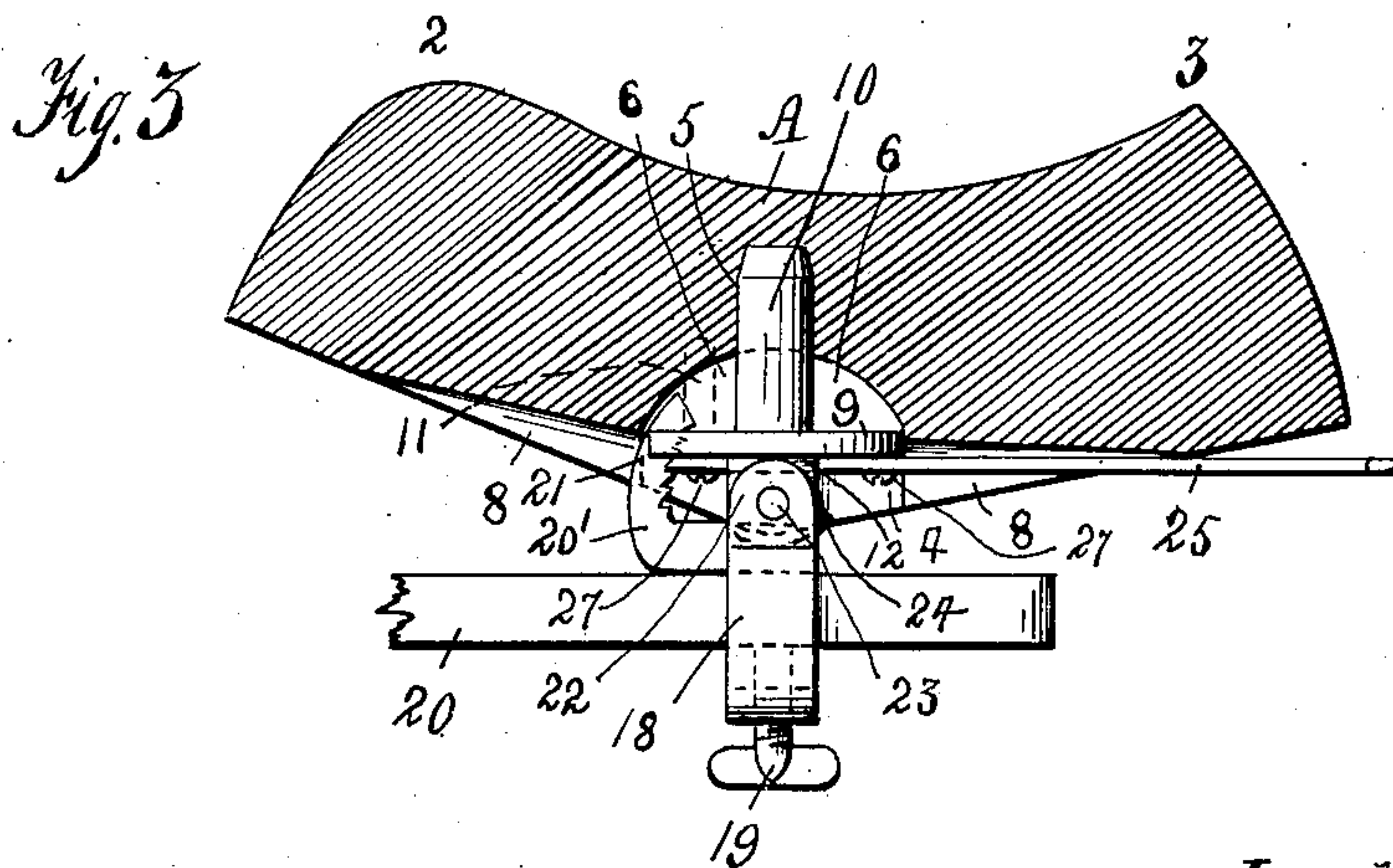
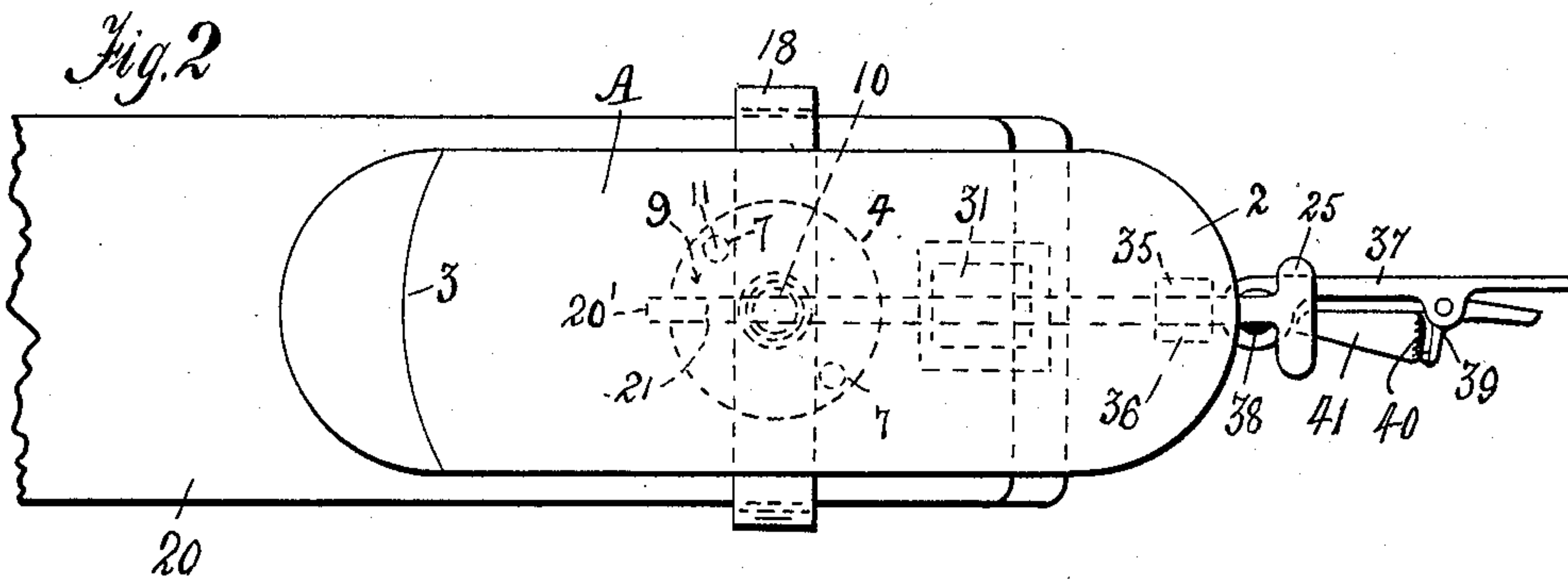
