

No. 672,408.

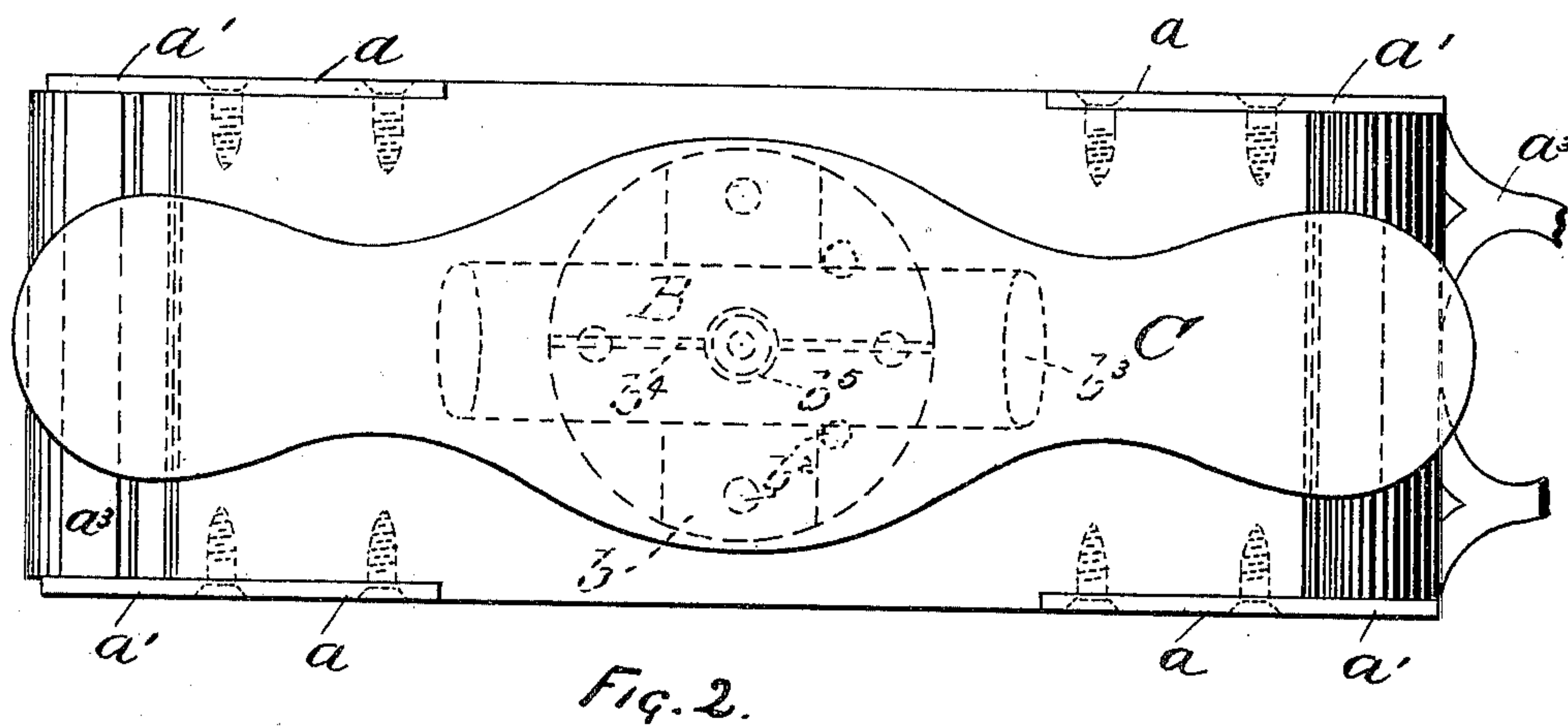
