

(No Model.)

W. W. ARCHIBALD.
CLAMP FOR MOLDERS' FLASKS.

No. 474,352.

Patented May 10, 1892.

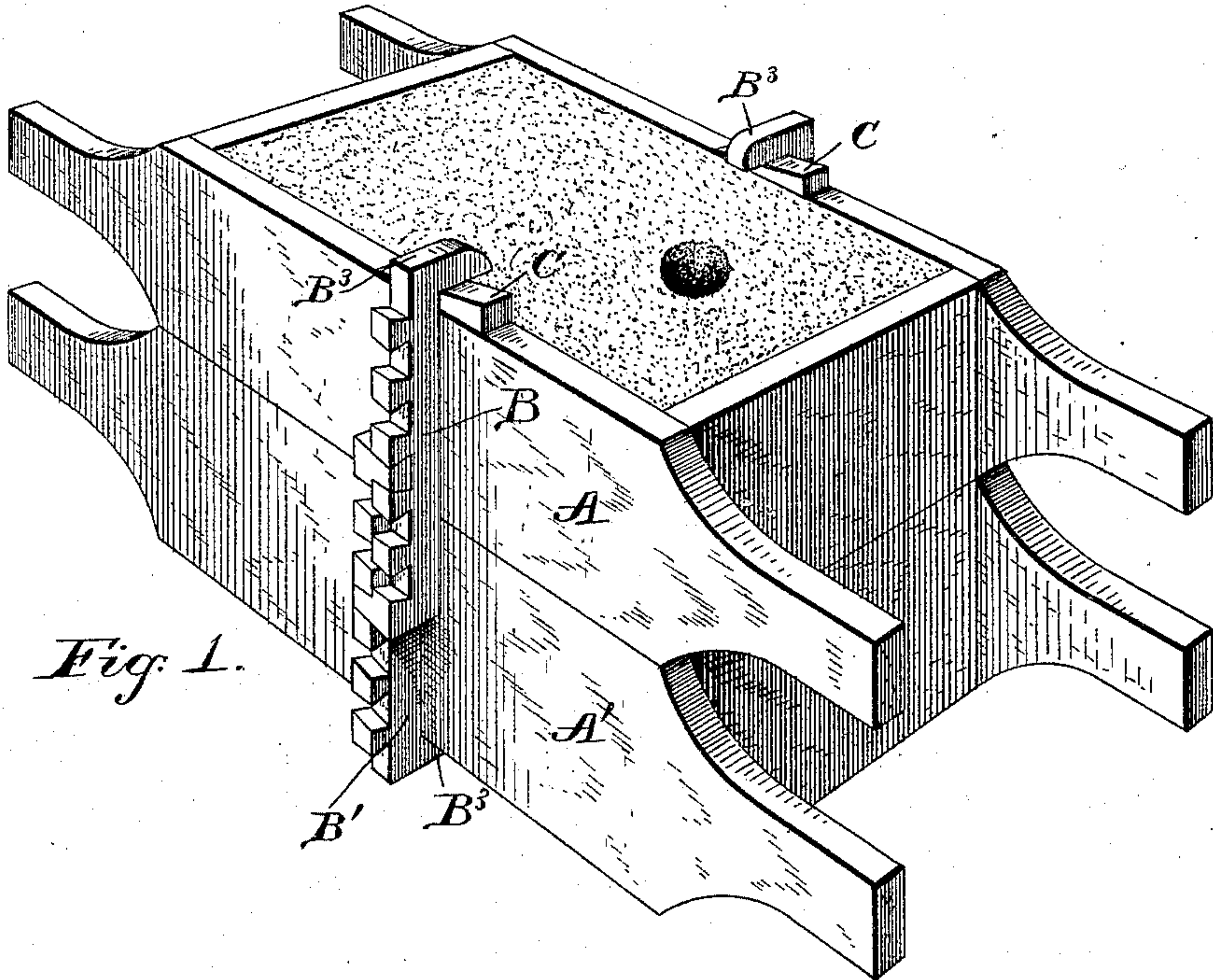


Fig. 1.

