

JAMES FALLOWS.

Improvement in the Manufacture of Metallic Match Safes

No. 124,043

Patented Feb. 27, 1872.

Fig. 1.

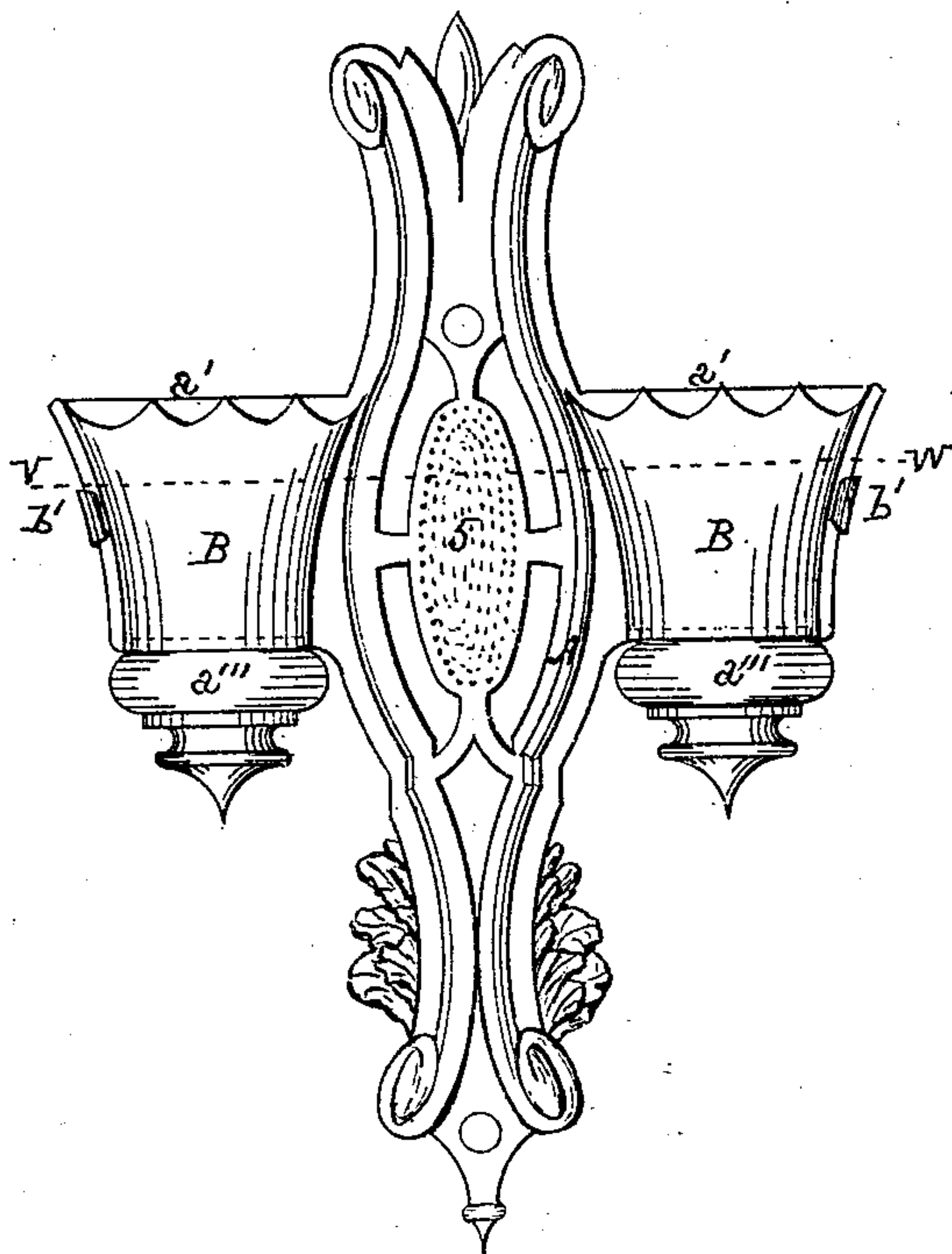


Fig. 2.

