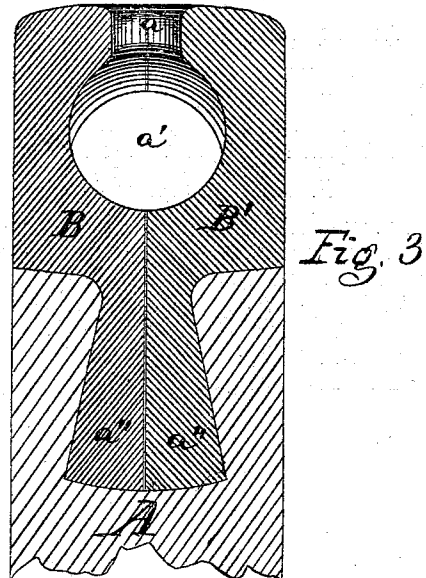
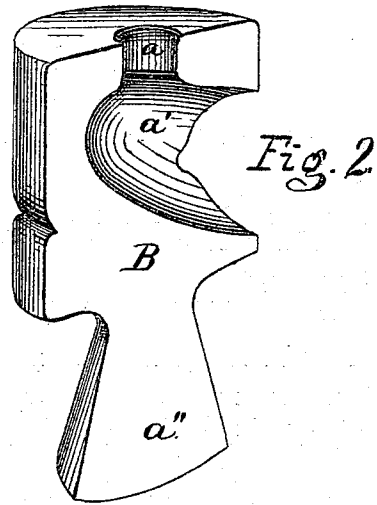
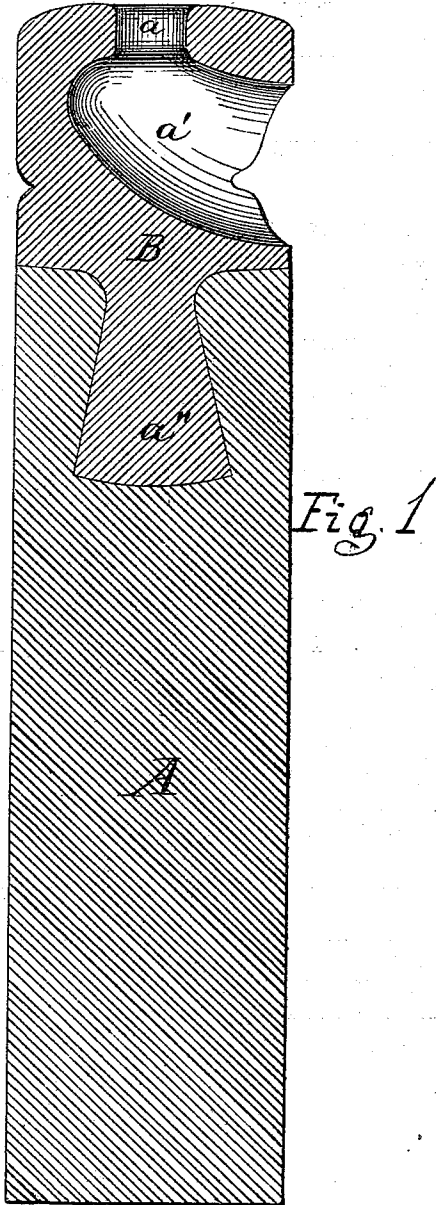


M. G. BURKHARDT.

Improvement in Sash Weights.

No. 123,551.

Patented Feb. 13, 1872.



Attest
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UNITED STATES PATENT OFFICE.

MATTHIAS G. BURKHARDT, OF CINCINNATI, OHIO.

IMPROVEMENT IN SASH-WEIGHTS.

Specification forming part of Letters Patent No. 123,551, dated February 13, 1872.

I, MATTHIAS G. BURKHARDT, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Sash-Weights, of which the following is a specification:

Nature and Objects of Invention.

My invention consists in a peculiar construction of sash-weight, by which the holes for the reception of the cords and knots of same are formed without the use of a core or chill, the object of my invention being the production of a sash-weight having smooth holes for the cords, of a shape best adapted to accommodate the cord-knots, and render the manufacture of sash-weights easy and profitable.

Description of the Accompanying Drawing.

Figure 1 is a vertical section of a sash-weight embodying my invention. Fig. 2 is a perspective view of an end piece. Fig. 3 is a vertical section in a plane at right angles to Fig. 1.

General Description.

My improved sash-weight is composed of the main body or sleeve A and the end pieces B and B'. The latter are cast separately, before being united with the sleeve, in a common two-part flask, without the employment of a "core" or "chill." The form of each end piece is clearly shown in Fig. 2, a half-circle recess, *a*, be-

ing formed for the reception of the cord, a deep recess, *a'*, for the occupancy of the cord-knot which supports the weight, and a tapering shank, *a''*, for the sleeve to embrace. When the pieces B B' are put together in the manner shown in Fig. 3 the entire circle necessary for the rope and cord is formed, and its interior surface is smooth and of a shape well adapted for the reception of the cord-knot. The end pieces are connected together by means of the sleeve A, which forms the greater portion of the weight. This sleeve is cast around the shanks *a''*, the pieces B B' having been placed in the mold in which the sleeve is formed. The shrinkage of the sleeve in cooling draws the end pieces tightly together, and the tapering shanks *a'' a''* prevent displacement in use.

Claim.

A sash-weight formed by the combination, in the manner substantially as described, of end pieces A A' and sleeve C, the parts being constructed and combined as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

MATTHIAS G. BURKHARDT.

Witnesses:

FRANK MILLWARD,
M. L. ANDREW.