

No. 850,030.

PATENTED APR. 9, 1907.

L. MELLINGER.
STAMP SHAFT TAPPET.
APPLICATION FILED NOV. 26, 1906.

FIG. 1

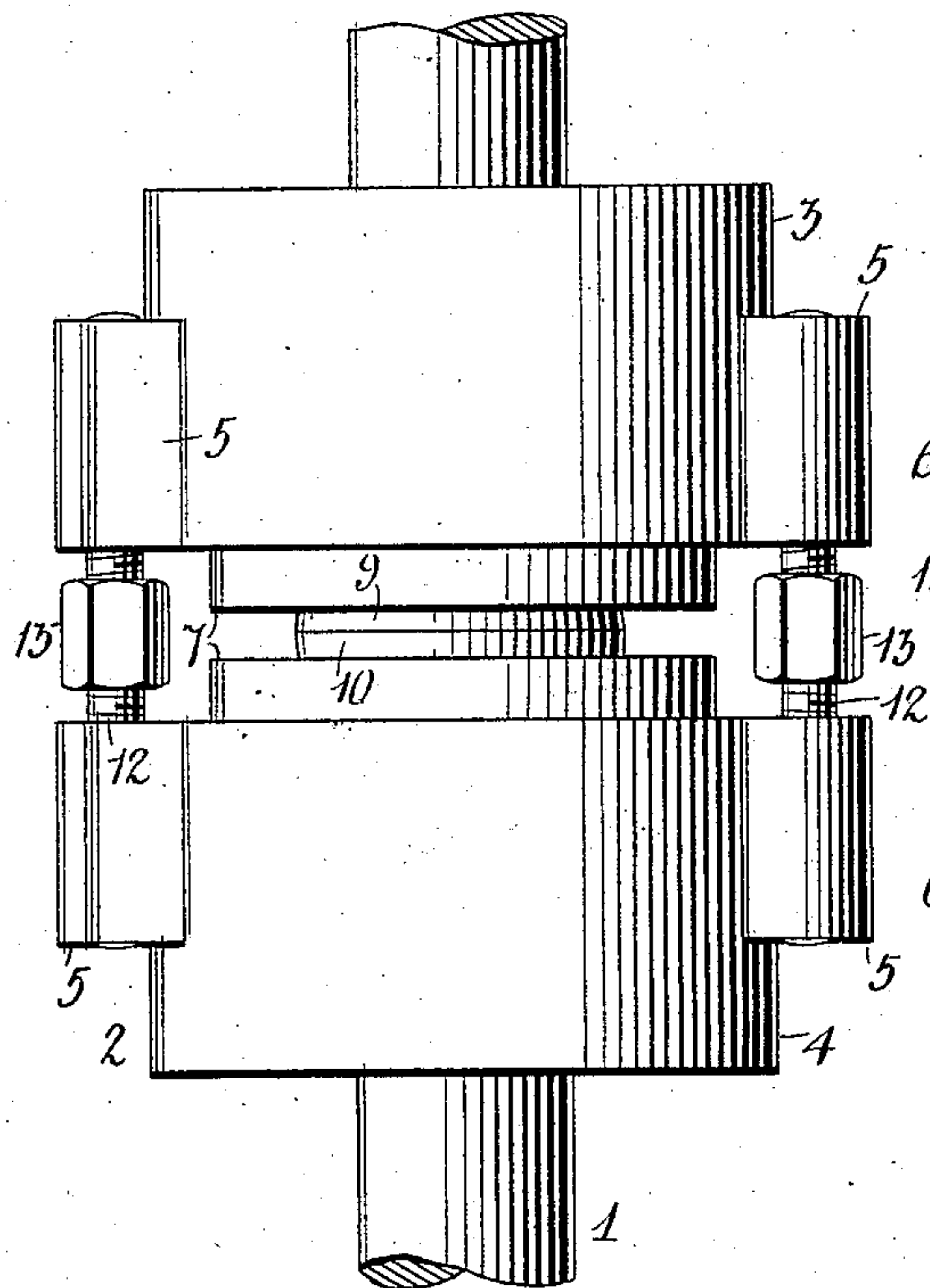


FIG. 2

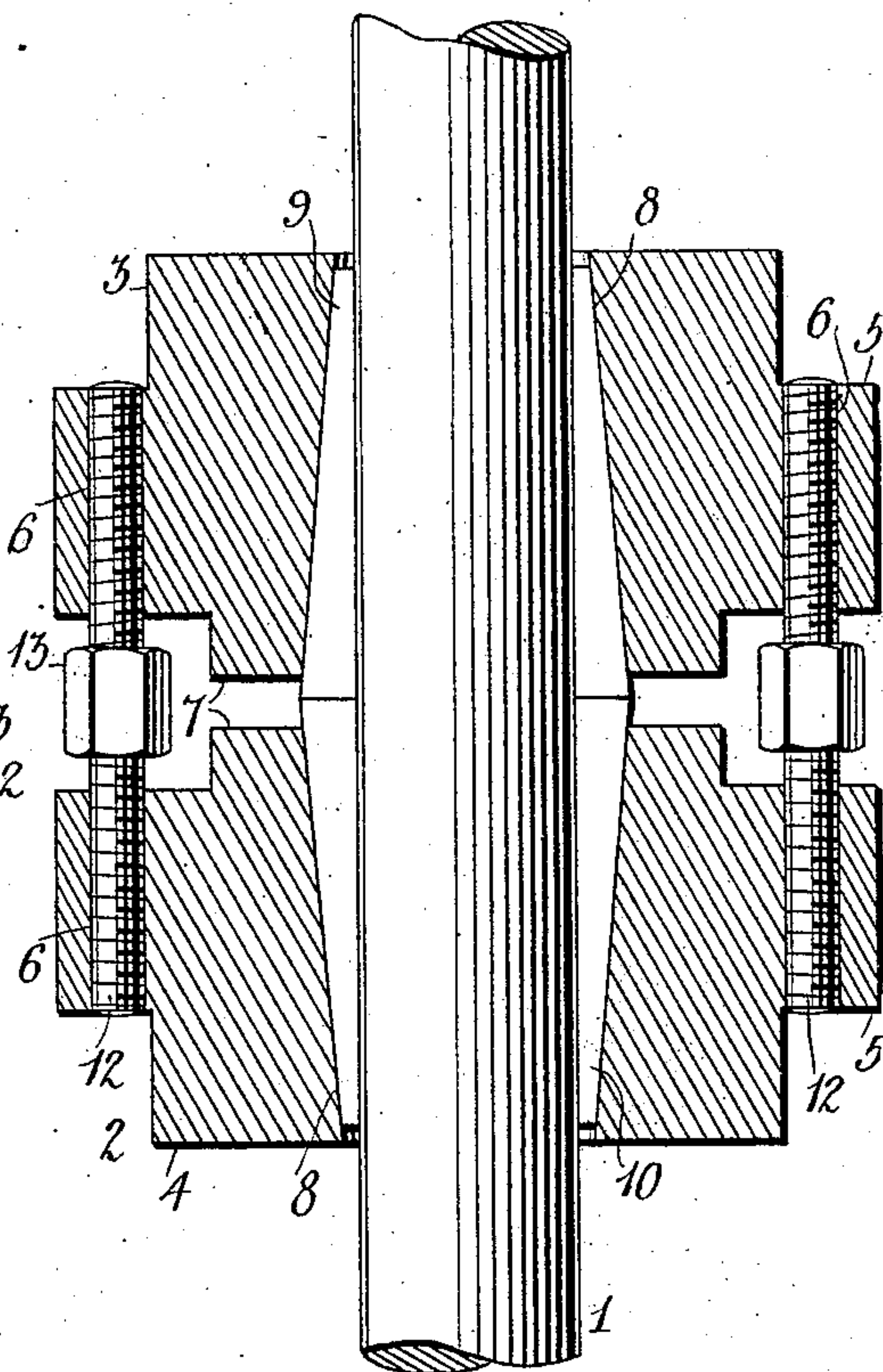