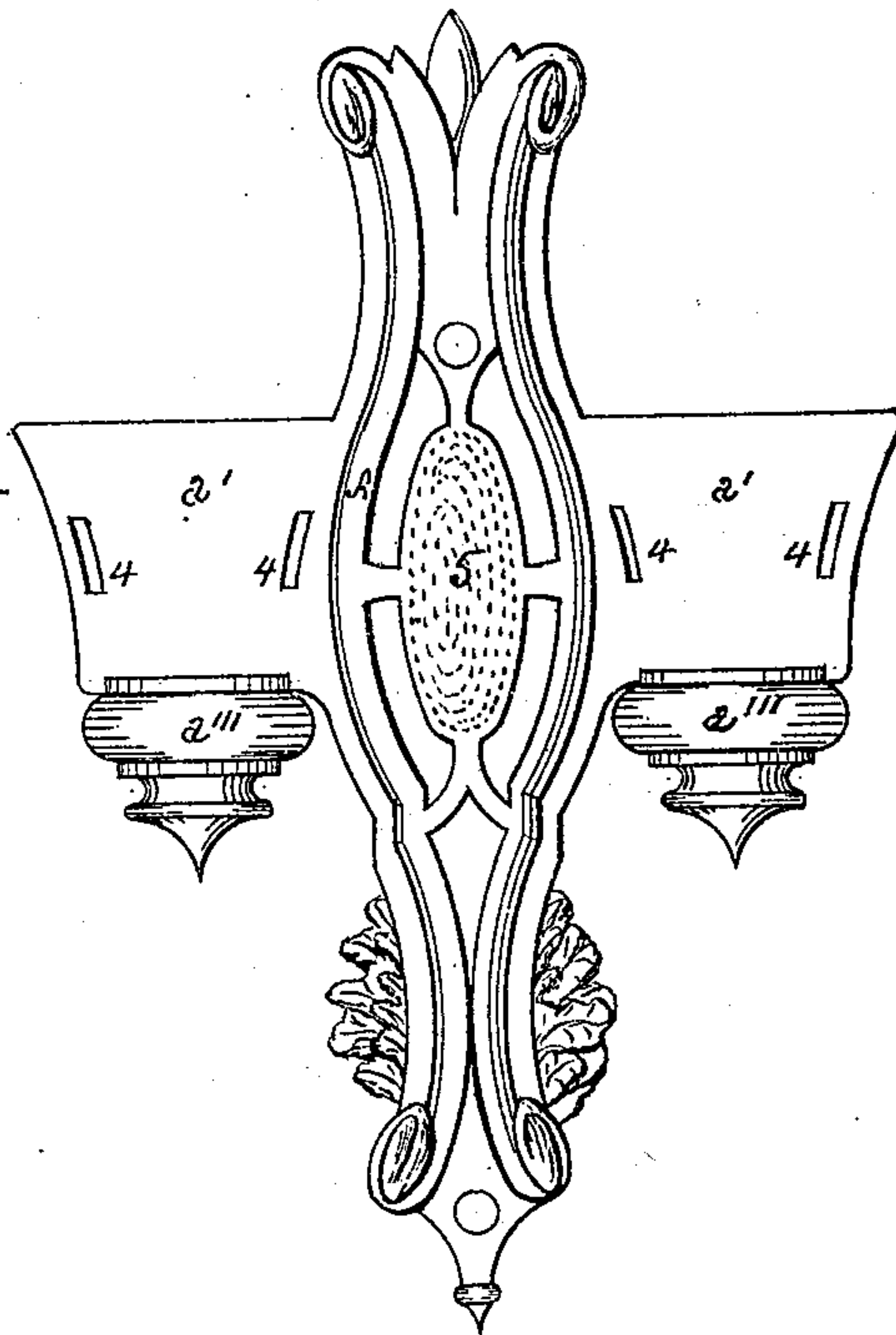


Fig. 3.

