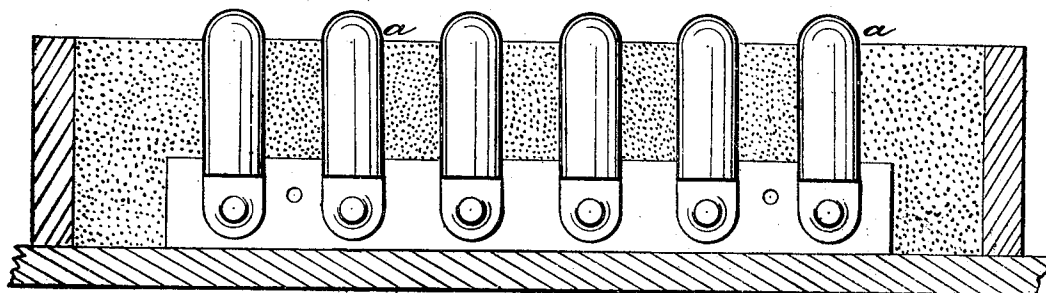
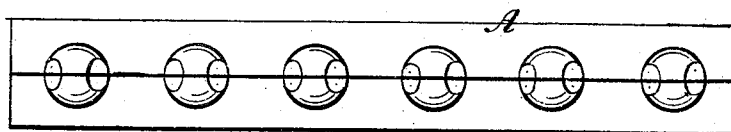


Fig. 1.



WITNESSES

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WILLIAM FERGUSON AND JAMES ANDERSON, OF NEW YORK, N. Y.

Letters Patent No. 87,832, dated March 16, 1869.

IMPROVEMENT IN MOULDING SASH-WEIGHTS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, WILLIAM FERGUSON and JAMES ANDERSON, of New York, in the county of New York, and State of New York, have invented a new and useful Improvement in Moulding Sash-Weights; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to an improved method of moulding sash-weights, for casting said weights, and moulds for the same, whereby it is designed to provide a more simple and expeditious mode of moulding, and to produce smoother and better weights, especially in the formation of the eyes of the same.

Figure 1 represents a plan view of a metallic flask, or mould, designed for casting the ends in which the eyes are formed, and for forming the said eyes;

Figure 2 represents a plan view of the same as placed on the moulding-board, with the wood patterns inserted; and

Figure 3 represents a longitudinal section of the same, when packed in a sand mould.

Similar letters of reference indicate corresponding parts.

A represents a metallic flask, made in two parts, and properly shaped to form the eyes, and the ends of the weights in which they are formed; and

B represents plain patterns to be inserted in the holes in the said flask, around which we pack the green sand to form the mould for the balance of the weight.

The said flask being placed on the mould-board, as represented in fig. 2, together with the nowel C, and the sand packed therein in the ordinary manner.

We make a parting at the point *a*, where the ends of the weights begin to curve, and form the balance of the mould in a cope, which may be readily withdrawn, for the withdrawal of the patterns B, and which being again placed thereon, after the withdrawal of the said patterns, completes the mould, and the weights may be cast in a vertical position.

This method presents an improvement over either the sand or metallic moulds made in two parts, and parted in the longitudinal direction of the weights, which causes fins, or ridges to form all around them, and the metal flasks so formed, soon warp, and become worthless; whereas in these moulds, there is not a sufficient amount of metal cast into the metal portion, to cause them to warp, and the sand is packed so tightly upon the top of the flask around the moulds, that fins will not form.

Any suitable number of these metal flasks may be placed together on the mould-board, and keyed up within the nowel, by which the moulds may be formed very rapidly.

Having thus described our invention,

We claim as new, and desire to secure by Letters Patent—

The improved method, herein described, of moulding sash-weights, by means of the metal mould A, and plain patterns B, arranged and operating in the manner set forth, for the purpose specified.

The above specification of our invention signed by us, this 24th day of November, 1868.

WILLIAM FERGUSON.
JAMES ANDERSON.

Witnesses:

FRANK BLOCKLEY,
ALEX. F. ROBERTS.