

(No Model.)

O. C. RUMSEY.
DIE FOR FORMING METALLIC CLAMPS.

No. 500,618.

Patented July 4, 1893.

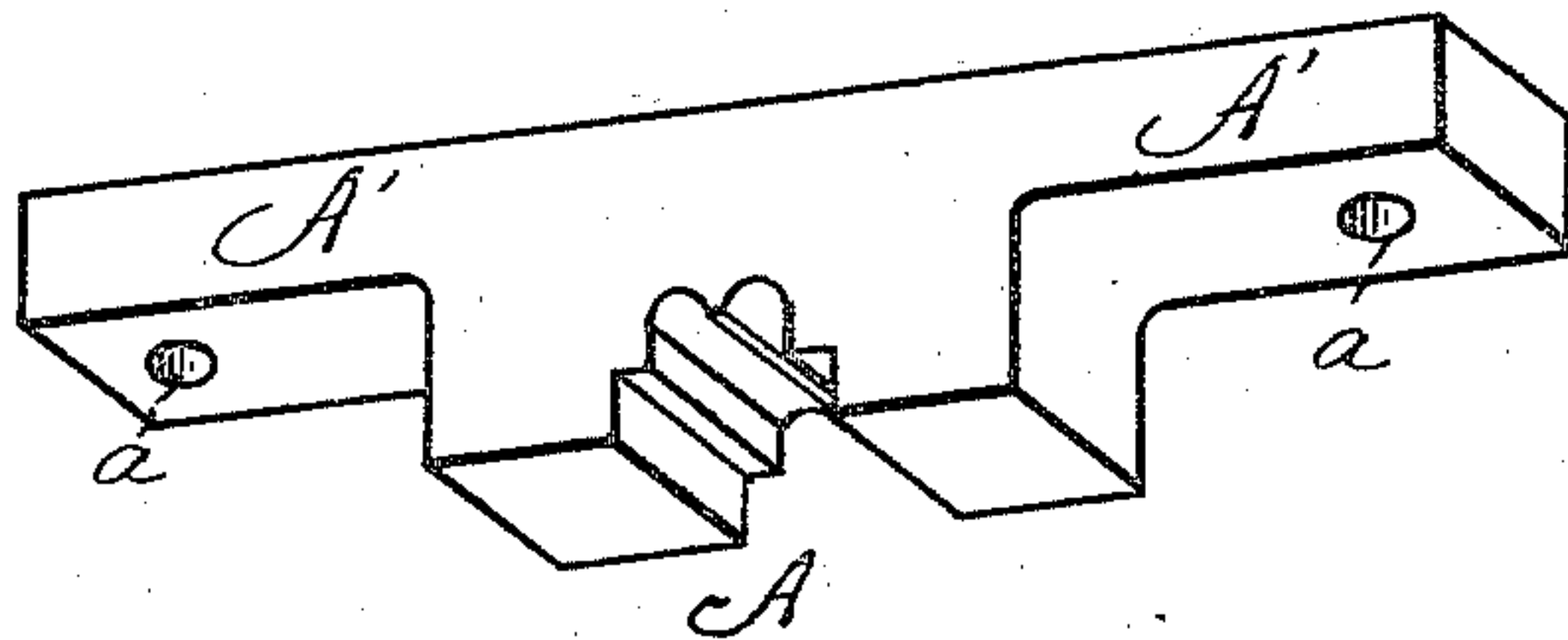


Fig. 1.