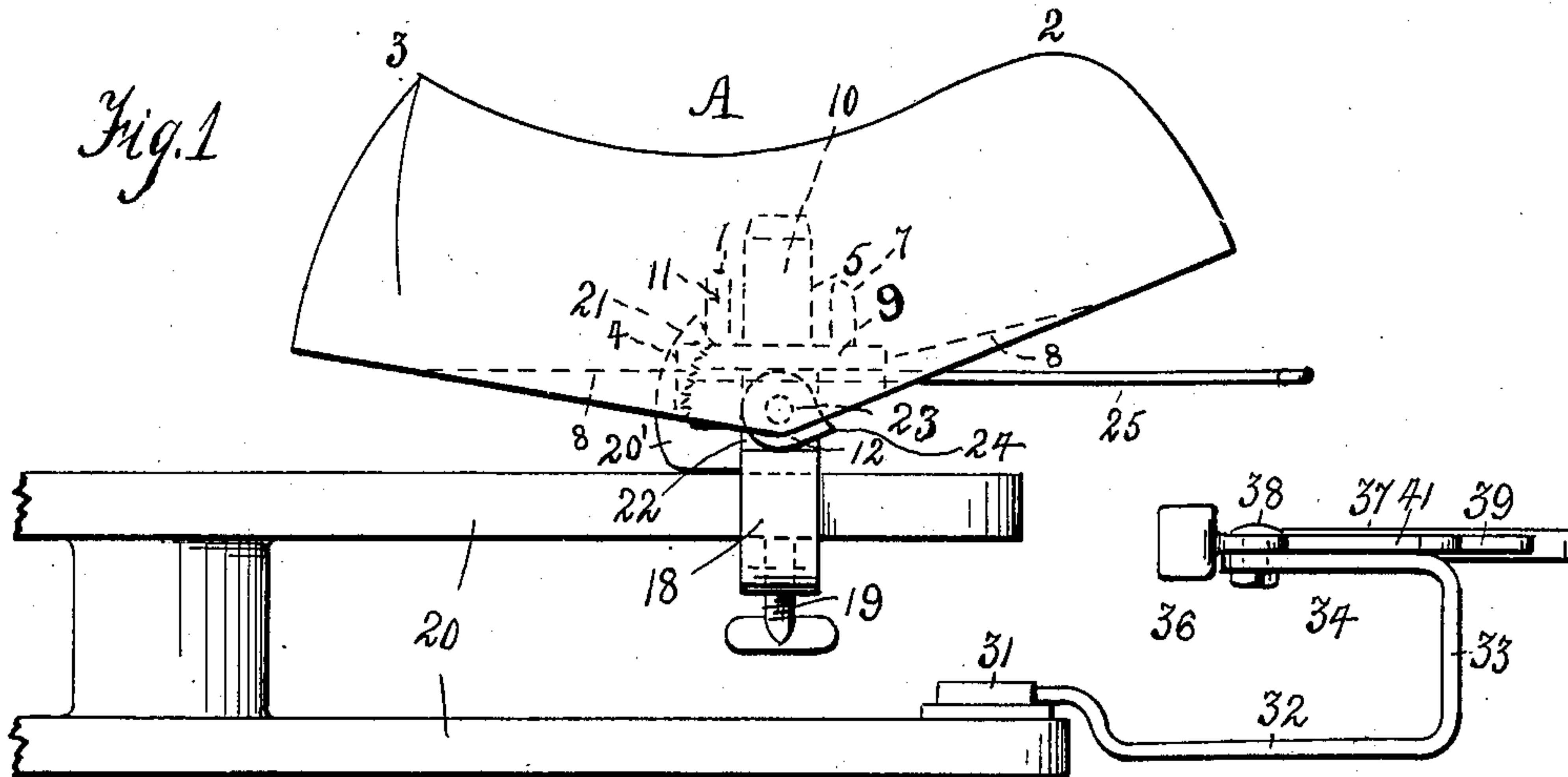


