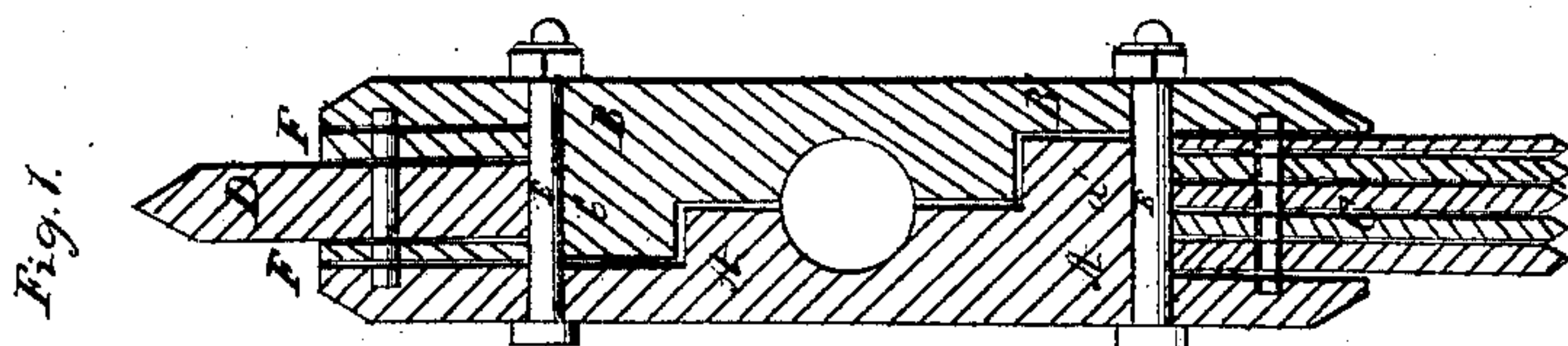
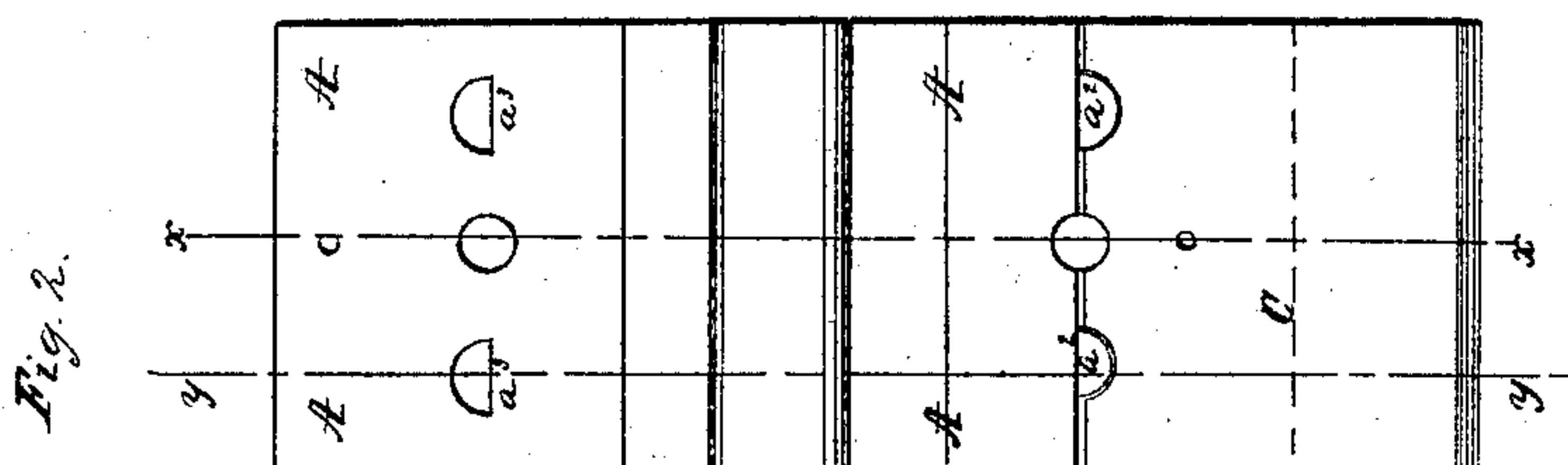
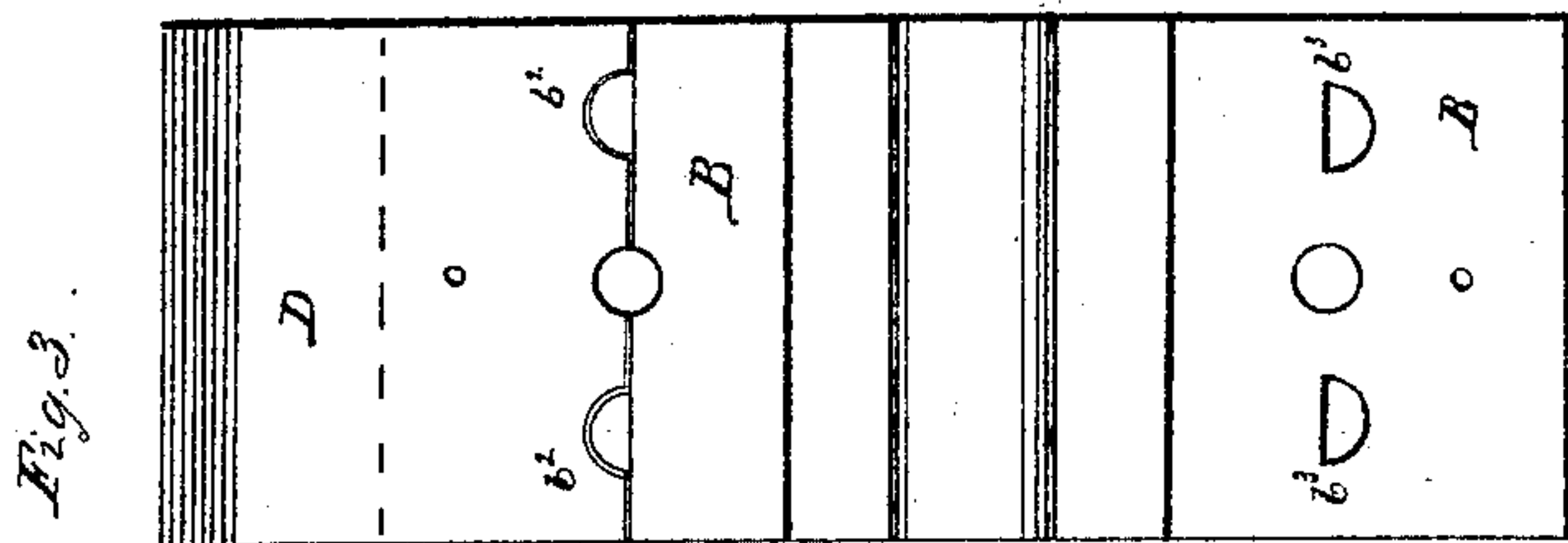
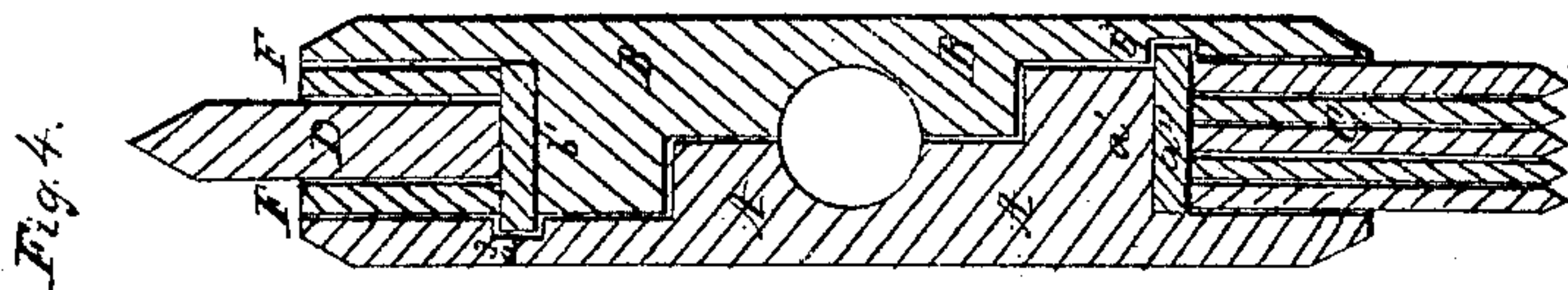