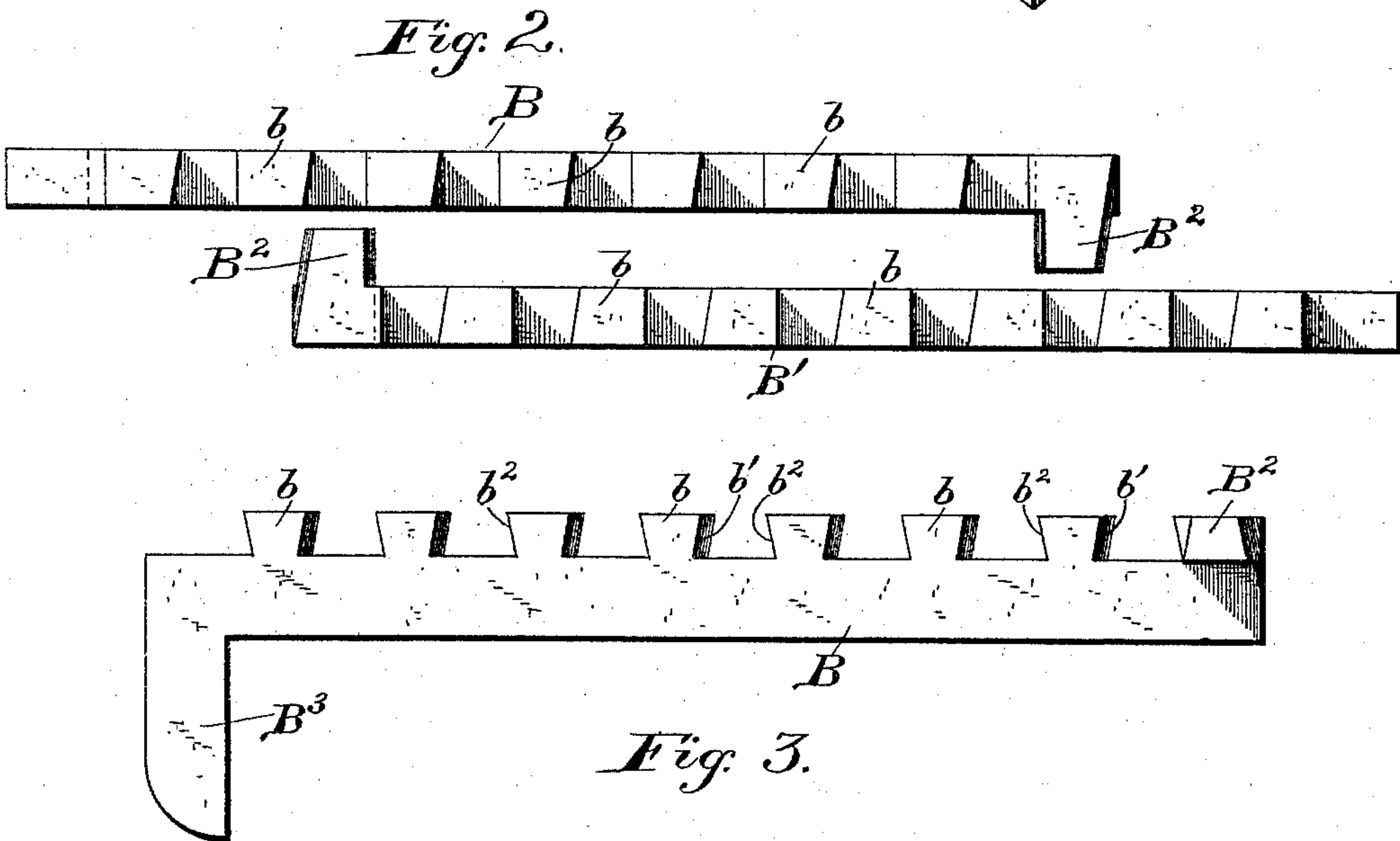


Fig. 2.

