

No. 731,947.

PATENTED JUNE 23, 1903.

R. E. POINDEXTER.  
COMBINED SAW JOINTER AND GAGE.

APPLICATION FILED MAR. 30, 1903.

NO MODEL.

FIG. 1.

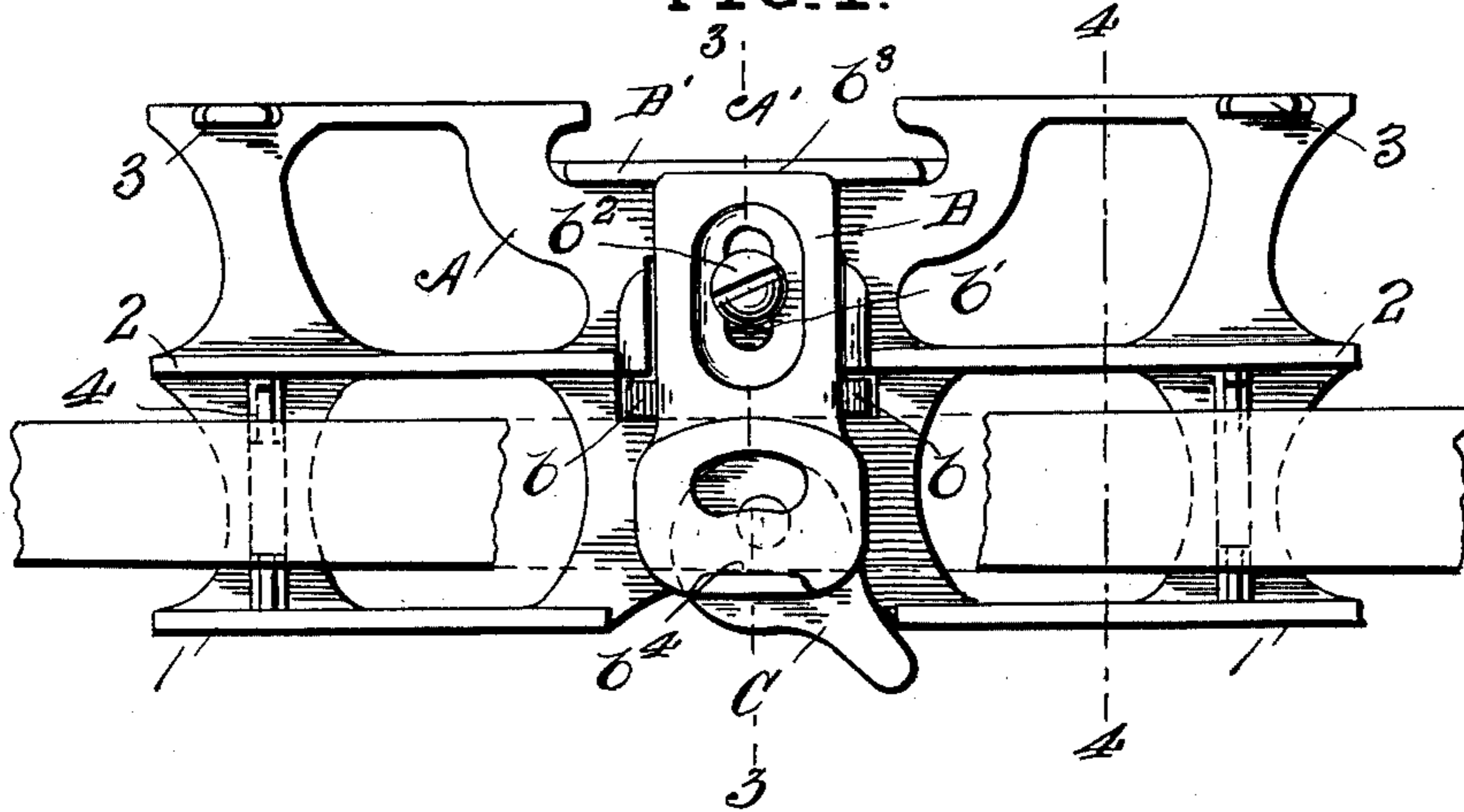


FIG. 3.

