

T. F. HAMMER.

Lamp.

No. 100,398.

Patented March 1, 1870.

Fig. 1.

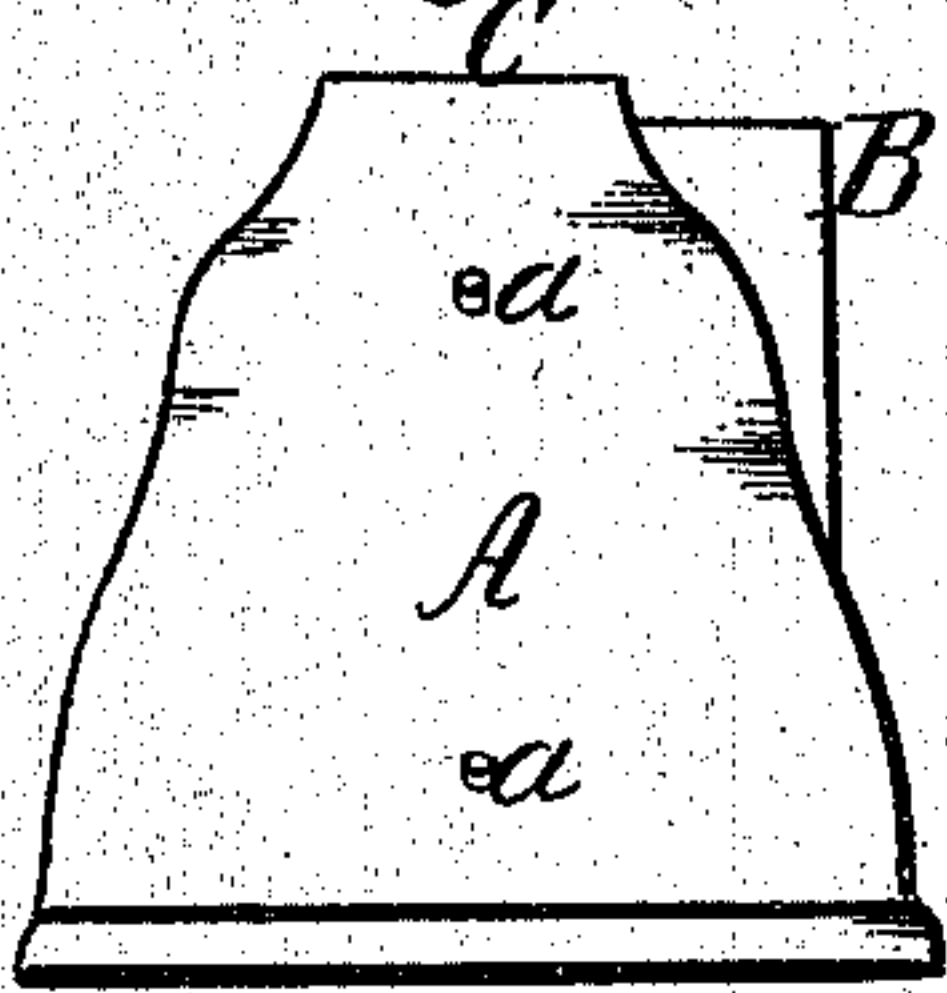


Fig. 2.