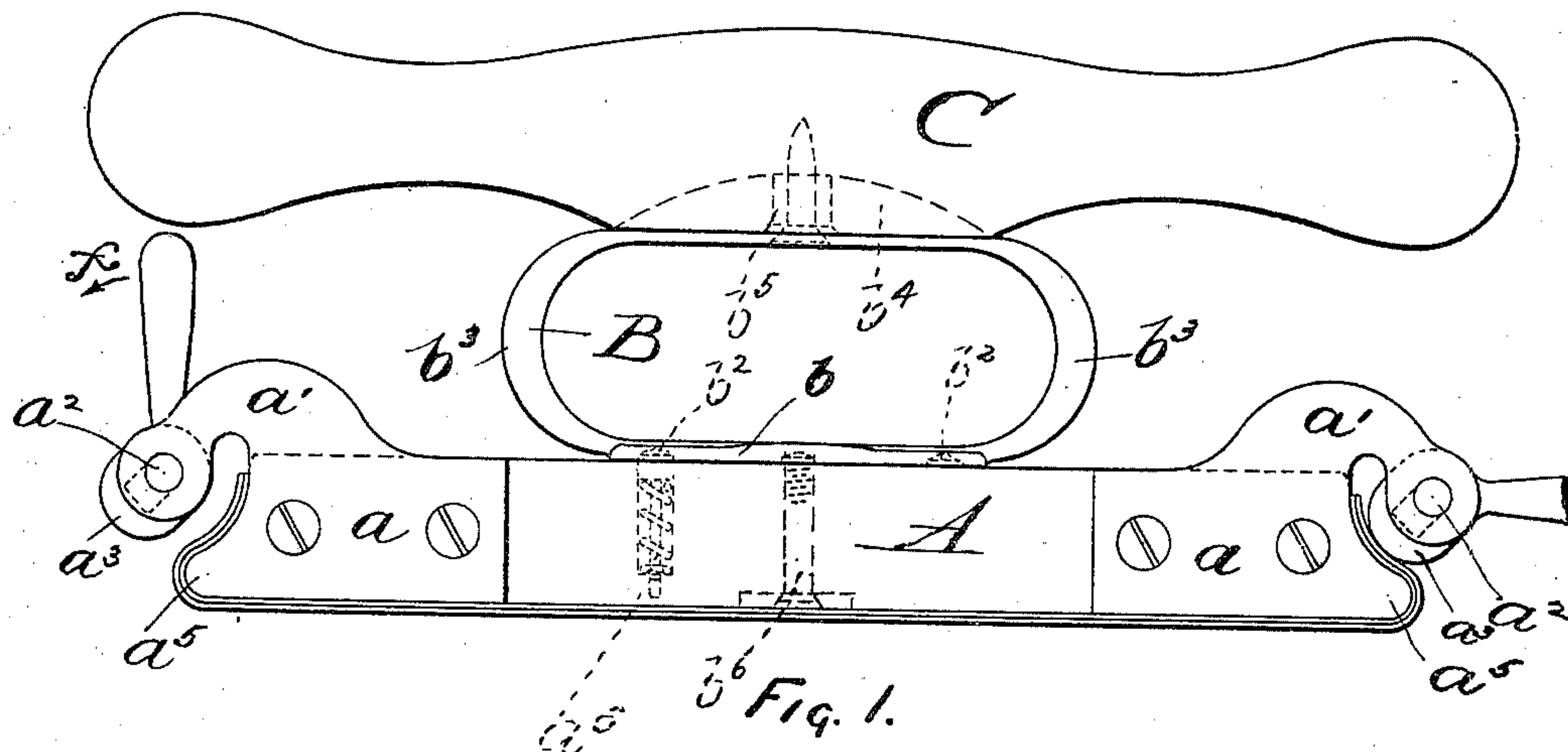
Patented Apr. 16, 1901.

