

No. 665,630.

Patented Jan. 8, 1901.

J. L. CRANDALL.

PADLOCK.

(Application filed Jan. 20, 1900.)

(No Model.)

FIG. 1.



FIG. 2.

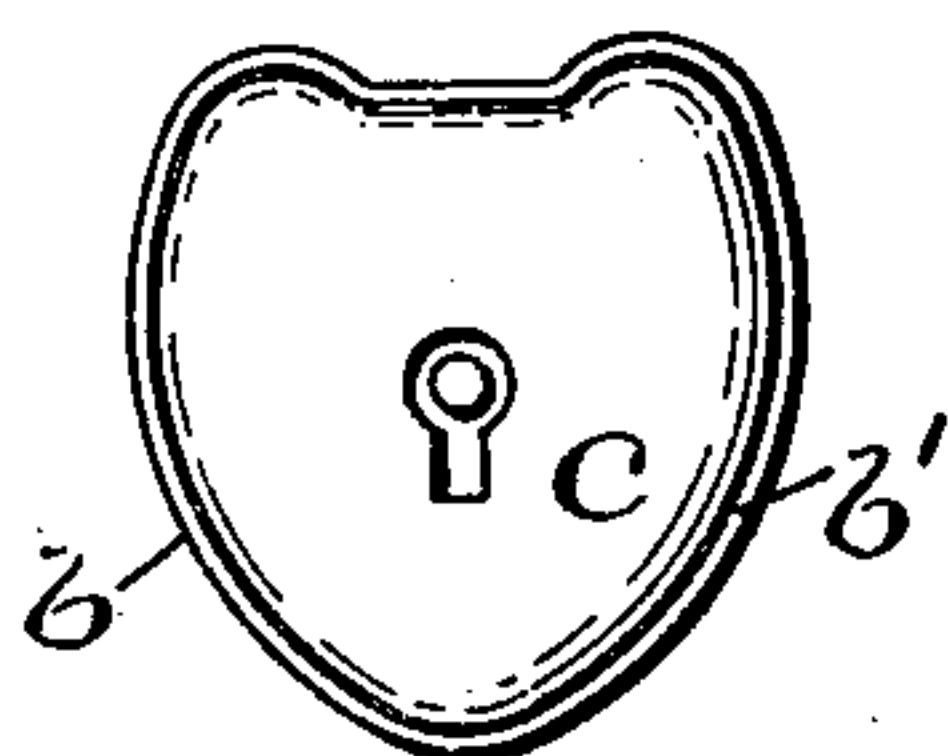


FIG. 3.

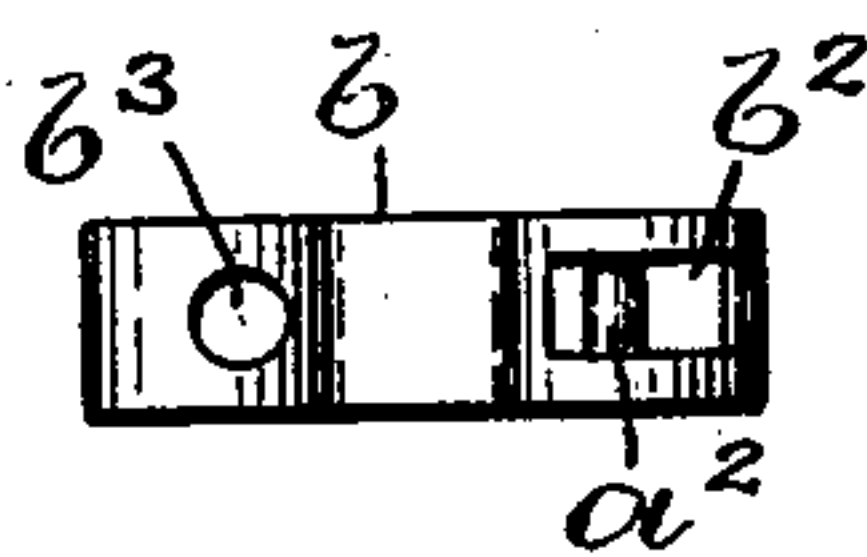


FIG. 4.