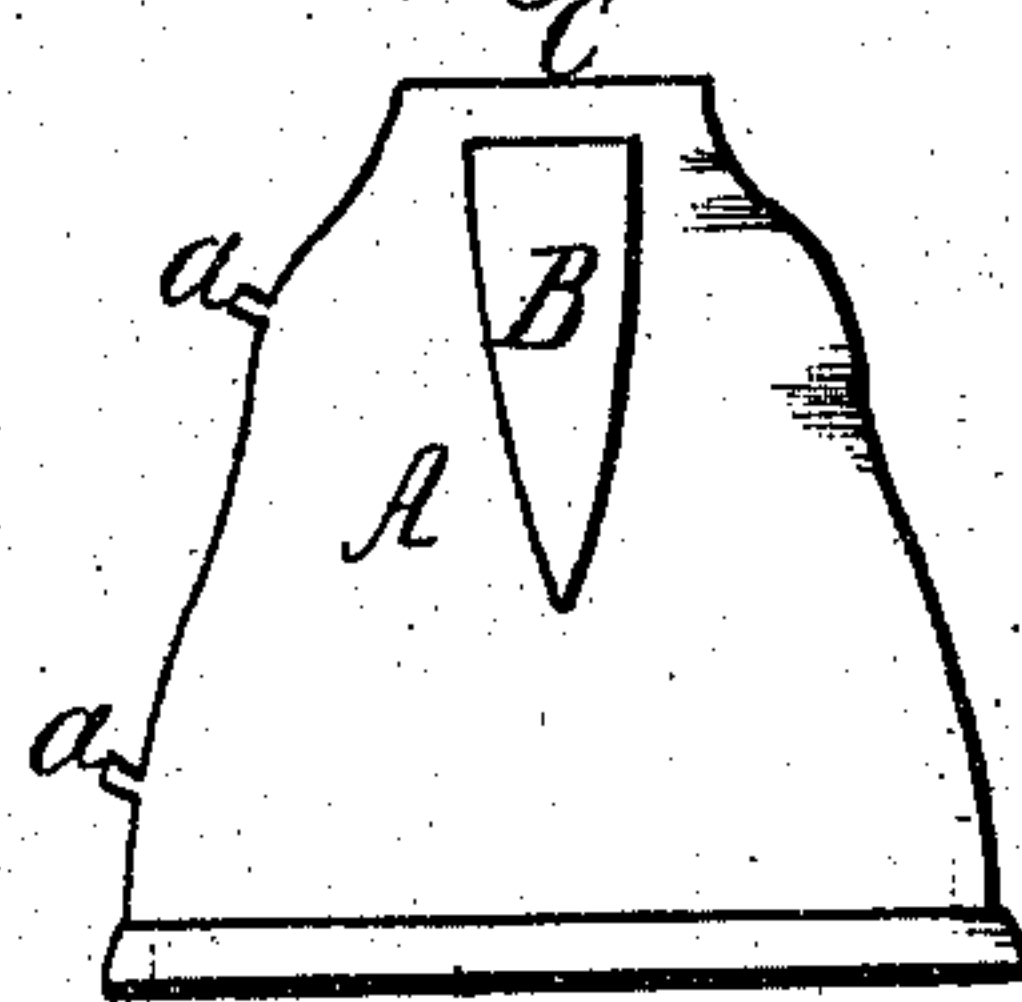


Fig. 3.