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PATENTED SEPT. 1, 1908.

J. M. STEIN.  
SHOULDER PRESSER FORM.  
APPLICATION FILED MAR. 4, 1908.

2 SHEETS—SHEET 1.



Witnesses.  
M. R. Meacham  
C. H. Woodward

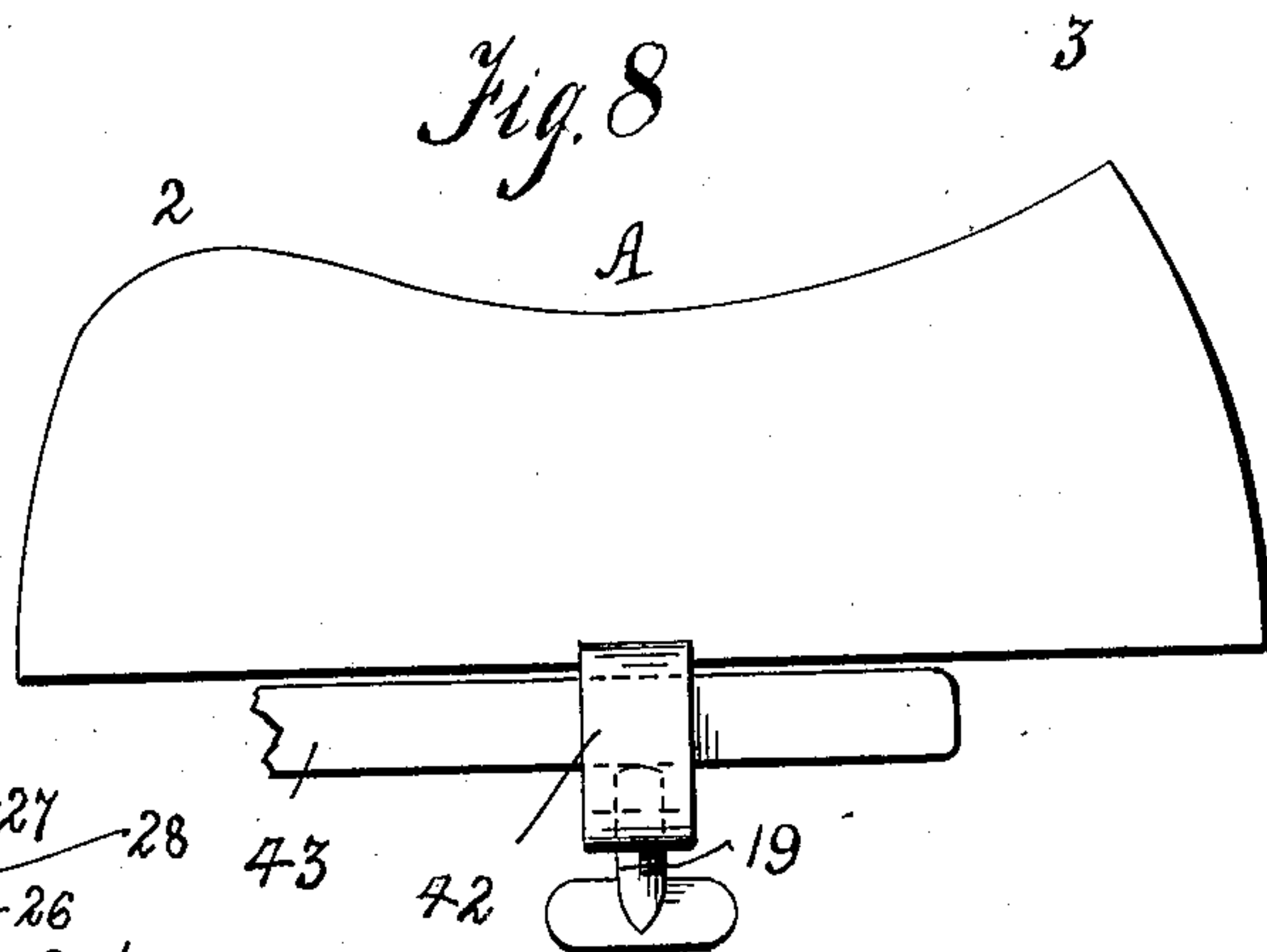
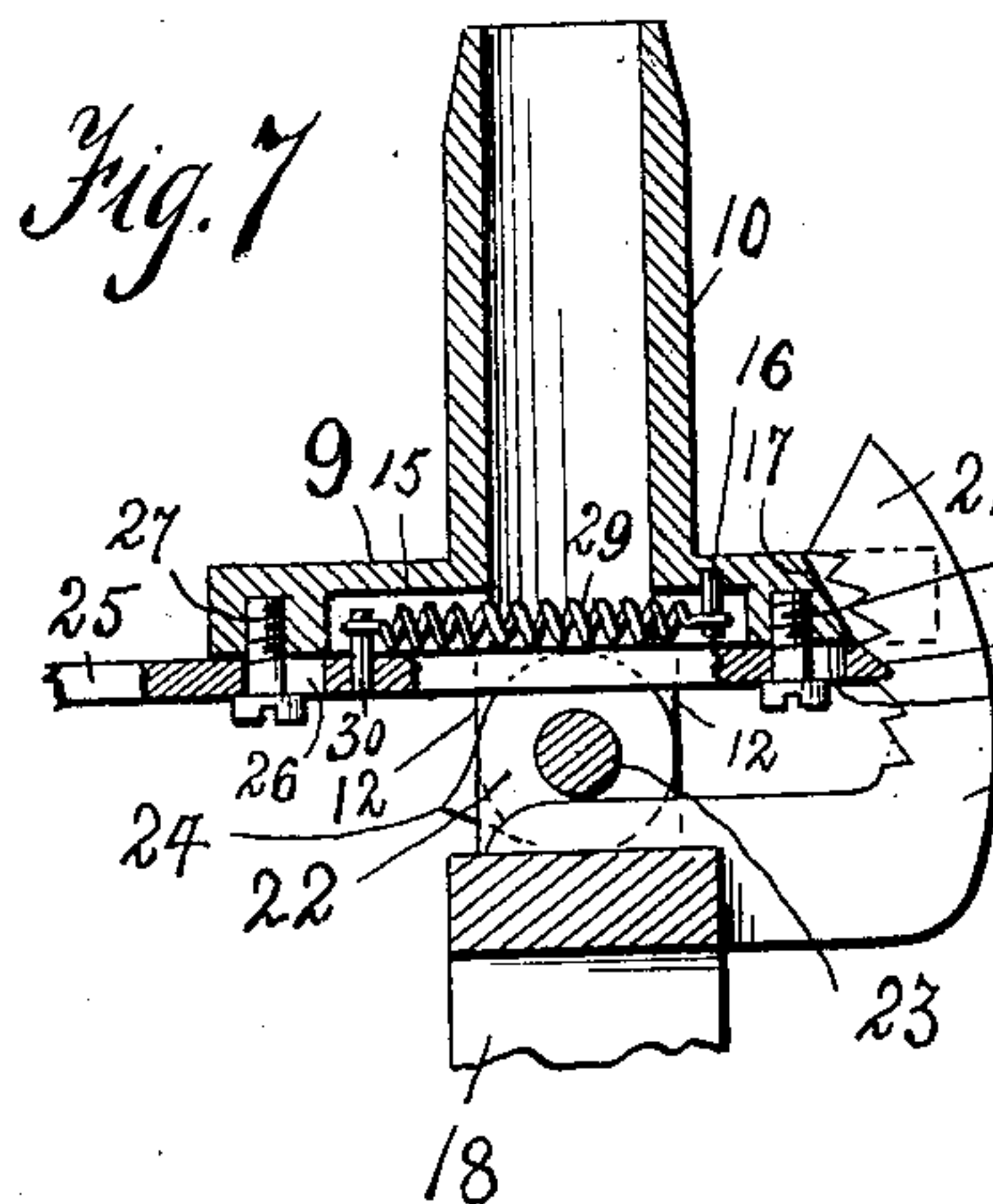