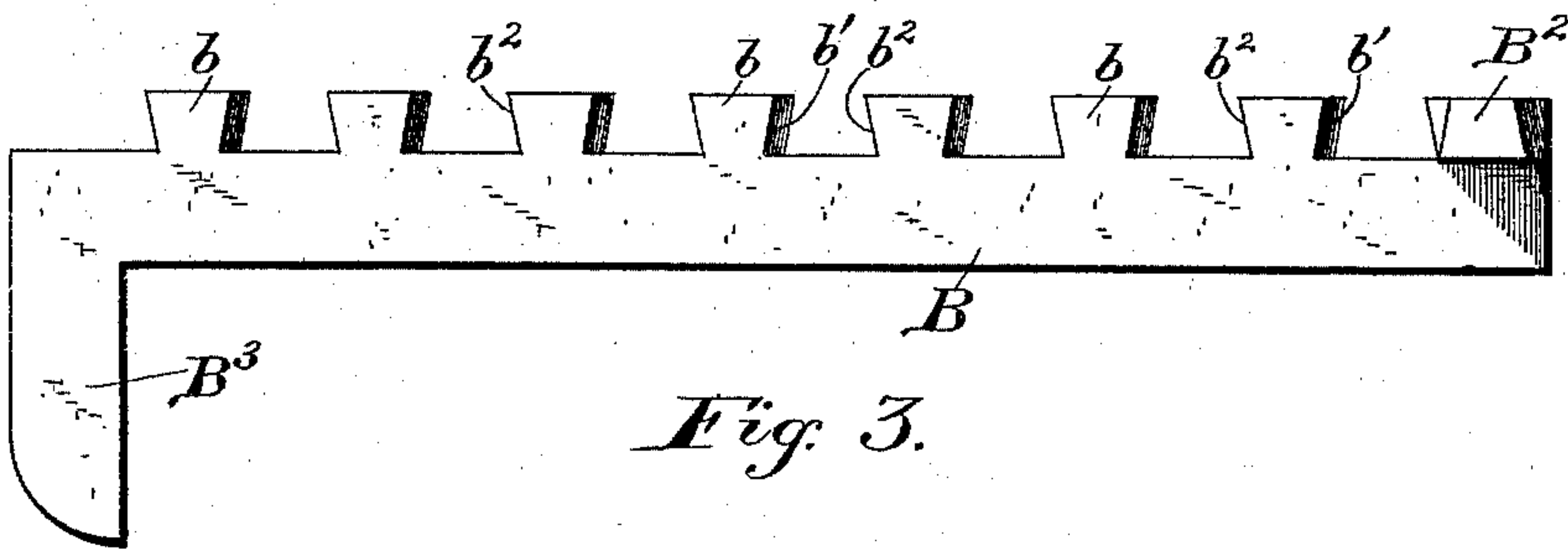


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM W. ARCHIBALD, OF NEWPORT NEWS, VIRGINIA.

CLAMP FOR MOLDERS' FLASKS.

SPECIFICATION forming part of Letters Patent No. 474,352, dated May 10, 1892.

Application filed November 14, 1891. Serial No. 411,920. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. ARCHIBALD, a citizen of the United States, residing at Newport News, in the county of Warwick and State of Virginia, have invented certain new and useful Improvements in Clamps for Molders' Flasks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to clamps for molders' flasks; and it consists of the certain novel parts and arrangement thereof hereinafter described and claimed.

Reference is had to the accompanying drawings, wherein the same parts are indicated by the same letters.

Figure 1 represents a perspective view of an ordinary form of molder's flask, the parts being clamped together according to my invention. Fig. 2 represents a side view of two of the clamp-pieces and illustrates the method of interlocking the same, and Fig. 3 represents an end view of one of the two interlocking pieces which together constitute the clamp.

A and A' represent the two sections of the flask, which may be of any desired shape.

B and B' represent two clamp-pieces, which are usually cast in the same mold and are exactly similar in every respect. They are preferably made of cast-iron on account of its cheapness, although many other metals would do equally well. One edge of each clamp-piece is divided by lugs *b* into a number of notches, whose sides *b'* *b*² are slightly dovetailed, and at the same time the sides *b'* taper somewhat, so that the protruding arms B²,

whose sides also taper upward and outward, may readily be slipped into any of the said notches and be wedged therein snugly. The holding-arms B³ are adapted to go over and under the sides of the flask, and the wedges C press the two sections A and A' of the flask firmly together. It will be obvious that the two clamp-pieces may be readily applied or removed, that they need no special clamping apparatus, such as clamp-screws, bands, &c., and that they constitute an exceedingly cheap, convenient, and simple means of securing the two sections of the flask together.

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

1. A clamp for molders' flasks, consisting of two symmetrical and reversible rectangular pieces having holding-arms at their outer ends, dovetailed grooves on the side opposite said holding-arms, and wedge-shaped locking-arms adapted to slide into said dovetailed grooves, substantially as described.

2. A clamp for molders' flasks, consisting of two symmetrical and reversible rectangular pieces B, having holding-arms B³, adapted to engage the sides of the flask, lugs *b*, having inclined sides *b'* and *b*², forming wedge-shaped dovetail grooves, and wedge-shaped arms B², adapted to engage in any of said grooves, substantially as and for the purposes described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM W. ARCHIBALD.

Witnesses:

F. W. SANFORD,
S. J. WRIGHT.