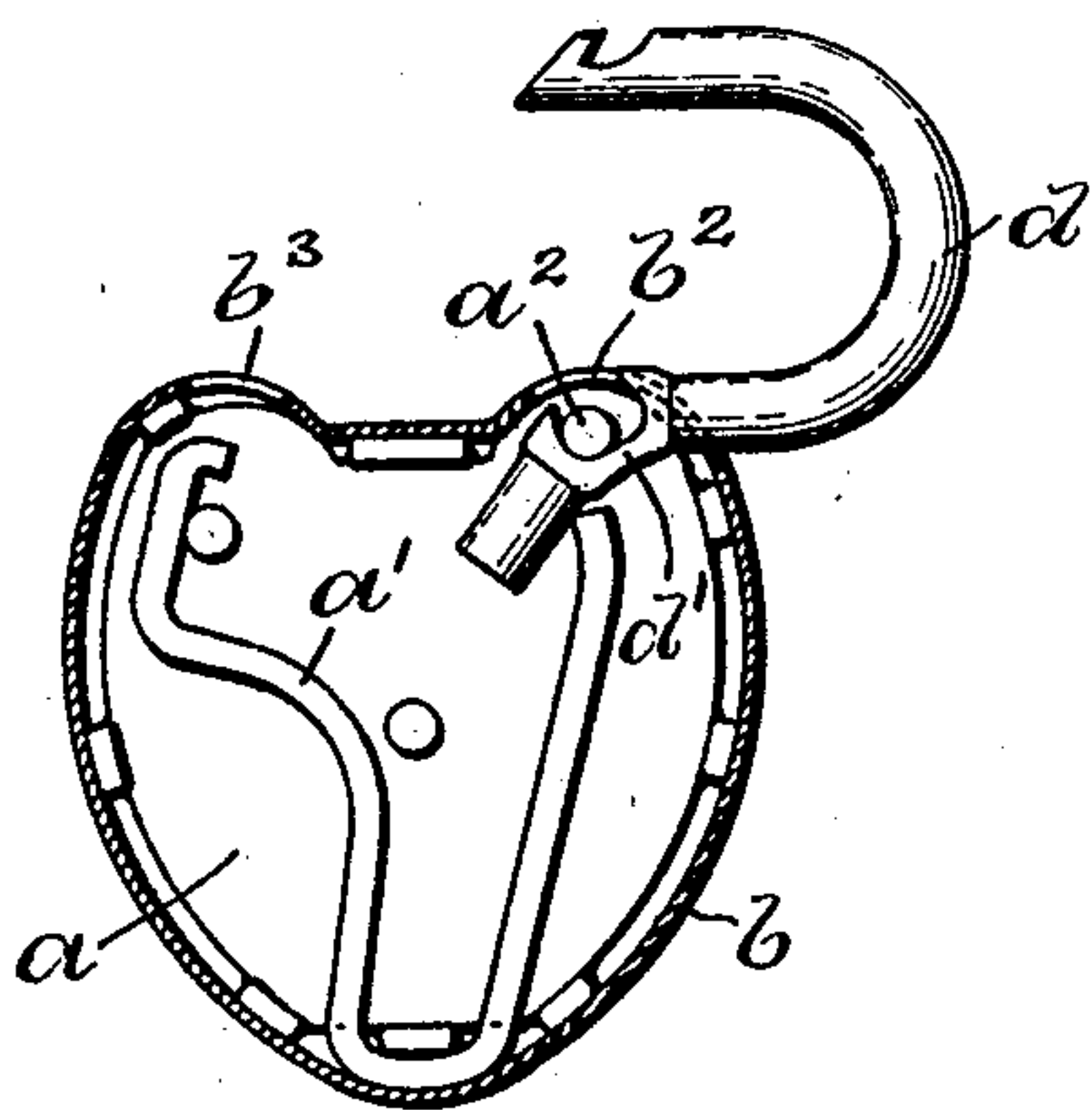