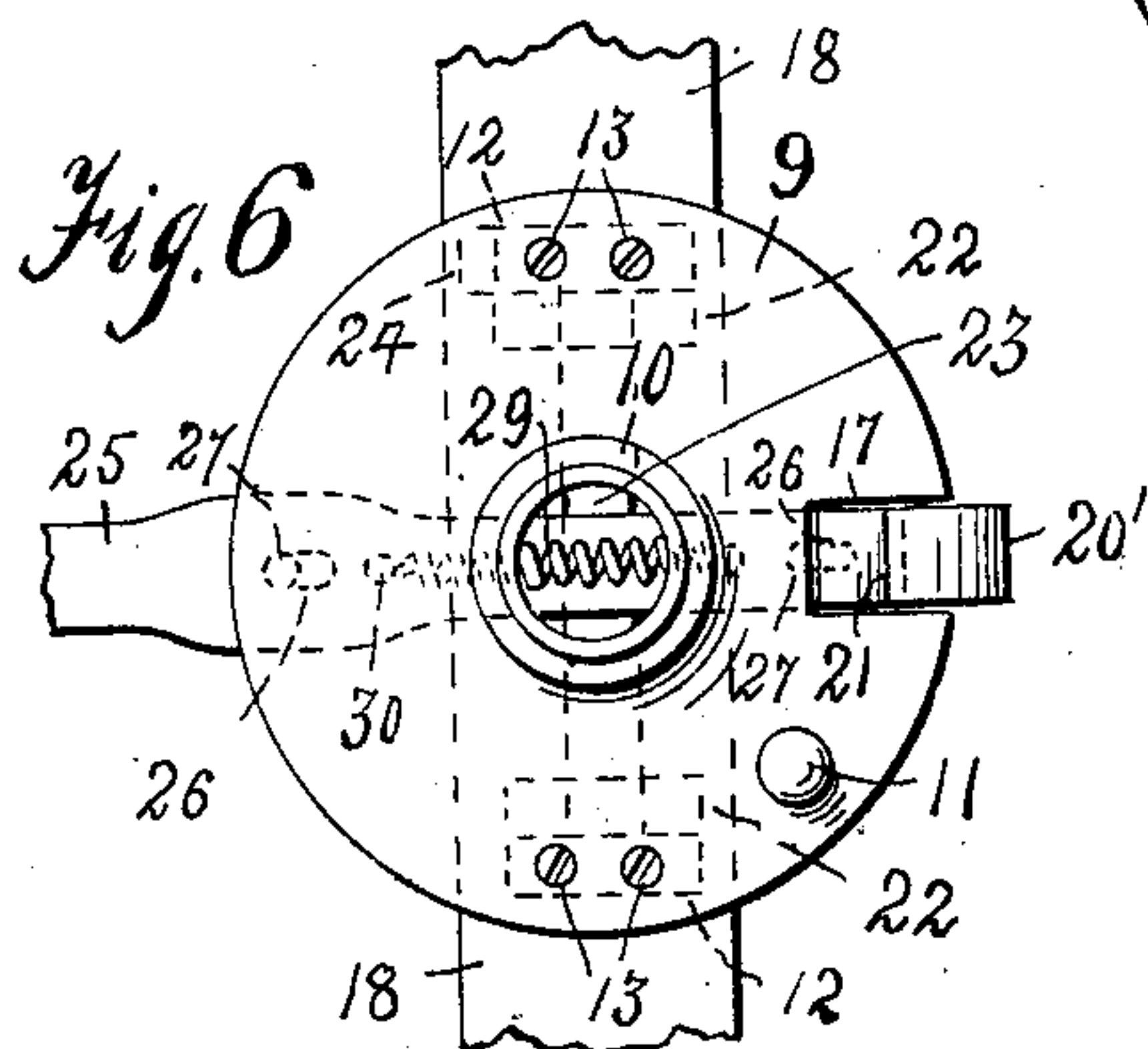
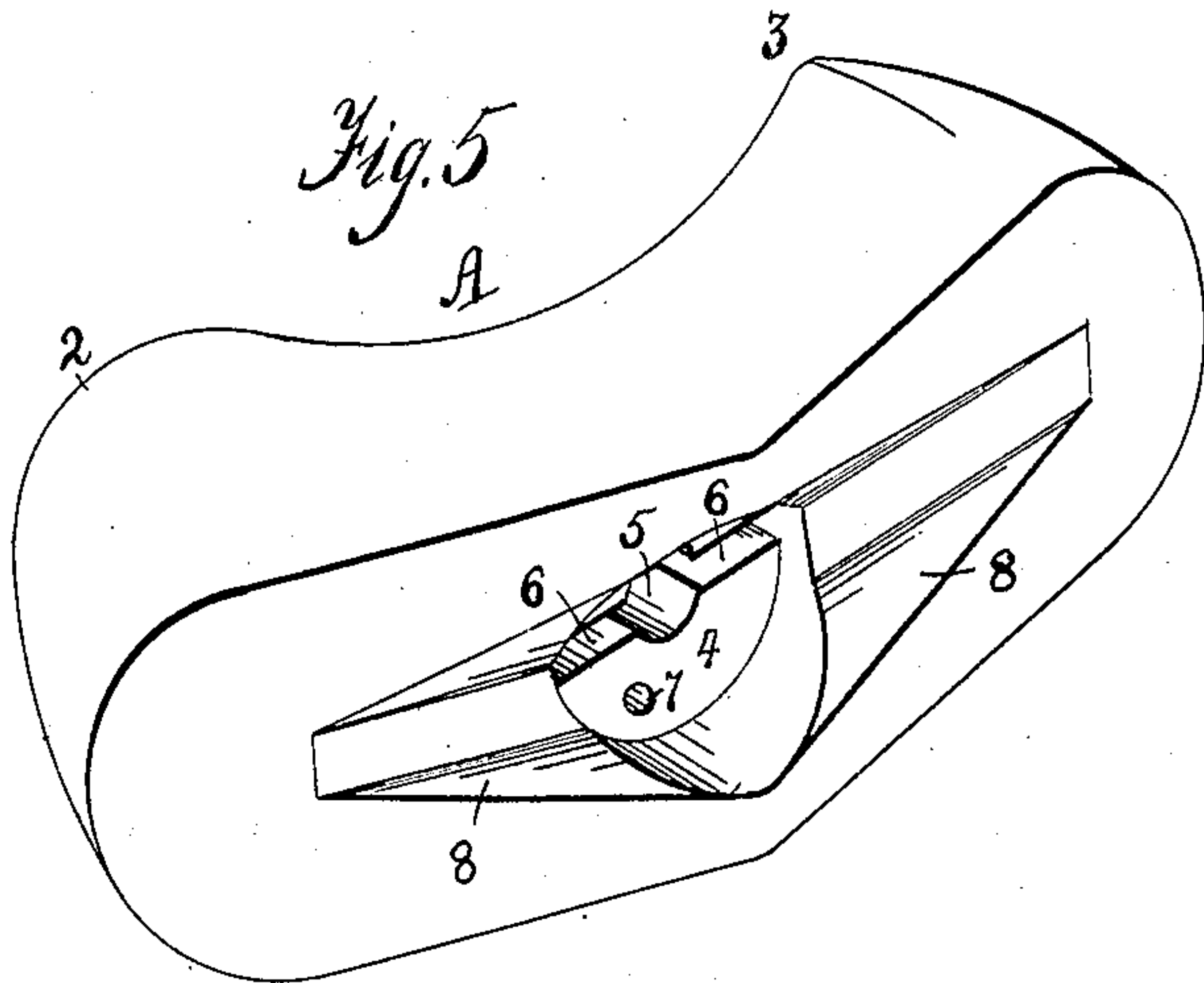
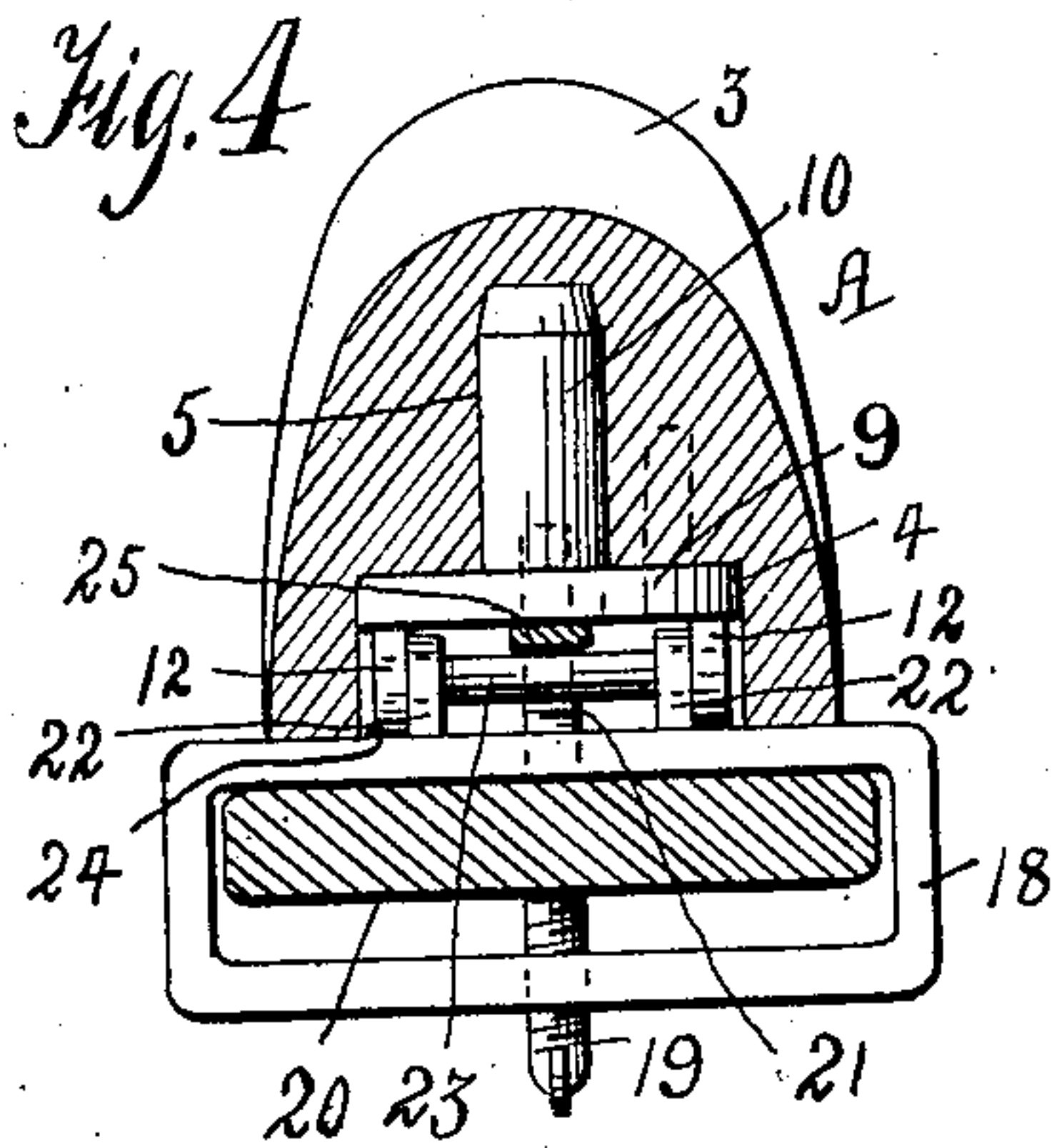
Jacob M. Stein,  
Inventor,  
By *[Signature]*  
Atty.