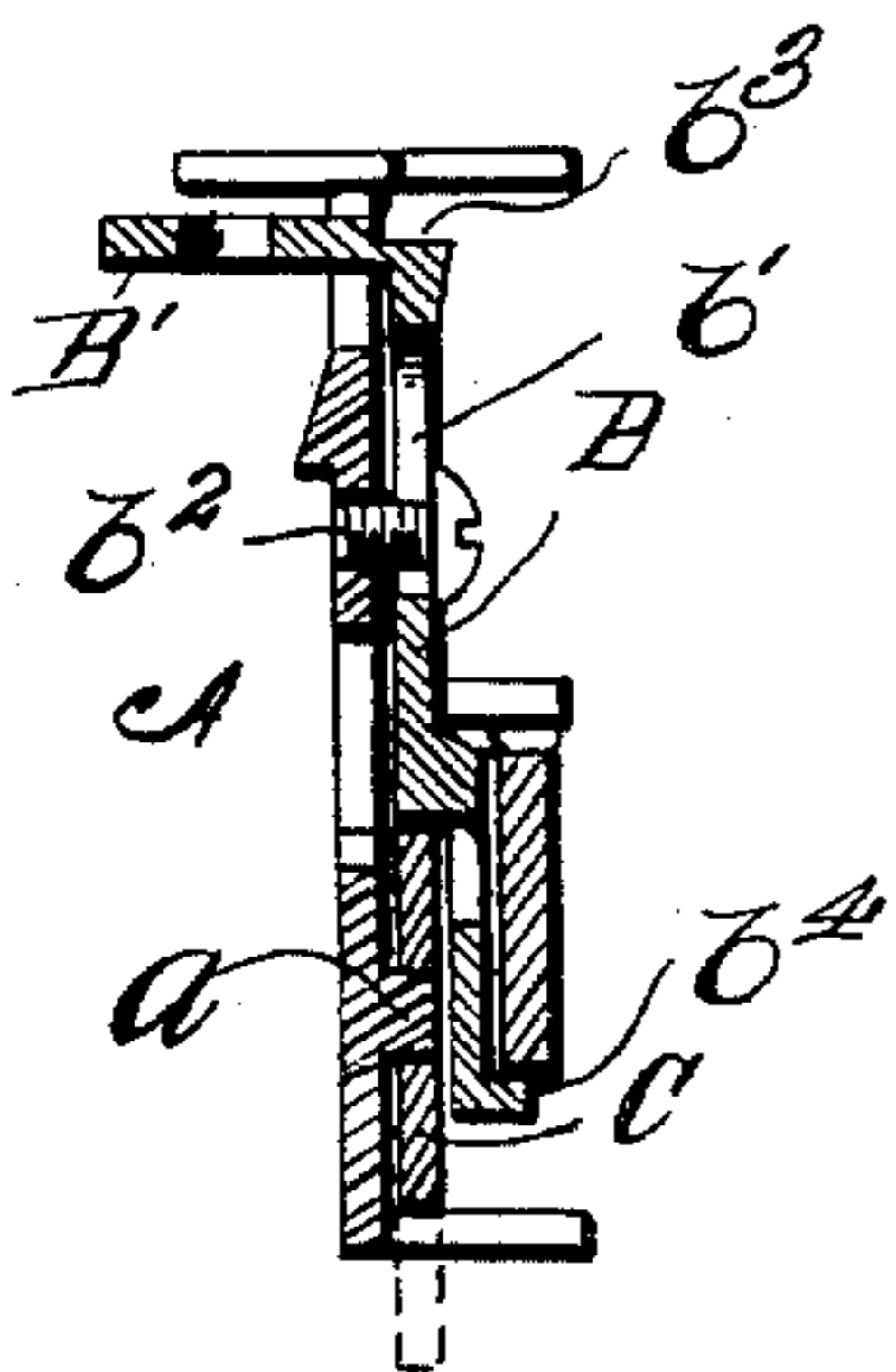


FIG. 2.