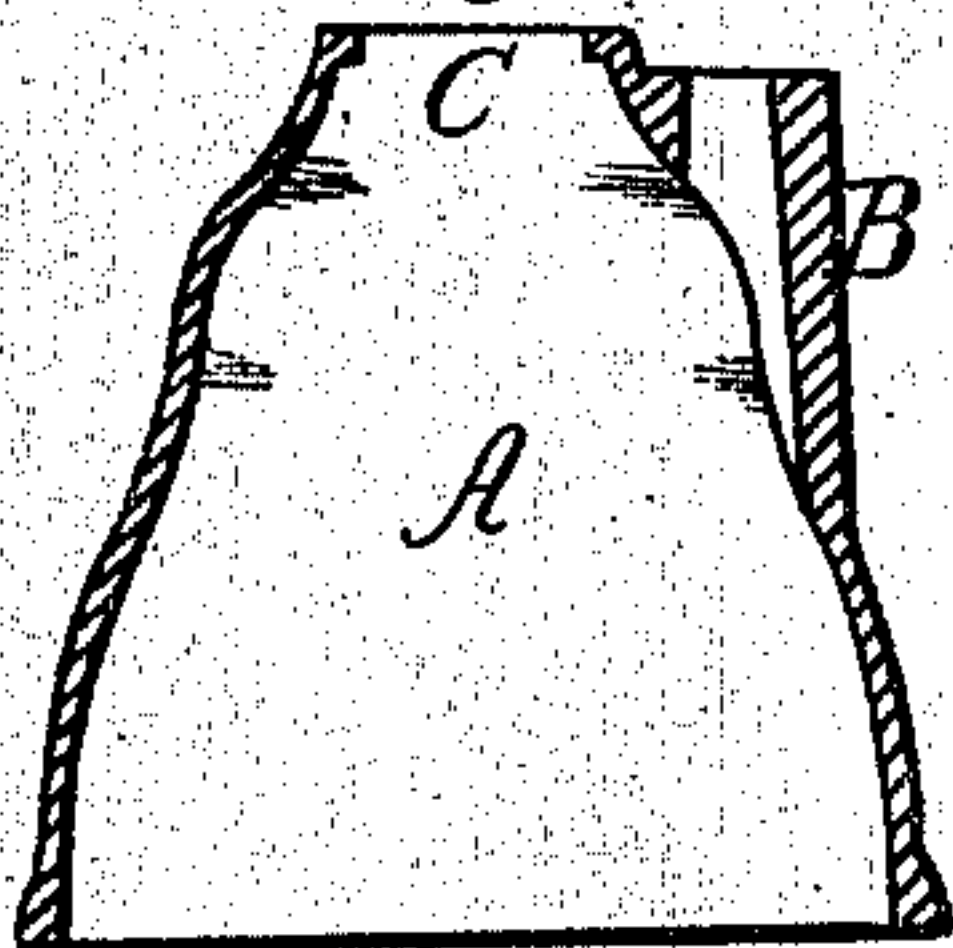


Fig. 4.

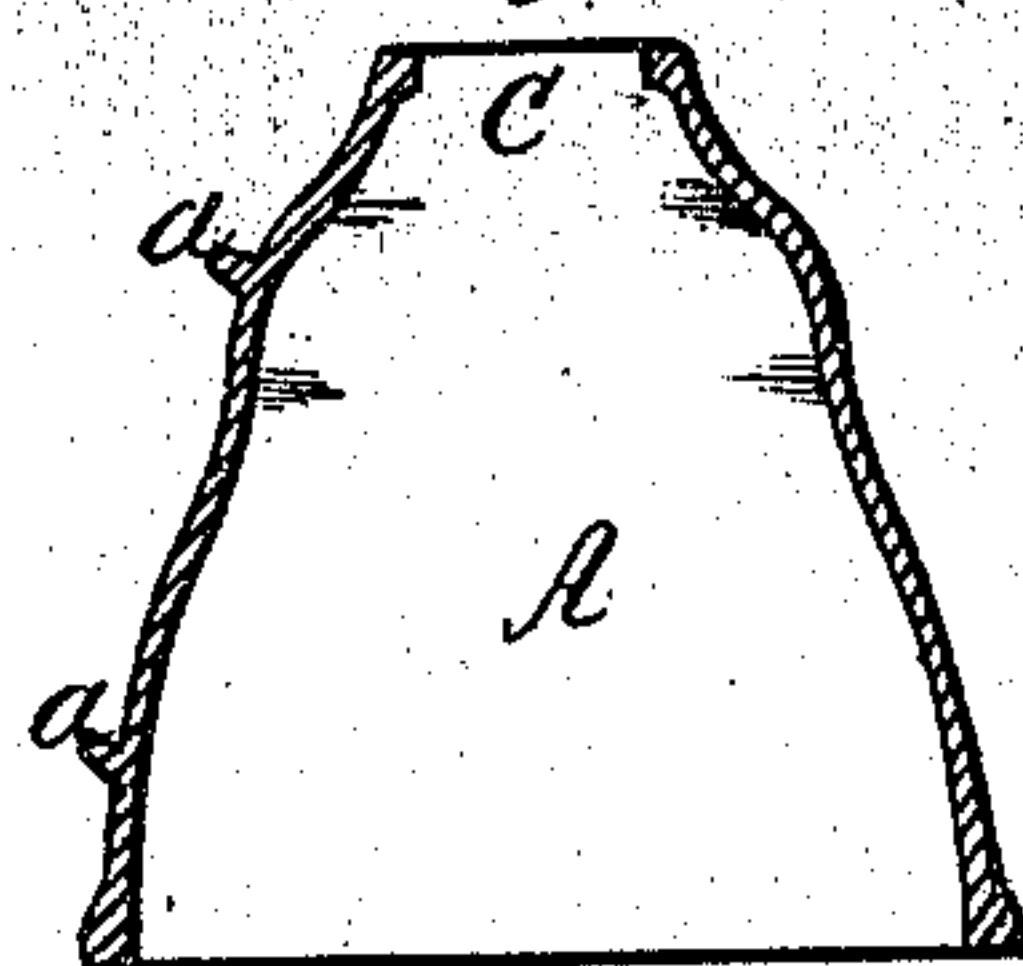


Fig. 5.