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2 SHEETS—SHEET 2.



Witnesses,  
M. R. Meacham.  
C. H. Woodward.

Jacob M. Stein,  
Inventor.  
By *[Signature]*  
Atty.



# UNITED STATES PATENT OFFICE.

JACOB M. STEIN, OF WASHINGTON, DISTRICT OF COLUMBIA.

## SHOULDER-PRESSER FORM.

No. 897,422.

Specification of Letters Patent.

Patented Sept. 1, 1908.

Application filed March 4, 1908. Serial No. 419,200.

*To all whom it may concern:*

Be it known that I, JACOB M. STEIN, a citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Shoulder-Presser Forms, of which the following is a specification.

This invention relates to shoulder presser forms.

One object of the invention is to provide a device of the nature stated embodying such characteristics that the pressing of the shoulder portions of garments is expedited and the symmetry and uniformity of the garment insured.

Another object of the invention resides in the provision of a shoulder presser form adapted to insure the proper shaping of each shoulder expeditiously without requiring the movement of the garment into different positions upon the form and without regard to the size of the garment or its form or style.

A further object of the invention resides in the provision of a device of the character stated having means associated therewith whereby the garment may be stretched during the pressing operation to insure the production of a high shouldered garment.

A still further object is to provide a reversible form terminating at each end in a pressing surface whereby the formation of different shaped shoulders may be formed at opposite ends of the form, each end of the latter providing either a shoulder or collar ironing surface or both.

It is still further designed to provide a device for pressing garments which embodies in its organization of elements an attaching means, and a rocking form supporting means whereby the ends of the form may be raised and lowered alternately and the form held against displacement during such movement; there being means provided to prevent accidental backward movement of the form during its rocking movement and there also being means to hold the garment during operation of the form to stretch the garment during the pressing operation and thereby insure proper shaping of the garment.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes may be made in the

form, proportion, size and minor details without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings:—Figure 1 is a side elevation of the invention. Fig. 2 is a top plan view. Fig. 3 is a longitudinal sectional view. Fig. 4 is a transverse sectional view. Fig. 5 is an underneath perspective view of the presser form detached from its supporting and securing elements. Fig. 6 is a top plan view with the presser form removed. Fig. 7 is a sectional view through the supporting means. Fig. 8 is a side elevation of another character of means for supporting the presser form.