M. E. MCAFEE.
SANDPAPERING BLOCK.

(Application filed Apr. 19, 1900.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

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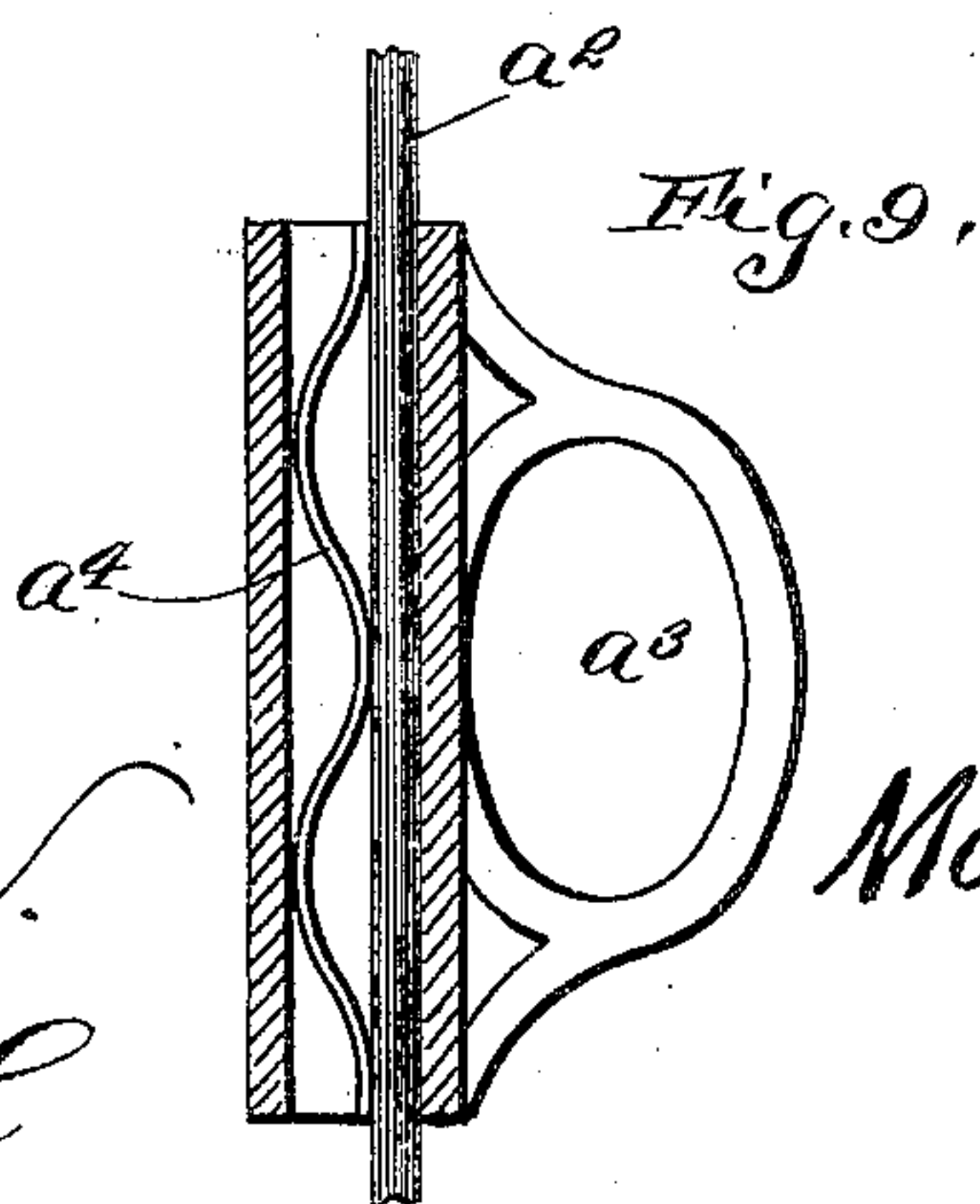