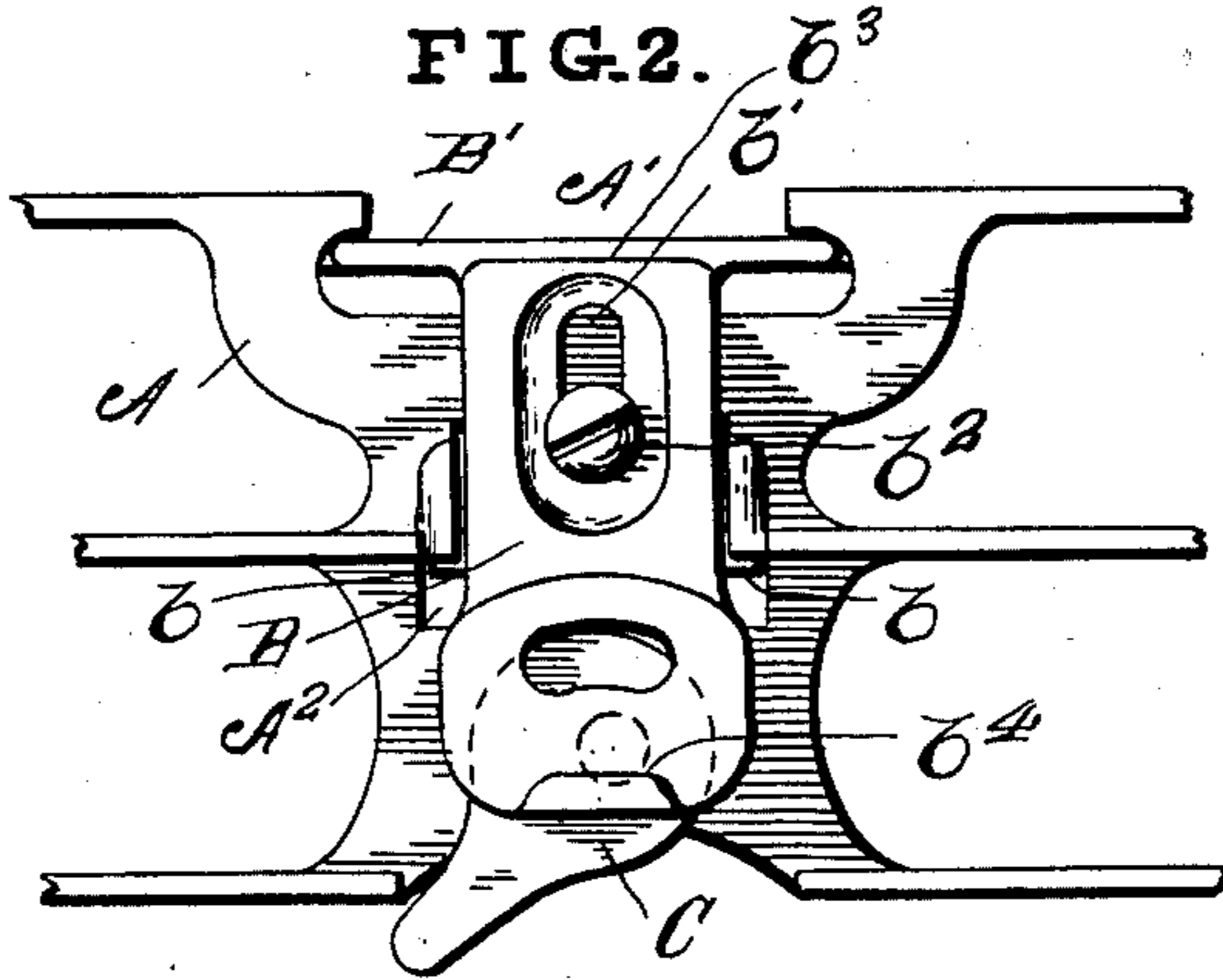


FIG. 4.