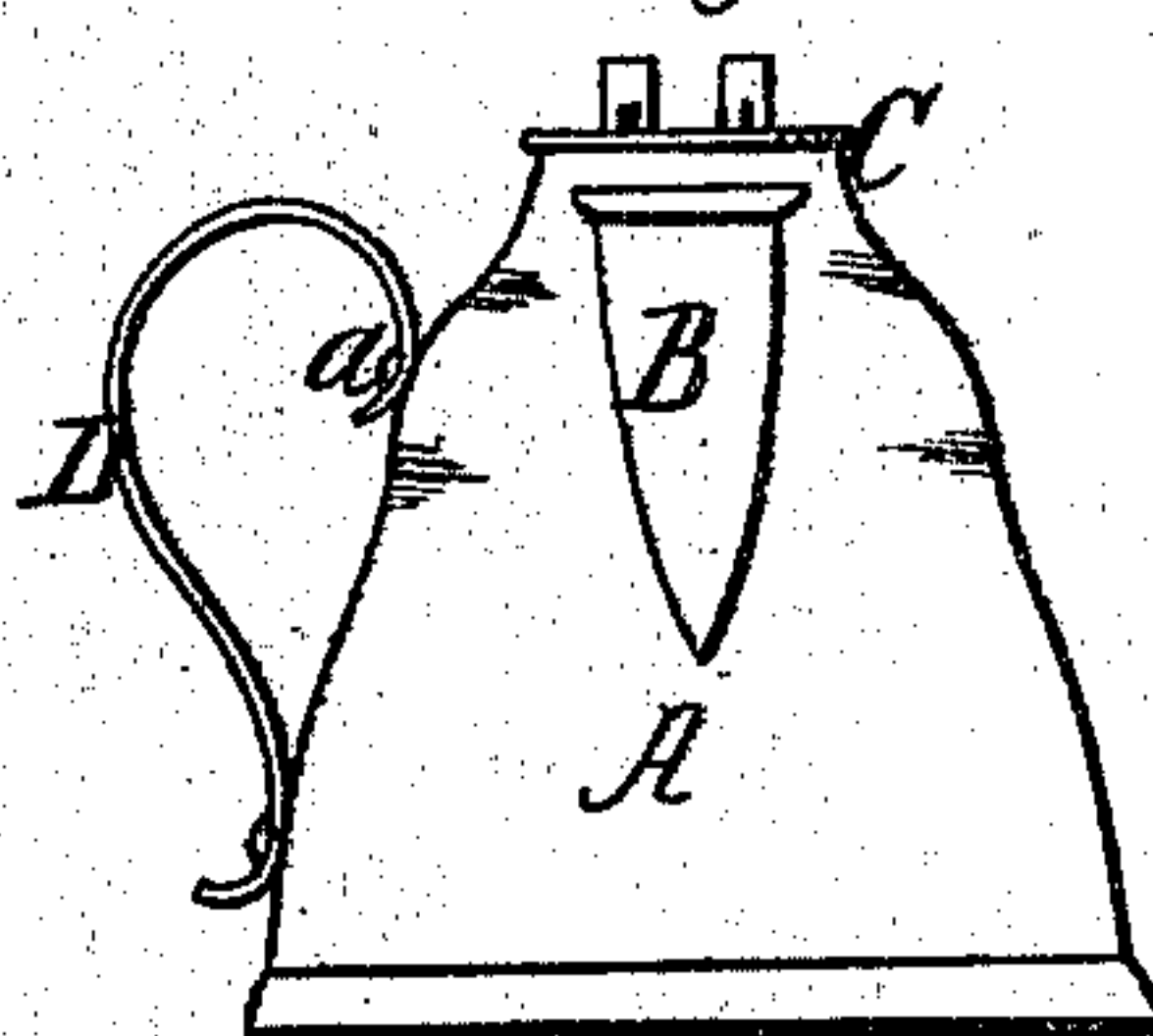
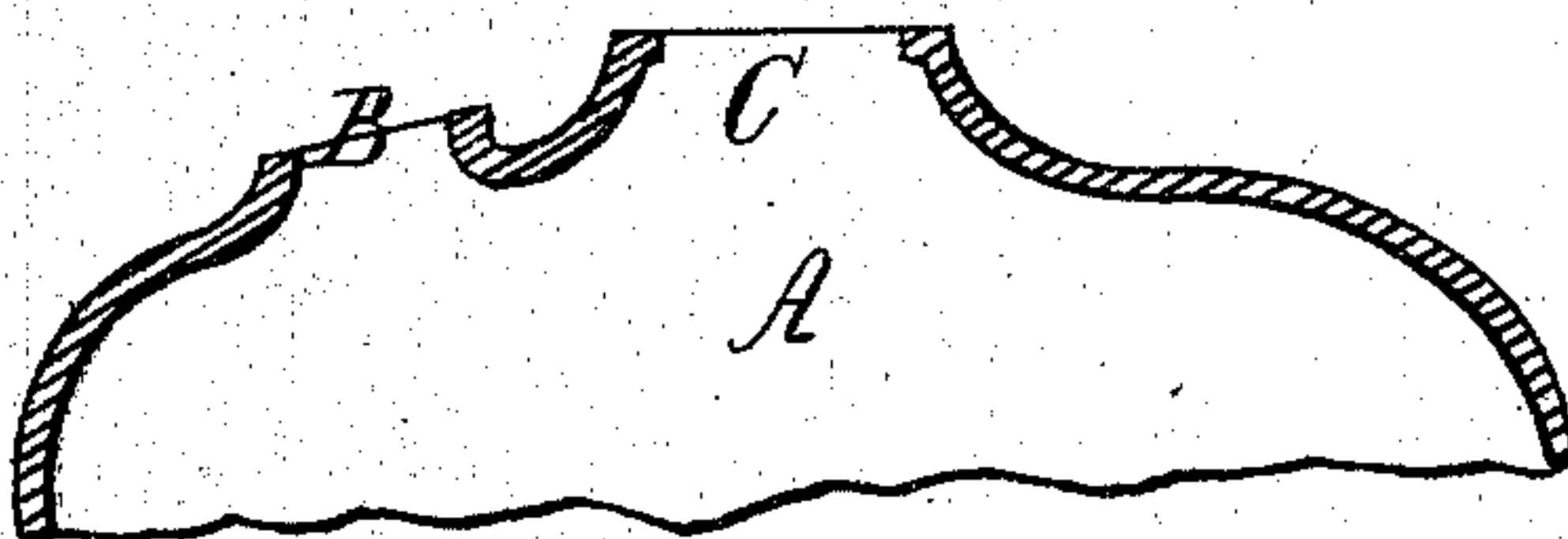