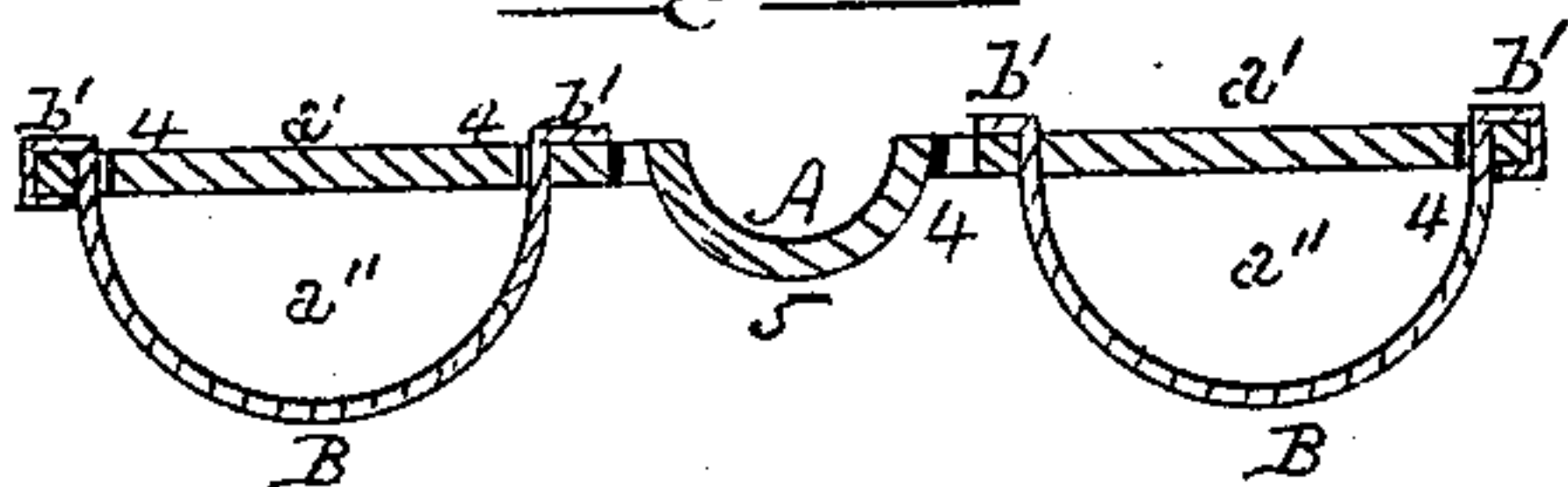
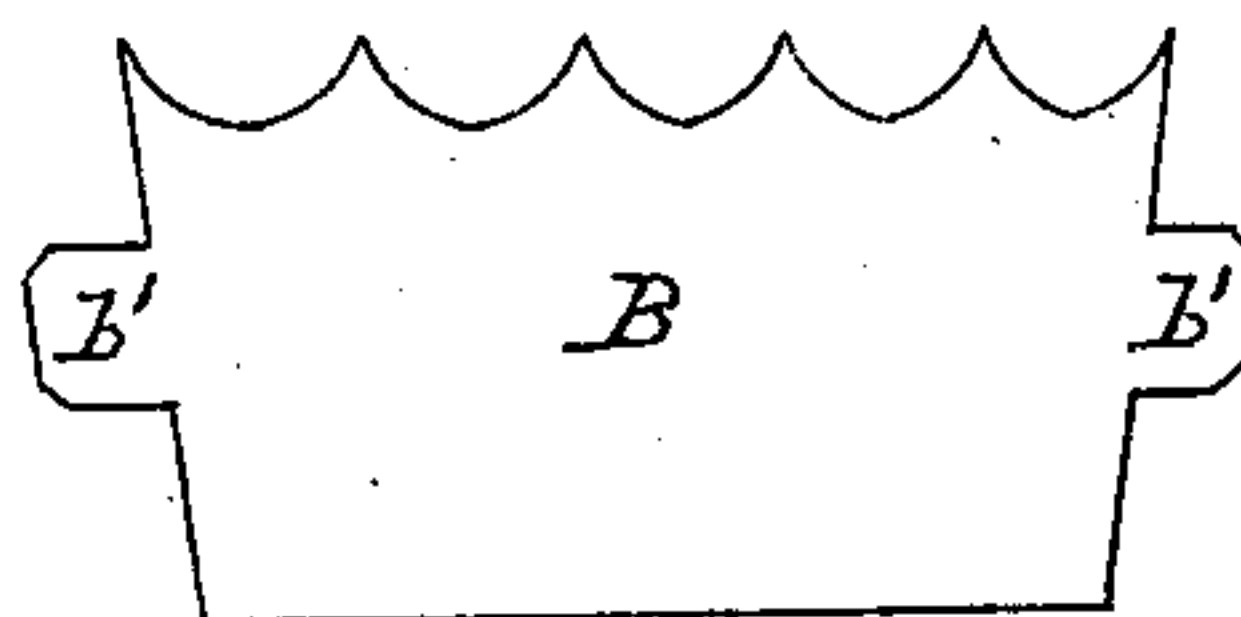