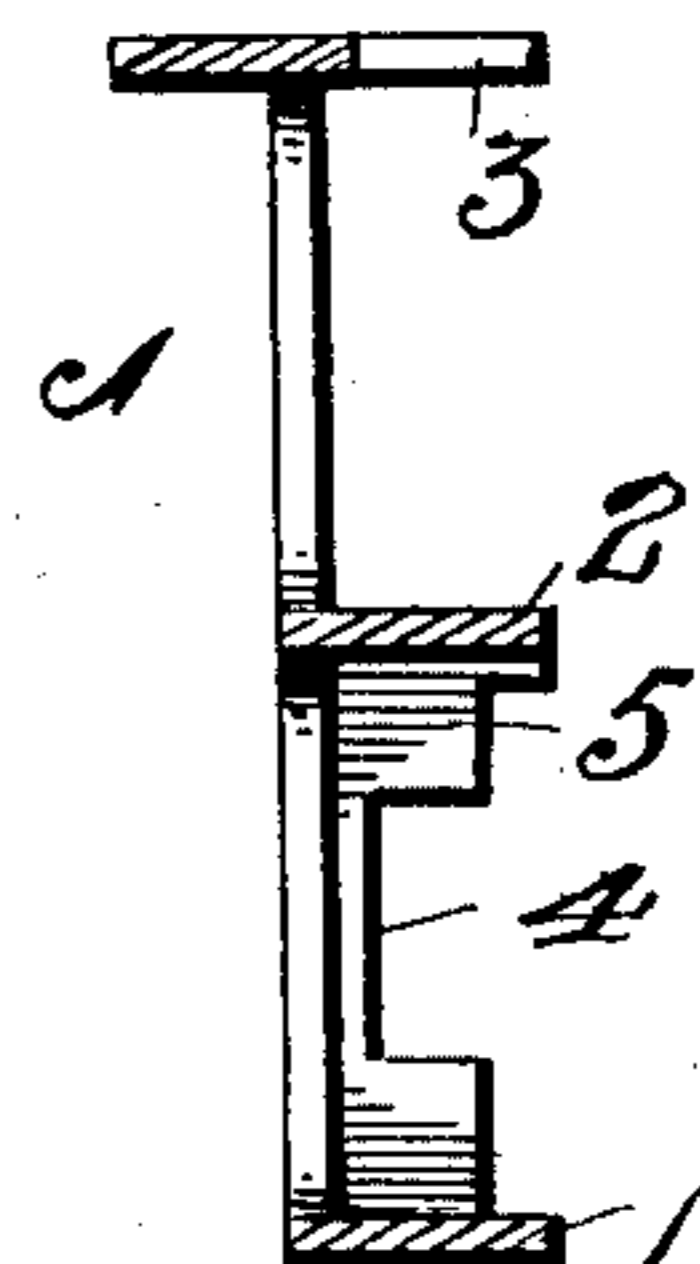


FIG. 5.