Fig. 6.



Witnesses;

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By his Attorney.

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UNITED STATES PATENT OFFICE.

T. F. HAMMER, OF BRANFORD, CONNECTICUT.

IMPROVEMENT IN CAST-METAL LAMPS.

Specification forming part of Letters Patent No. 100,398, dated March 1, 1870.

To all whom it may concern:

Be it known that I, T. F. HAMMER, of Branford, in the county of New Haven and State of Connecticut, have invented a new Improvement in Cast-Metal Lamps; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of the casting; Fig. 2, a side view turned one-fourth around from Fig. 1; Fig. 3, a vertical central section in the position of Fig. 1; Fig. 4, a like section of Fig. 2; Fig. 5, the lamp complete, and in Fig. 6 a section of the body of a hanging-lamp constructed in like manner.

This invention is designed for lamps for the use of manufacturers where they are liable to break, but for some advantages are adapted for other purposes; and the invention consists, first, in forming the body from cast metal, so as to form the neck and filling-tube all in the same piece and at the same operation; also, in forming upon the body, during the process of casting, projecting studs, as a means of securing the handle to the lamp, or as a means of suspending the lamp.

A is the body of the lamp; B, the filling-tube; the body A formed with a neck, C, and cast from metal, by molding in the usual manner, the neck and filling-tube being formed

so that they may be tapped out and fitted with caps, as seen in Fig. 5. I prefer to cast these lamps from iron made malleable, as less liable to breakage or injury than any other cheap metal.

In hanging lamps the casting is made in substantially the same manner, with the filling-tube and wick-neck in about the same relative position as in Fig. 7. The form of the lamp is immaterial, though for hand-lamps the shape shown in Figs. 1 and 2 is believed to be the most desirable.

To hand-lamps it is necessary that the handle D be attached, as seen in Fig. 6. To this end I form, in the process of casting, studs *a* upon the body of the lamp, upon which the handle is placed, (being previously perforated accordingly,) then the studs riveted down onto the handle, as seen in Fig. 5.

I claim as my invention—

1. A cast-metal lamp consisting of the body A, tube B, and projections *a*, all in one and the same piece, and produced at the same operation of casting.

2. In cast-metal lamps, the projections *a a*, cast and formed upon the body during the process of casting, substantially in the manner and for the purpose specified.

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Witnesses:

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