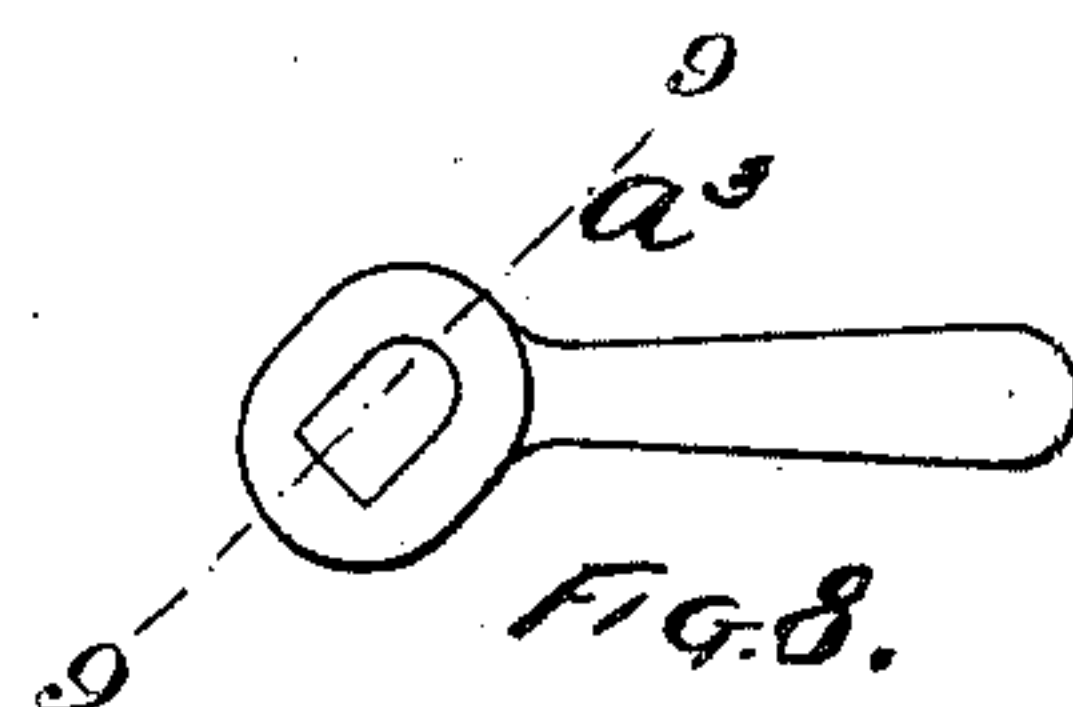
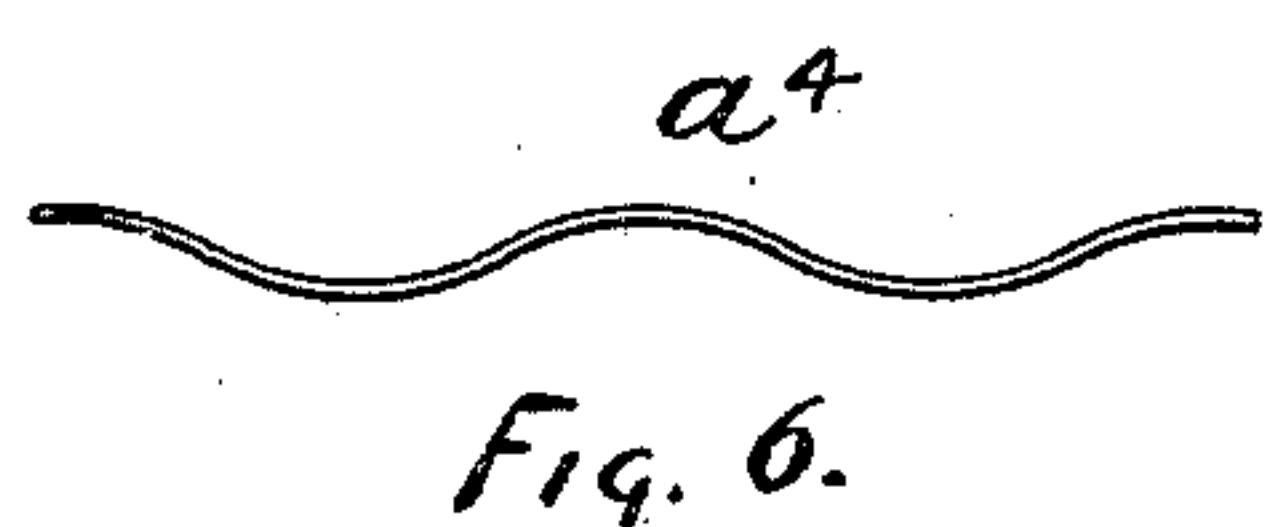