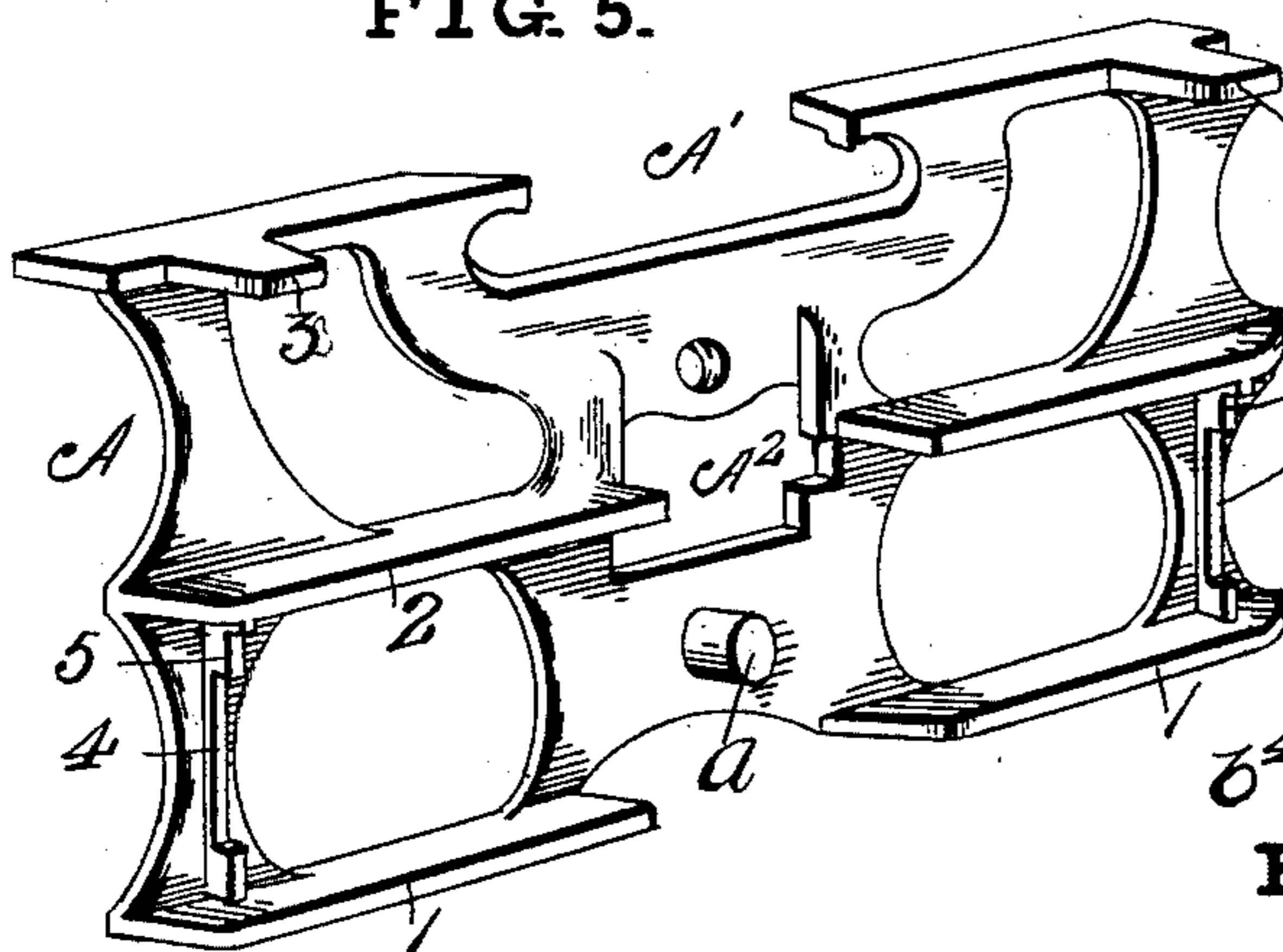


FIG. 6.