A. Wheeler,
Millstone Tool.
No 59,491. *Patented Nov. 6, 1866.*



Witnesses:
J. M. B. Conington
Wm. Freurn.

Inventor:
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Attorneys

UNITED STATES PATENT OFFICE.

ALBERT WHEELER, OF GLOUCESTER, MASSACHUSETTS.

IMPROVED BUSH-HAMMER.

Specification forming part of Letters Patent No. 59,491, dated November 6, 1866.

To all whom it may concern:

Be it known that I, ALBERT WHEELER, of Gloucester, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Bush-Hammers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal section taken through the line xx , Fig. 2. Fig. 2 is an inside view of one of the parts of the body of the hammer. Fig. 3 is an inside view of the other part of the body of the hammer. Fig. 4 is a longitudinal section taken through the line yy , Fig. 2.

Similar letters of reference indicate like parts.

My invention has for its object to furnish an improved bush-hammer for dressing granite, from which the cutters may be readily removed for sharpening or for replacing them with a greater or less number, according to the fineness of the work to be done; and it consists of a hammer constructed and arranged as hereinafter more fully set forth.

A and B are the parts or halves of the body of the hammer, and they are exactly alike, each being provided with a shoulder, a^1 and b^1 , which, in connection with the half-round projections a^2 and b^2 , form the base for the support of the cutters C and D. These projections extend laterally beyond the shoulders a^1

and b^1 , and enter holes or cavities a^3 and b^3 , formed in the other part of the body of the hammer, so as to give a firmer support to the cutters C and D, as shown in Fig. 4. For convenience in putting the cutters in place and keeping their edges at the same height, they may be strung upon pins, the ends of which enter holes formed in the parts A and B for their reception, as seen in Fig. 1.

The two parts A and B of the body of the hammer are held together by bolts and nuts E, clamping the cutters C and D between the jaws of the said parts, as seen in Fig. 1. Slugs F should be provided for filling up the space between the cutters and the jaws of the parts A and B, when cutters less in number or thinner have been used. I make the body of the hammer of malleable cast-iron, the bolts and nuts of the best Swedish iron, and the half-round projections a^2 b^2 on the shoulders a^1 b^1 of cast-steel, though this is not essential, the object being to make the different parts of the hammer of such materials as will stand the work.

I claim as new and desire to secure by Letters Patent—

The shouldered plates A B, with the cavities a^3 and b^3 , in combination with the projections a^2 b^2 , as described, and with suitable cutters, and operating in the manner and for the purpose herein described.

ALBERT WHEELER.

Witnesses:

MICHAEL DULEY,
JOSHUA TUCKER, Jr.