FIG. 3

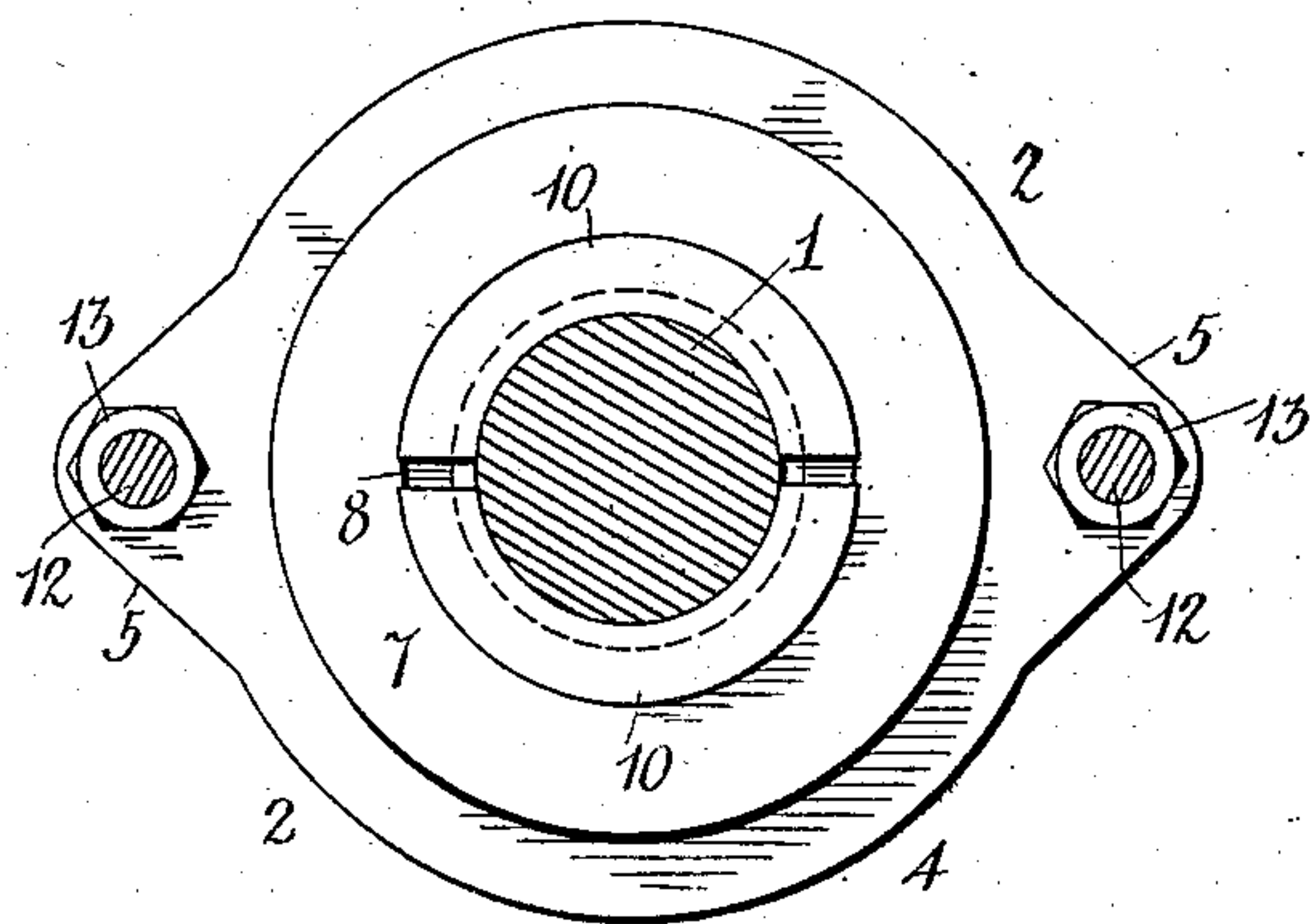
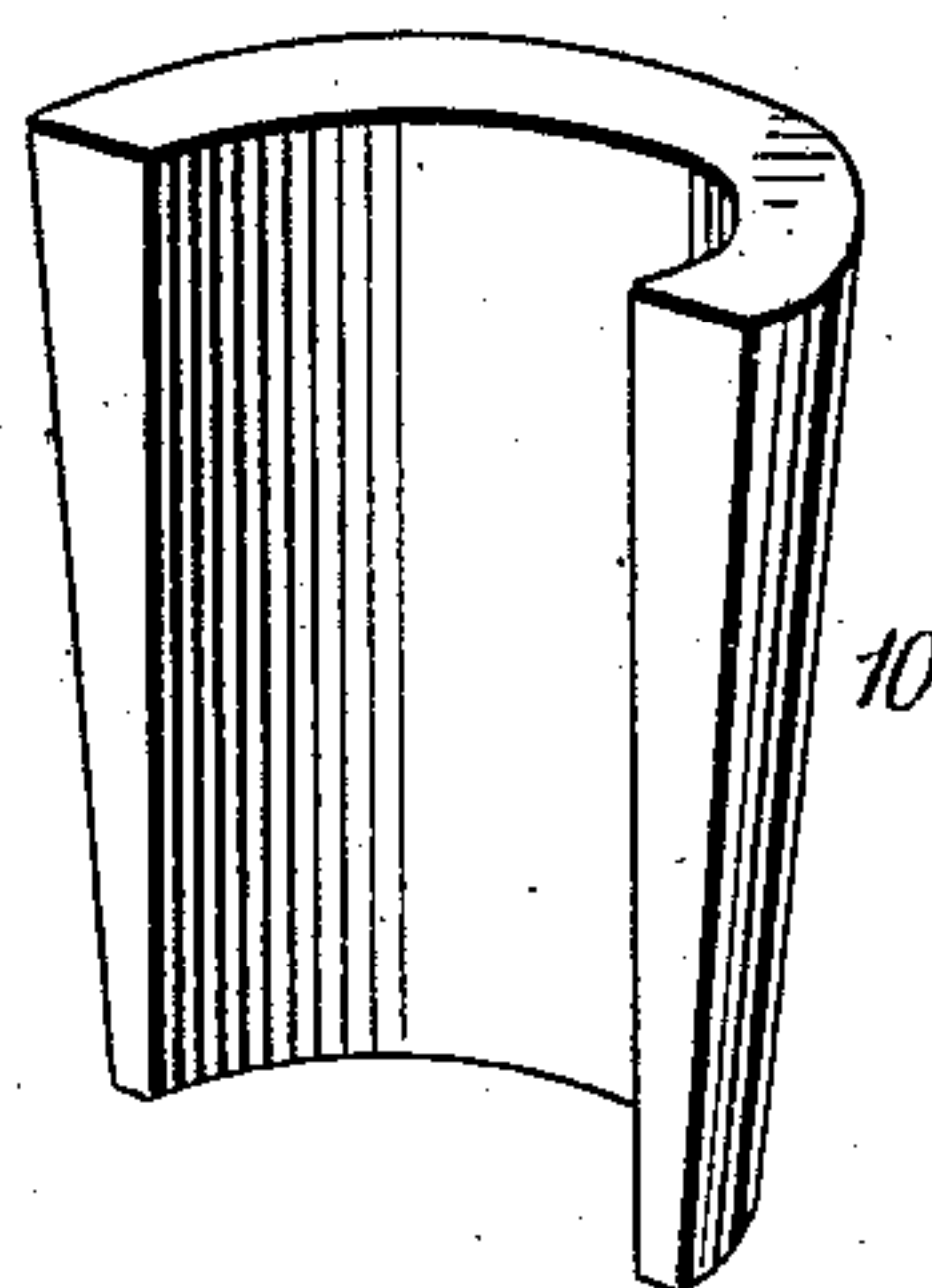