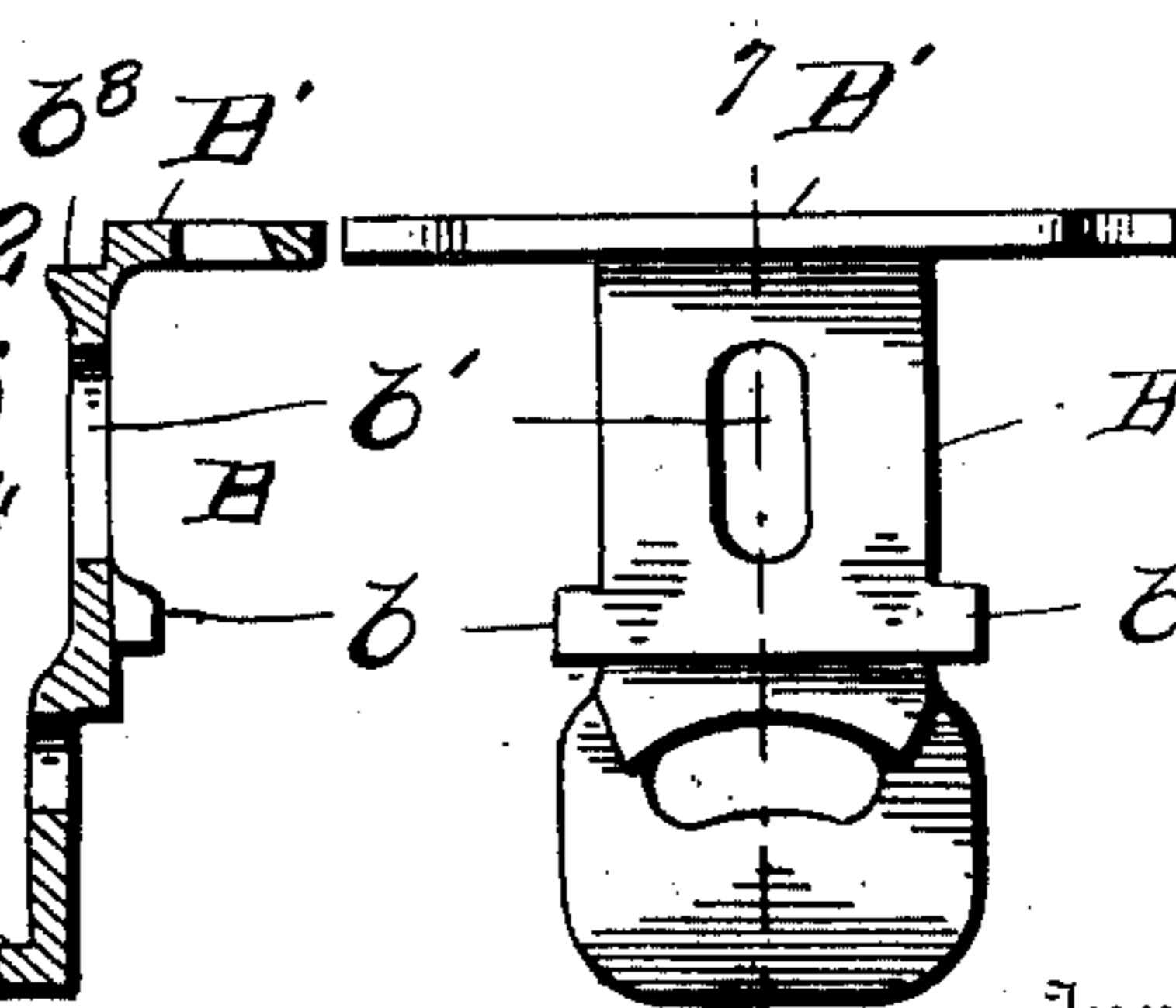


FIG. 7.

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Witnesses

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# UNITED STATES PATENT OFFICE.

ROBERT E. POINDEXTER, OF INDIANAPOLIS, INDIANA.

## COMBINED SAW JOINTER AND GAGE.

SPECIFICATION forming part of Letters Patent No. 731,947, dated June 23, 1903.

Application filed March 30, 1903. Serial No. 150,263. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT E. POINDEXTER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in a Combined Saw Jointer and Gage, of which the following is a specification.

My said invention consists of certain improvements in the details of construction of a combined saw jointer and gage of that general character shown in several Letters Patent heretofore granted to me, particularly that shown in my Patent No. 596,416, of December 28, 1897, whereby its construction and operation are simplified, as will be hereinafter more fully described and claimed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar reference characters indicate similar parts, Figure 1 is a side elevation of one of my improved saw-jointers embodying my said improvements, the clamping-plate being in released position; Fig. 2, a similar view of the central portion thereof with the clamping-plate in the position it occupies when the file is clamped in the frame; Fig. 3, a transverse section on the dotted line 3 3 in Fig. 1; Fig. 4, a similar view on the dotted line 4 4; Fig. 5, a perspective view of the base block or frame; Fig. 6, a view of the clamping-plate in rear elevation, and Fig. 7 a transverse section on the dotted line 7 7 in Fig. 6.