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

JAMES FALLOWS, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN MANUFACTURE OF METALLIC MATCH-SAFES.

Specification forming part of Letters Patent No. 124,043, dated February 27, 1872.

SPECIFICATION.

I, JAMES FALLOWS, of the city of Philadelphia, in the State of Pennsylvania, have invented certain Improvements in the Manufacture of Metallic Match-Safes, of which the following is a specification:

Nature and Objects of the Invention.

My invention relates to the manufacture, on a large scale, for the trade, at a greatly-reduced cost, those match-safes which are each constructed of cast metal in one piece; and this I accomplish by casting the bottom portion only of the receptacle with the supporting-plate thereof in one piece, and then attaching an upper portion of sheet metal, to complete the receptacle, by means of a projecting tongue left at each end of the plate in "cutting out," and inserting these tongues through appropriate slots, (cast in the back or supporting plate for the purpose,) and then clinching the same by bending them down closely against the back part or edge of the said supporting-plate. The object in thus forming the receptacle partly of cast and partly of sheet metal is to avoid the necessity of using a three-part flask, and the consequent insertion of a core, in order to form the whole receptacle and the supporting-plate in one piece. A two-part flask answers the purpose of molding the bottom of the receptacle and its supporting-plate in one piece, and without an adjustable core to produce the cavity required for the receptacle, thus saving the difference in time, labor, and expense between using the three-part and the two-part flasks, while the cost of cutting, stamping, and attaching the sheet-metal portion of the receptacle is but a trifle in comparison.

Description of the Accompanying Drawing.

Figure 1 is a front elevation of a match-safe with two receptacles embodying my invention.

Fig. 2 is a like elevation without the sheet-metal portion of the receptacles. Fig. 3 is a horizontal section just below the dotted line V W of Fig. 1. Fig. 4 is a plan view of the sheet-metal portion of the receptacle cut ready for application to the cast-metal portion.

General Description.

The cast-metal plate A is flat, with the exception of the bas-relief ornamentations between the parts $a' a'$, to which the sheet-metal plates B B are directly applied (see Figs. 1 and 3) to form the curved fronts of the receptacles $a'' a''$ for the matches, and of the bottoms $a''' a'''$ of the said receptacles, which are ornamented, semicircular, hollow, front projections, closed at their tops, which are flat, and form the bottoms, respectively, for the two receptacles $a'' a''$, which are formed by the sheet-metal plates B B, curved to correspond with the curve of the bottoms, and secured to the plate A by bending down their respective tongues $b' b'$ against the back of the plate A after the said tongues $b' b'$ have been inserted through their respective slots 4 4, which are cast in the said plate for the purpose. Between the two receptacles $a'' a''$ the bas-relief oval 5 is roughened by cementing-sand or broken glass upon it as a scratcher, and the whole safe then painted in an ornamental manner.

Fig. 1 represents the finished article.

Claim.

As an improved article of manufacture, I claim as my invention a match-safe constructed of cast and sheet metal, connected together substantially as and for the purpose hereinbefore set forth.

JAS. FALLOWS.

Witnesses:

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