Referring now more particularly to the accompanying drawings, the character A indicates one variety of my improved shoulder presser form which terminates at its ends in shoulder pressing surfaces 2 and 3, the end 2 being adapted to provide high shoulders of the civilian variety and the end 3 adapted to provide shoulders of the military type. When a shoulder is being pressed upon the end 2, the end 3 serves as a collar ironing surface, the top of the form between said ends being concave to receive the depression of the garment between the shoulder and collar. When the shoulder is being pressed upon the military end 3, the end 2 serves as a collar ironing surface. Thus each end of the form has the function of providing a combined shoulder and collar ironing surface at each end.

The bottom of the form A is inclined from its center, as shown, and at this intermediate point of the bottom of the form A there is provided a depression 4 arranged centrally of which is a socket 5 into which lead longitudinally of the form the inclined grooves 6, there being diagonally disposed locking recesses 7 formed in the depression and channels 8 formed in the under face of the form upon opposite sides of said depression 4 and in alinement with said inclined grooves 6, said channels being deeper near the depression 4 than at their outer ends and terminating short of the extremities of the form.

As premised in the foregoing my improved presser form has a rocking movement and to insure this rocking movement I mount the same upon a peculiar form of rocking means including a base plate 9 adapted to fit in the depression 4 of the form and provided with a central stud 10 adapted to project into the aforesaid socket 5. This plate 9 is also provided with a locking projection 11 adapted



for interchangeable engagement in the locking recesses 7 according to the position of the form upon its supporting means. Depending from the plate 9 are spaced ears 12, which, if desired, may be formed separate from the plate 9 and secured thereto by means of suitable elements 13. In any event the ears 12 are perforated for a purpose presently explained. This plate has a groove 15 formed in its face opposite that from which the stud 10 projects, and in this groove at one end thereof there is formed a stud 16, there being a slot 17 formed in said plate 9 and leading from the periphery thereof in alinement with said groove 15, the groove 15, stud 16, and slot 17 being formed for a purpose presently explained.

To mount the form and its rocking means in operative position, I provide a suitable attaching means, which may include a clamping bracket 18 having a cooperating clamping screw 19 cooperating therewith, whereby the attaching means may be secured upon a suitable base 20, said bracket 18 having an arm 20' projecting therefrom and terminating in an upwardly directed toothed rack 21 adapted to work through said slot 17 of the supporting plate 9 and fit interchangeably in the aforesaid inclined grooves 6 of the form according to the disposition of the form upon its supporting means. This bracket also has a pair of upstanding perforated ears 22, which are adapted to fit within the space between the aforesaid ears 12 of the form supporting means and whose perforations are adapted to aline to receive the pivot pin 23, by which the supporting means is pivotally mounted for rocking movement, one of said ears 22 having a projection 24 for engagement with the top of the bracket 18 to limit the rocking movement of the form in one direction, the form being limited in its rocking movement in the opposite direction by virtue of the extremity of the extension 21 of the arm 20' engaging said stud 10.

When the form is being rocked it is not absolutely necessary, but it is preferred, that it rock step by step, and it is for this purpose that I provide the toothed extension 21 of the arm 20', which is adapted to cooperate with the slightly curved elongated dog 25 whose body is provided with spaced slots 26 to embrace and slide upon the pins 27 of the plate 9, whereby the dog may have sliding movement interchangeably in the channels 8 of the form according to the position of the form, it being understood that the latter is reversible and that to reverse it, it is simply necessary to lift it off of the stud 10 and replace it in reversed position. The inner end of this dog 25 is preferably beveled, as indicated at 28 for engagement with the teeth of the extension 21 of the arm 20', and this beveled inner end is held normally in engagement with said toothed rack by virtue of a

helical or other spring 29 which fits in the aforesaid groove 15 of the plate 9 and which has one end fitted over the stud 16 of said groove 15 and its opposite end fitted over a pin 30 of the dog, all as clearly shown in the accompanying drawings. By virtue of the slots 26 in the body of the dog, an outward sliding movement of the dog is permitted to disengage its inner end from said rack when desired.

Secured to the base 20 by means of a plate 31 or in any other suitable manner, is an arm 32 having an upwardly directed part 33 which terminates in an inwardly directed clamp supporting part 34 which has one end twisted to provide a clamping element 35 adapted to cooperate with a clamping element 36 to engage the arm-pit of the garment and hold the latter during operation of the form A to permit of a stretching of the garment during the pressing operation. The clamping element 36 is formed at one end of a lever 37 pivoted at 38 upon the arm 34 and also carrying a pivoted locking dog 39 adapted to engage the teeth 40 at the end of the raised portion 41 of the arm 34, as shown, to hold the clamping elements 35 and 36 tightly in engagement with the garment, and if desired these clamping elements 35 and 36 may be provided with rubber or other sleeves (not shown) to reduce friction between the clamping elements and the garment during the stretching operation. However, in this particular instance, it will be understood that any desired form of garment or arm-pit holding means may be employed in lieu of the means just described.