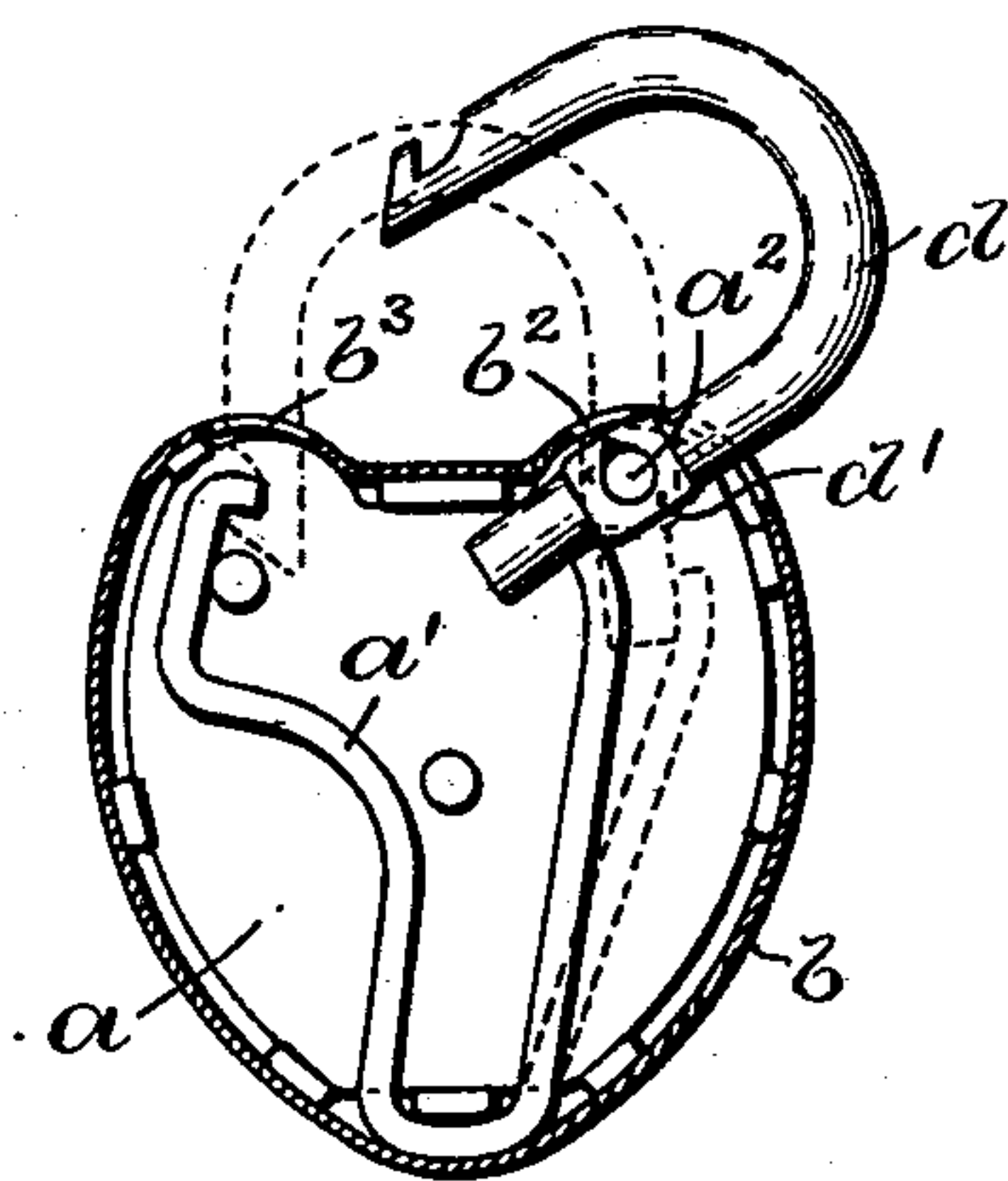