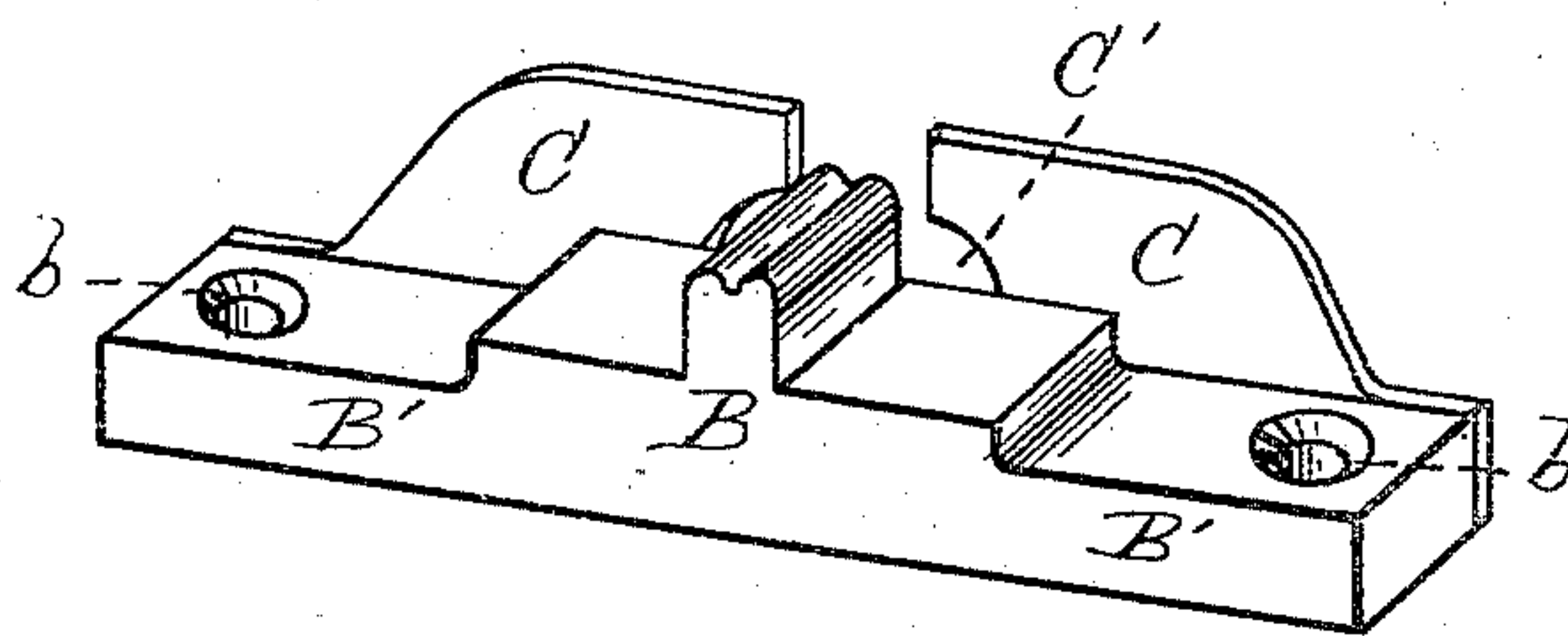


Fig. 2.

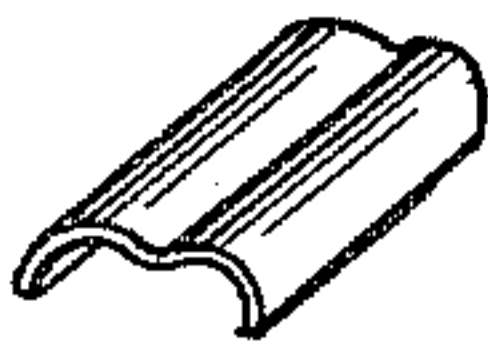


Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

OSCAR C. RUMSEY, OF WHITMAN, ASSIGNOR TO THE ATLAS TACK CORPORATION, OF BOSTON, MASSACHUSETTS.

DIE FOR FORMING METALLIC CLAMPS.

SPECIFICATION forming part of Letters Patent No. 500,618, dated July 4, 1893.

Application filed March 10, 1893. Serial No. 465,392. (No model.)

To all whom it may concern:

Be it known that I, OSCAR C. RUMSEY, a citizen of the United States, residing at Whitman, in the county of Plymouth and State of Massachusetts, have invented a new and useful Improvement in Dies Used in Forming Metallic Clamps, of which the following is a specification.

This invention relates to a pair of dies used in forming metallic clamps intended principally for uniting adjacent springs in spring beds; and it consists in the novel construction hereinafter described, whereby the die provides a gage and also furnishes a passage through which the piece of metal may be passed after having been operated on, say to another pair of dies.

In the accompanying drawings, Figure 1 represents a perspective view of the upper die and Fig. 2 is a similar view of the lower die. Fig. 3 represents the product after having been pressed between the dies.

A represents the operative portion of the upper die, integral with a base A'. B represents the operative portion of the lower die, integral with a base B'. Ordinary holes *a b* are provided for guides.

C C are two thin upright plates secured to the rear side of the base B' of the lower die and extending vertically up therefrom behind the die proper. Each of these plates, which, preferably do not meet, has a curved passage C' cut across the corner formed by its inner

and lower edges, the two passages forming an arch or way.

When the piece of stock is laid or pushed on the die B' to be formed, it is pressed against the plates C which thus constitute a gage. After the die A' has descended upon it and formed it into the shape shown in Fig. 3, it can be pushed by the next approaching piece of stock through the passages C' to be further operated upon or otherwise dealt with. This saves picking up and hence economizes time and expense. The process may be continuous, each approaching piece of metal pushing the product through the passage or arch in the gage-plates C.

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

In dies of the character described, the lower die comprising the base B', die proper B, and gage and gage plates C, said plates extending up from the rear edge of the die and each having a passage C' formed by cutting off or across its inner lower edge, and said passages uniting behind the die proper, whereby the plates constitute a gage and the passages provide means for the automatic advance or removal of the product, in combination with the upper die A A', substantially as set forth.

OSCAR C. RUMSEY.

Witnesses:

JOSEPH PETTEE, Jr.,
HARRY N. KETH.