FIG. 4



Witnesses
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UNITED STATES PATENT OFFICE.

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STAMP-SHAFT TAPPET.

No. 850,030.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed November 26, 1906. Serial No. 345,235.

To all whom it may concern:

Be it known that I, LLOYD MELLINGER, a citizen of the United States, residing at Rapid City, in the county of Pennington and State of South Dakota, have invented certain new and useful Improvements in Stamp-Shaft Tappets; and I do 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.

This invention relates to improvements in stamp-shaft tappets.

The object of the invention is to provide a tappet of this character having means whereby the same is removably attached to the stamp-shaft and firmly held in position thereon.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of a portion of a stamp-shaft, showing the application of the invention thereto. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a horizontal sectional view of the shaft, showing a top plan view of the tappet; and Fig. 4 is a detail perspective view of one of the tappet-wedges.

Referring more particularly to the drawings, 1 denotes the stamp-shaft, on which is adapted to be secured the tappet 2. The tappet 2 consists of upper and lower counterpart reversible sections 3 and 4, each of which is preferably in the form of a circular block having at diametrically opposite points on the outer surface thereof laterally-projecting lugs 5. In the lugs 5 are formed vertically-disposed threaded apertures 6, which when the tappets are arranged in position on the shaft are adapted to be alined with each other. On the inner ends of the tappet-sections 3 and 4 are formed reduced circular bosses 7.

The sections 3 and 4 of the tappet are each provided with concentric conically-shaped passages 8, which when the sections are arranged on the stamp-shaft are engaged with upper and lower segmental wedge-blocks 9

and 10, which are arranged upon the shaft with their wider portions in engagement between the upper and lower sections of the tappet. The wedge-blocks 9 and 10 are each preferably formed in two segmental sections, which when arranged on the shaft nearly encircle the same, a slight space being left between the adjacent edges of the blocks to permit the same to be drawn into tight frictional engagement with the shaft.

Adapted to be engaged with the threaded passages or apertures 6 in the lugs 5 are right and left hand threaded clamping-bolts 12, provided midway between their ends with squared heads or wrench-engaging surfaces 13, by means of which said bolts may be turned to draw the sections of the tappet together, thereby causing the conical-shaped passages of the same to draw the wedge-blocks 9 and 10 into tight frictional engagement with the shaft, thereby firmly clamping the tappet onto the same.

The upper and lower sections of the tappet, as well as the wedge-blocks, are of counterpart construction, so that the same may be interchanged or reversed, thus providing for the rapid assembling of the parts and the application of the same to the shaft.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claims.

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

1. A stamp-shaft tappet comprising upper and lower sections, wedge-blocks arranged in said sections to engage the shaft, and means to draw said sections together and clamp the wedge-blocks into tight frictional engagement with the shaft, substantially as described.

2. A stamp-shaft tappet comprising upper and lower sections, each of which has formed therein a concentric, conical-shaped passage,

segmental wedge-blocks arranged in engagement with said shaft and adapted to be engaged by the conical-shaped passages in said tappet-sections, and means whereby said sections are drawn together to forcibly clamp
5 said wedge-blocks into engagement with the shaft, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LLOYD MELLINGER.

Witnesses:

MELVILLE F. COOLBAUGH,
CHARLES N. FULTON.