FIG. 5.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOSEPH L. CRANDALL, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO  
JOSEPH L. CRANDALL & CO., OF SAME PLACE.

## PADLOCK.

SPECIFICATION forming part of Letters Patent No. 665,630, dated January 8, 1901.

Application filed January 20, 1900. Serial No. 2,089. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH L. CRANDALL, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Padlocks, of which the following is a specification.

This invention relates to padlocks such as are adapted for use as jewelry pendants and charms, and is an improvement on the padlock shown and described in United States Patent No. 618,561, granted January 31, 1899, to Joseph L. Crandall, assignor to Joseph L. Crandall & Company, for an improvement in padlocks.

The invention consists in the peculiar and novel construction of a bail and the combination of the parts, more fully set forth hereinafter.

In the construction of ornamental padlocks it is desirable to avoid the use of solder and the heat necessary to fuse the solder. To this end the edges of the casing are bent over the front plate and secured by suitable dies. In the construction shown in the patent above referred to openings had to be cut into the outer casing to permit the casing to pass by the ends of the bail, which bail was secured to the inner plate. The dies for securing the edges of the casing to the front plate were difficult of construction and manipulation, because the bail was attached to and projected from the padlock.

The object of the present invention is to provide a bail that can be secured to the inner plate of the padlock after the casing has been secured to the front plate and secure the continuity of the overlapping margin of the casing.

Figure 1 is a side view of the improved bail. Fig. 2 is a front view of the padlock without the bail, showing the continuous overlapping margin. Fig. 3 is an end view of the padlock, showing the openings for the insertion of the ends of the bail. Fig. 4 is a sectional view of the padlock, showing the improved bail inserted into the completed body of the padlock. Fig. 5 is a sectional view of the padlock, showing the improved bail secured to the hinge-post of the padlock.

In the drawings, *a* indicates the inner plate, to which the spring *a'*, the post *a<sup>2</sup>* for the bail, and the peripheral supports for the front are

secured; *b*, the outer casing of precious metal or sheet metal plated with precious metal. The casing *b* is drawn up in suitable dies to form the back and the sides of the padlock. *c* indicates the front plate of the padlock, and *b'* the marginal edge of the casing *b*, turned by the use of suitable dies over the front plate *c*. The opening *b<sup>2</sup>* extends through the side of the outer casing *b*, near the post *a<sup>2</sup>*, on which the bail is pivotally secured. The opening *b<sup>3</sup>* serves for the insertion of the locking end of the bail. Fig. 3 shows the openings *b<sup>2</sup>* and *b<sup>3</sup>* and the continuity of the edge of the casing *b*, which forms the margin *b'* in the completed padlock.

The bail *d* is formed with the open hinge-block *d'*, which may be inserted through the opening *b<sup>2</sup>* and passed between the end of the spring *a'* and the post *a<sup>2</sup>*, as is shown in Fig. 4. The end of the spring *a'* may be held back by a wire or a suitable tool to facilitate the insertion of the hinge end of the bail. The hinge-block *d'* is now closed around the post *a<sup>2</sup>* by inserting a suitable tool through the opening *b<sup>2</sup>* and back of the lower end of the hinge-block. The lower end of the hinge-block is then forced toward the catch until the open ends of the block are brought into contact with each other, and the block is then closed around the post *a<sup>2</sup>*, as shown in Fig. 5, and the padlock, the body of which has been previously finished, is now completed.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a padlock, openings in the sides of the padlock for the insertion of the ends of the bail, a hinge-post for the bail, and a bail having an open hinge-block constructed to be closed around the hinge-post, whereby the bail may be secured to the padlock after the body is completed.

2. A bail for a padlock, a hinge-block on the bail, open on one side so as to pass by the hinge-post, and constructed to be closed around the hinge-post, as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH L. CRANDALL.

Witnesses:

J. A. MILLER, Jr.,  
B. M. SIMMS.