In said drawings the portions marked A represent the base block or frame, B the clamping-plate, and C the operating-cam. The base block or frame A is of much the same character as that shown in the above-mentioned patent, consisting of a casting having longitudinal ribs 1 and 2 and projections 3 on its front side, which serve as rests for the saw and to stiffen and strengthen the tool. It is provided with a central recess A' in its top edge, as shown, to accommodate the gage-plate, and has a central way A<sup>2</sup> formed therein, in which the clamping-plate is mounted. Vertical ribs 4 extend between the longitudinal ribs 1 and 2 near each end, provided with suitable shoulders 5 to serve as rests for the file. A cylindrical boss *a* is formed on said frame in suitable position to serve as the pivot for the operating-cam C.

The clamping-plate B is formed integral with the gage-plate B' and is mounted to slide in the way A<sup>2</sup>, formed in the frame A, the gage-plate being adapted to move in the recess A', as shown. The vertical portion of the plate B has laterally-projecting wings *b* on its rear side which are adapted to pass through a widened portion of the way A<sup>2</sup> and engage on the rear side of the frame, and thus retain said plate in position. A recess is formed in the back of said plate having a curved shoulder at its upper end which is adapted to rest upon the operating-cam. A vertical slot *b'* is formed in the upper portion of said plate, and a screw *b*<sup>2</sup> passes through said slot and engages a screw-threaded perforation in the frame, said screw thus serving to secure the plate in any adjusted position desired to support the gage-plate properly. The upper front edge *b*<sup>3</sup> serves as the upper clamping-jaw to clamp the file against the projections 3 in its horizontal position, and a lug *b*<sup>4</sup> on the lower end serves as the lower clamping-jaw to clamp the file against the shoulders 5 in its edgewise position.

In operation, it being desired to use the tool to hold the file in a horizontal position, as when employed for jointing the points of the saw-teeth, the clamping-plate being in the position shown in Fig. 1, the file is placed between the projections 3 and its upper end *b*<sup>3</sup>. The cam C is then turned from the position shown in Fig. 1 to that shown in Fig. 2, which raises said clamping-plate and firmly clamps the file in this position. When it is desired to clamp the file in an edgewise position, as when employed for jointing the sides of the teeth, it is placed with one edge resting against the shoulders 5 in the ribs 4 and its other edge on the projection *b*<sup>4</sup> of the clamping-plate. Cam C is then turned on its pivot from position shown in Fig. 1 to that in Fig. 2 and the file secured in this position, as will be readily understood. When it is desired to use the tool for engaging the clearing-teeth, the gage-plate B' is adjusted to the position desired, when in addition to the support of the cam set-screw *b*<sup>2</sup> is driven firmly against the edges of the slot *b'*, and thus locks said plate firmly in the adjusted position.

In the foregoing description the top edge of the tool is regarded as shown uppermost in the

drawings, but in use, and strictly speaking, the tool has of course no top edge.

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

1. In a combined saw jointer and gage, the combination of the frame provided with a suitable way, the clamping and gage plate formed in one piece mounted in said way and provided with projections which engage the sides of said way for retaining said plate in position, and a cam for operating said clamping-plate, substantially as set forth.

2. In a combined saw jointer and gage, the combination of the frame provided with a way, a gage and clamping plate formed in one piece and mounted in said way, wings

formed on one side of said plate and projecting through said way to engage with the opposite side of the frame and retain said plate in position, a cam mounted on said frame to engage with said plate for adjusting it to different positions, and a set-screw projecting through a slot in said plate and engaging a perforation in said frame for securing said plate in different positions, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 23d day of March, A. D. 1903.

ROBERT E. POINDEXTER. [L. s.]

Witnesses:

A. C. BROWN,  
N. E. SMOCK.