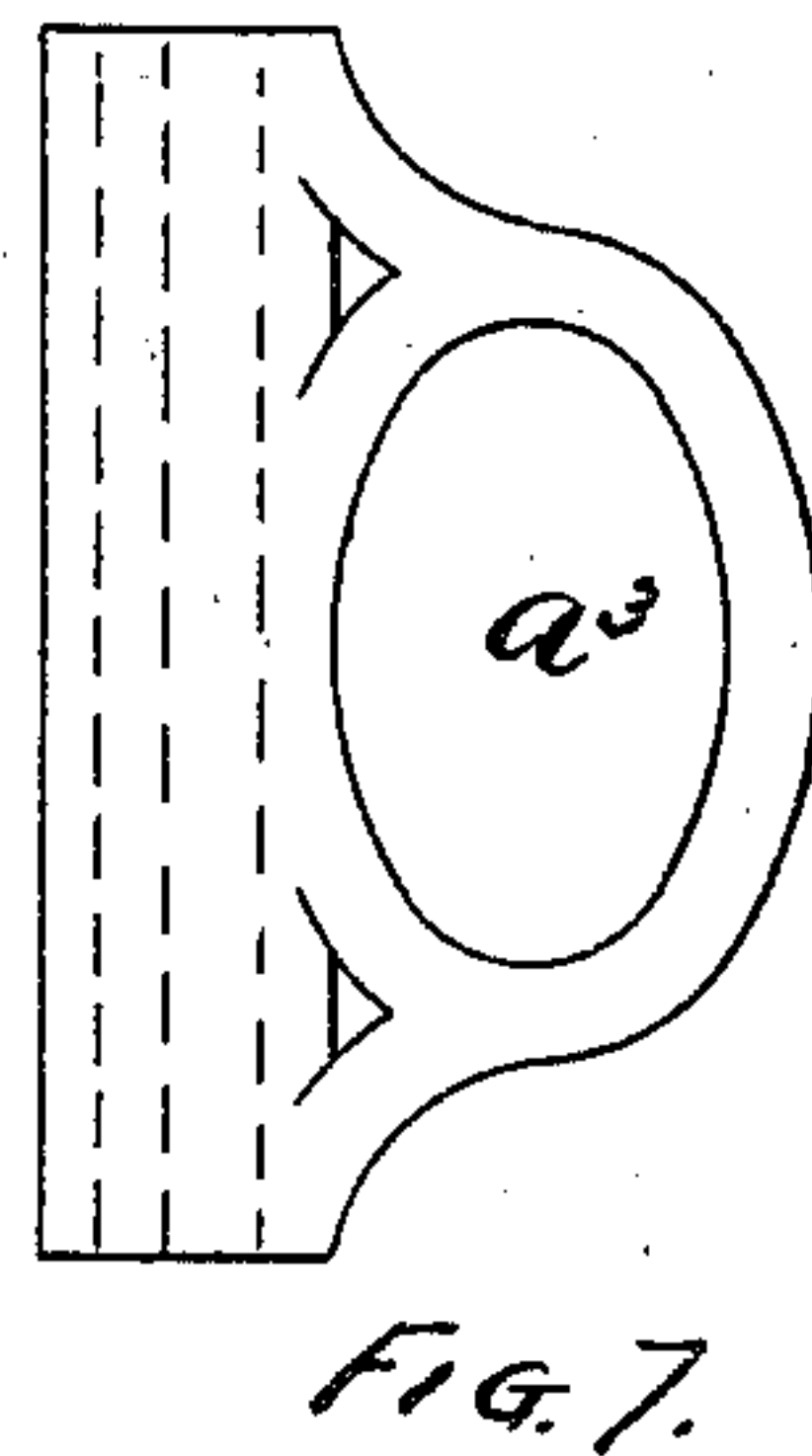
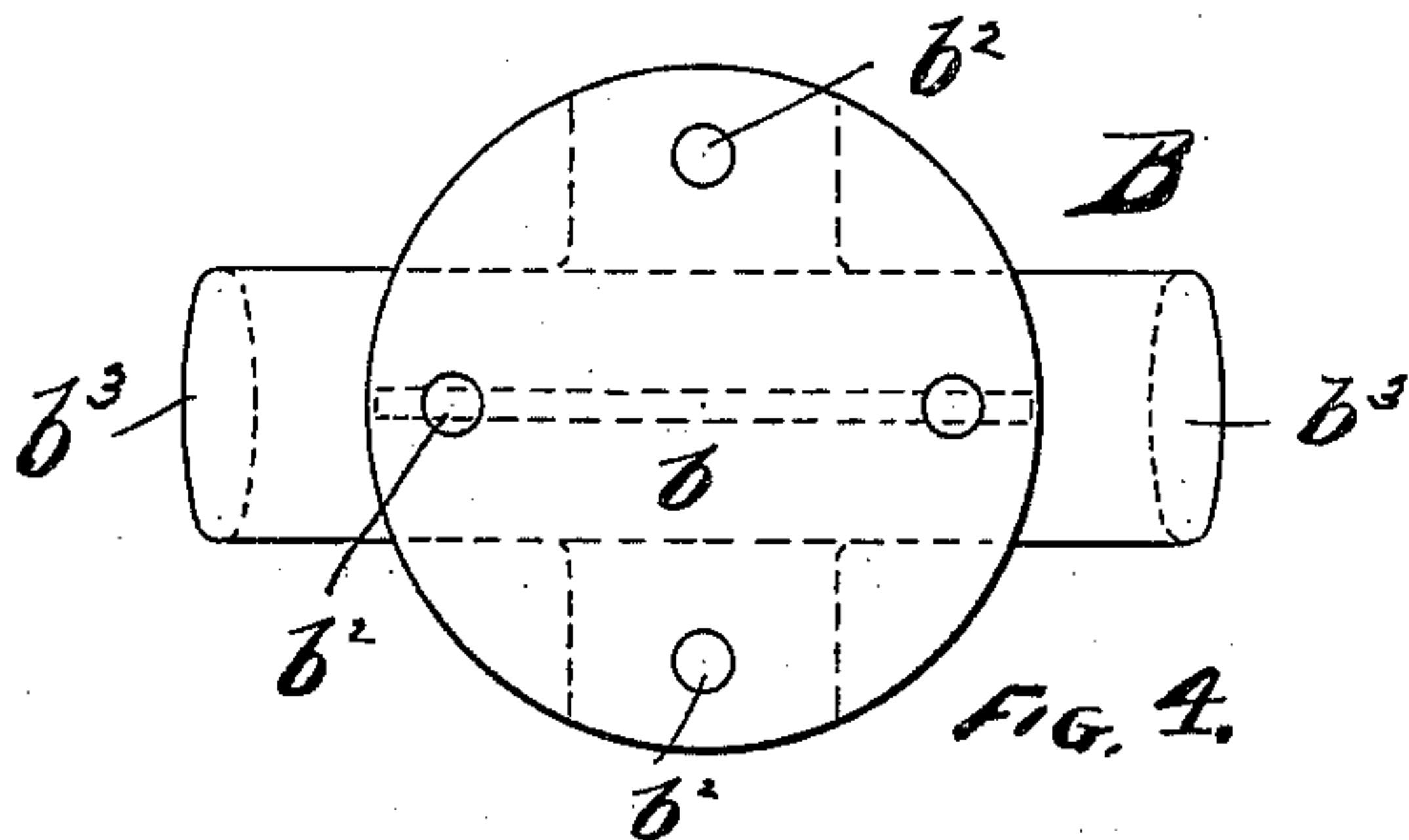
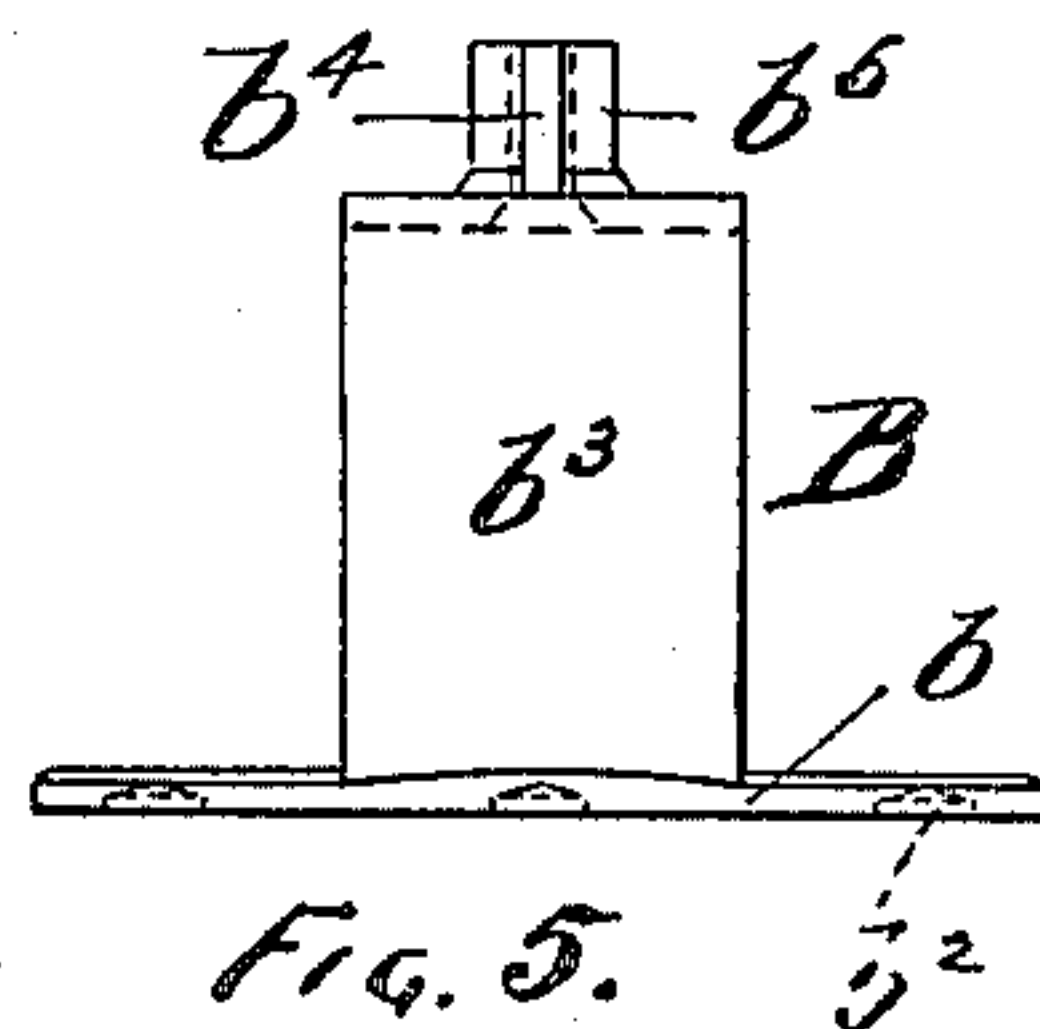
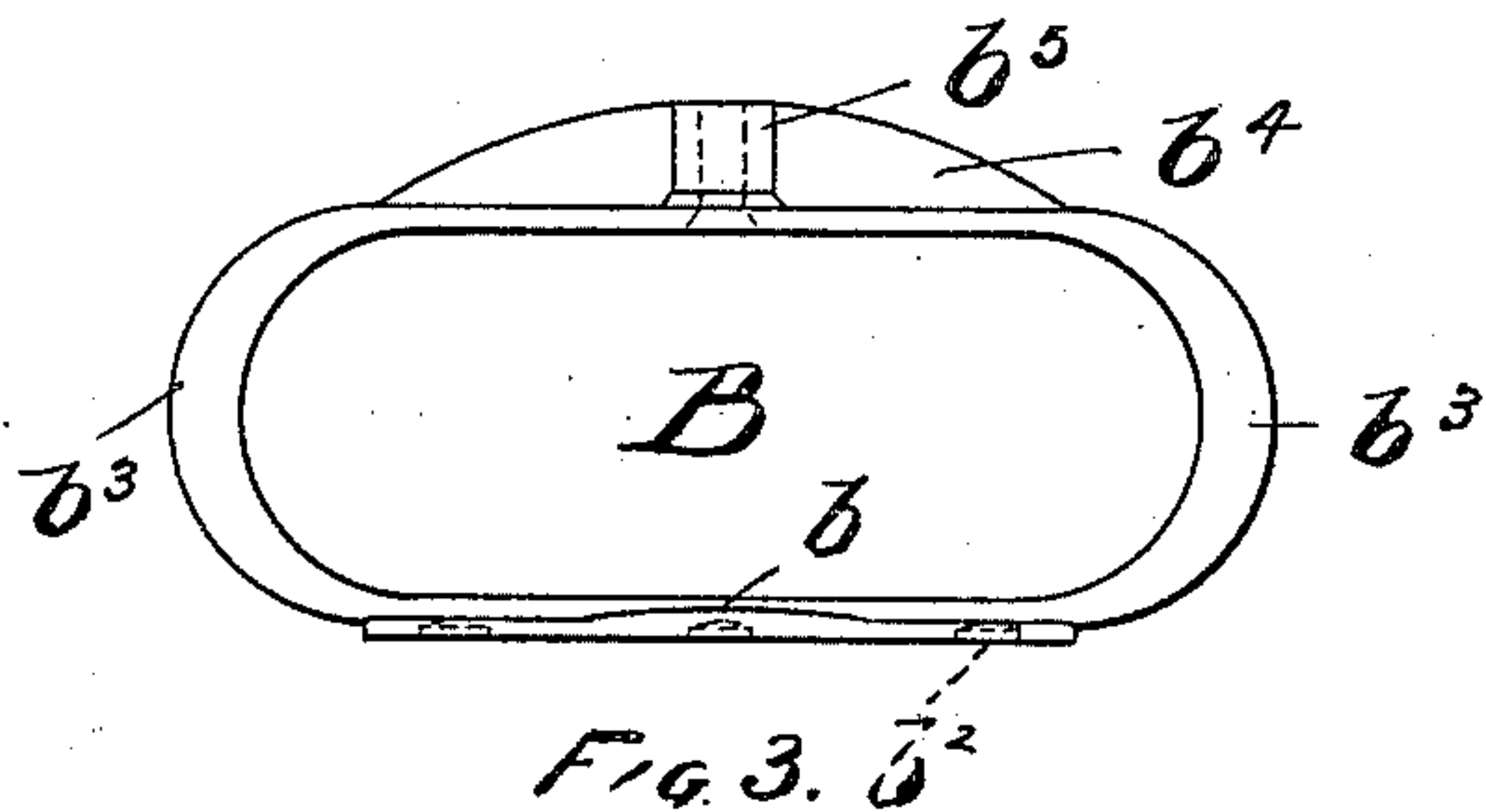
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(No Model.)

2 Sheets—Sheet 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MORGAN E. MCAFEE, OF ATLANTA, GEORGIA.

SANDPAPERING-BLOCK.

SPECIFICATION forming part of Letters Patent No. 672,408, dated April 16, 1901.

Application filed April 19, 1900. Serial No. 13,417. (No model.)

To all whom it may concern:

Be it known that I, MORGAN E. MCAFEE, a citizen of the United States of America, and a resident of Atlanta, in the county of Fulton and State of Georgia, have made a certain new and useful Improvement in Sandpapering-Blocks; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form part of this specification.

This invention relates to devices for holding sandpaper upon a suitable block or backing and providing same with an adjustable handle, whereby the work of hand-sanding will be facilitated and the workman able to employ a greater percentage of his strength in pressing the sandpaper against the object sanded.

The invention consists in the device hereinafter fully specified and claimed.

In the accompanying drawings, Figure 1 is a side elevation of the device. Fig. 2 is a plan view thereof. Fig. 3 is a side elevation of the swiveling casting; and Fig. 4 is an inverted plan view thereof, Fig. 5 being an end elevation of the same part. Figs. 6 and 7 are respectively plan and end views of the eccentric clamp, and Fig. 8 is an edge view of the spring therefor. Fig. 9 is a detail in section, showing the spring in operative position.

In the figures like reference characters are uniformly employed in the designation of corresponding elements of construction.

A is the block which forms the backing for the sandpaper, to which same is secured, and consists of a rectangular body preferably made of wood and having its ends chamfered, as best shown in Fig. 1. The preferred form of these ends is concave to provide for the better securing of the sandpaper.

a represents corner-plates which are secured upon the edge of the block A, being preferably let into same their thickness, so as to have their outer faces flush with the edge of said block, as shown in Fig. 2, and are provided with upwardly-projecting curved

arms a' , projecting beyond the ends of the said block A and being perforated to receive a pintle a^2 , upon which the spring-pressed eccentric a^3 is pivoted. This eccentric, as shown in Figs. 1, 2, 6, and 7, consists of a casting perforated longitudinally with an elongated hole, as shown in Fig. 7, adapted to pivot same upon the pintle a^2 . One of the walls of this hole, as shown in Fig. 7, should be straight and flat, the better to seat the spring a^4 , Figs. 8 and 9, which presses against that side of said hole and against the pintle a^2 , whereby the receding abutment and eccentric are permitted to conform to the thickness of one or more sheets of sandpaper which may be clamped between same. Upon reference to Fig. 1 it will be seen that one of these eccentrics—that is, the right-hand one—is in engagement with the paper, clamping the end between it and the block, while the other eccentric is turned so as to release the paper. It is obvious that a movement of this said other eccentric in the direction of the arrow x , Fig. 1, will draw the paper taut across the end of the block A and clamp it there, securing it firmly by reason of the strong frictional contact due to the action of the spring a^4 and the fact that the paper is bent around the projecting lower corner a^5 of the block A.

As shown in Figs. 1, 3, 4, and 5, a metal connecting block or casting B is provided for the purpose of fastening the handle C to the block A. This handle C may be in any form desired; but the form shown is preferred, in which it is made oval and bulging at its center and near its ends with such corners rounded as would come in contact with the hands. The casting B consists of a base-plate b , preferably circular in form. In the lower side of this base-plate b are recesses b^2 for a purpose hereinafter specified, while projecting from the upper side of the plate are curved arms b^3 , connected at their upper ends with each other, the loop so formed serving as a handhold and having on its upper side a rib b^4 , enlarged at its center, if desired, substantially as shown at b^5 , and perforated to receive a screw by which the handle b may be secured in place. The rib b^4 performs the function of making connection between the curved

arm b^3 and the handle C perfectly rigid, so that the movement of the casting B may be accomplished by swinging the handle, whereby said handle may be adjusted to any desired angle relatively to the base-block A. In the upper side of the said base-block A is a recess, and in this recess is seated a plunger a^6 , spring-pressed upwardly and capable of entering the correlative recess b^2 in the swiveling casting B, thus holding it with a sufficient degree of rigidity in any set position.

It is obvious that the sandpaper may be very easily attached in the manner hereinbefore specified to the block A, and it is plain that a worn-out sheet may be easily torn off and a fresh one exposed. It is also obvious that the handle C may be moved into any position relatively to the block A that best suits the needs of the user.

For the purpose of accommodating parts of sandpaper without waste the block A should be of such size in length and width as will take one-half, one-third, or one-fourth of a sheet of sandpaper without waste. One to take one-third of a sheet of standard-size pa-

per would be about seven and one-fourth by three and five-eighths inches face.

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

1. In a sandpaper-block, the block proper and eccentrics mounted revolvably transversely of the ends thereof and spring-pressed in the direction of its major diameter, and adapted to pinch a piece of sandpaper between same and the ends of the said block.

2. In a sandpaper-block, the block proper and plates provided with gooseneck arms secured to the edges of said block near its corners, eccentrics mounted between the free ends of said gooseneck arms so as to be partially revoluble near and press the sandpaper against the ends of the said block.

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

MORGAN E. McAFEE.

Witnesses:

A. P. WOOD,
EDWD. P. WOOD.