From the foregoing, it will be understood that I provide a reversible shoulder pressing form mounted upon a suitable rocking support with which it has detachable engagement so that the rocking support need not be disengaged from the attaching means but, whereby to reverse the form, it is simply necessary to lift the form to disengage the stud 10 of the supporting means from the socket 5 of the form and place the corresponding end of the form in position for pressing purposes.

It is my intention to claim in this case a form, whether reversible or not which is mounted upon a rocking support, and it is also my intention to claim a particular form independent of any means of mounting the same, there being shown in Fig. 8 of the accompanying drawings, a form which has a stationary mounting; that is, secured in place by means of a suitable bracket 42 to a suitable base 43.

In practice, the garment is placed upon the form, as shown in Fig. 1 and the arm-pit engaged by the arm-pit or garment holding means. A damp cloth is then placed over the shoulder and a heated iron applied to the damp cloth to press the shoulder. Pressure



is brought to bear upon the inner end of the form by the operator either with his free hand or by pressure upon the inner end of the form with the iron, resulting in the inner end of the form moving downwardly and the outer end thereof moving upwardly to stretch the garment between the outer end of the form and the garment holding means, the engagement of the dog 25 with the toothed rack 21 of the arm 20' permitting of the step by step rocking movement and preventing accidental backward movement of the form. Thus the garment may be ironed and stretched upon the one form and without necessarily shifting the garment from one side of the form to the other side thereof, as is customary in the use of the well known presser or bosom board. The shoulder is pressed at the outer end of the form and the collar may be pressed upon the inner end thereof. When the garment is removed from the form for the pressing of the opposite shoulder, it is simply necessary to pull upon the dog 25 and force the form to its initial position.

When it is desired to produce the military effect to shoulders, it is simply necessary to lift the form from its supporting means and reverse the positions of the shoulder ends from that shown in the drawings, as should now be well understood.

Having thus described the invention, what is claimed as new is:—

1. A reversible shoulder presser form terminating at each end in a combined shoulder and collar pressing surface.

2. A reversible shoulder presser form embodying a block terminating at each end in a shoulder pressing surface, each end having a different formation, whereby shoulders of different contours may be formed.

3. A shoulder presser form terminating at each end in a shoulder pressing surface, and a rocking support for the form.

4. A reversible shoulder presser form terminating at each end in a shoulder pressing surface, each end having a different formation, whereby shoulders of different contours may be formed, the form having recesses therein, and a supporting means for the form including a projection for interchangeable engagement in said recesses.

5. A shoulder presser form terminating at each end in a shoulder pressing surface, the top of the form intermediate the ends being concave, and a supporting means constructed and arranged whereby the opposite shoulder pressing surfaces may be raised and lowered alternately.

6. A reversible shoulder presser form terminating at each end in a combined shoulder and collar ironing surface, and also having a socket and locking recesses in its under face, and a rocking supporting means including a stud for insertion in said socket and a lock-

ing projection for interchangeable engagement in said recesses.

7. A reversible shoulder presser form and a rocking supporting plate for the form.

8. A reversible shoulder presser form and a rocking supporting plate detachably secured to the form intermediate the ends of the latter.

9. In a device of the character described, a reversible form having a socket in its bottom intermediate its ends and also having a recess upon each side of the socket and also provided with grooves leading into said socket, and with channels extending from said grooves toward the opposite ends of the form, a supporting plate having a central stud for engagement in said socket and also having a locking projection for engagement in said recesses interchangeably to lock the form against rotation, said plate also having a slot, a groove and depending ears, said groove having a stud at one end, an attaching means having ears, a pivot pin passed through the ears of said plate and the attaching means, said attaching means also having an arm working through the slot of said plate and projecting interchangeably in the said grooves of the form and provided with a toothed face, a locking dog slidably mounted upon the aforesaid plate and disposed interchangeably in said channels of the form and having its inner end beveled to engage said teeth, said dog also having a pin extending into the groove of said plate, and a spring disposed in the groove of the plate and having connection at its opposite ends with said stud and the last mentioned pin to hold the dog normally in engagement with the teeth of said arm.

10. In a device of the character described, a reversible form having a socket in its bottom, a recess upon each side of the socket and also having grooves leading into said socket with channels extending from said grooves toward opposite ends of the form, a form supporting plate having a stud for removable engagement in said socket and also having a locking projection for engagement in said recesses interchangeably to lock the form against rotation, said plate also having a slot, a groove and depending ears detachably secured thereto, said groove having a stud at one end, an attaching means having ears, a pivot pin passed through the ears of said plate and the attaching means, said attaching means also having an arm provided with a toothed extension working through said slot of said plate and projecting interchangeably into the grooves of the form, one of the ears of said plate having a projection to limit the movement of the supporting plate in one direction and the extremity of the toothed extension of said arm engaging said stud of the plate to limit the movement of said plate in the other direction, a locking



dog slidably mounted upon the aforesaid plate and disposed interchangeably in said channels of the form and having its inner end beveled to engage said teeth, said dog  
5 also having a pin extending into the groove of said plate, and a spring disposed in the groove of the plate and having connection at its opposite ends with said stud and the last mentioned pin to hold the dog normally in  
10 engagement with the teeth of said extension of the arm of the attaching means.

11. In a reversible shoulder presser form terminating at each end in a shoulder ironing surface, one ironing surface serving as a col-  
15 lar ironing surface when the opposite end is used for shoulder ironing purposes, a rocking supporting means upon which the form is

removably mounted, means permitting of a step by step rocking movement of said form supporting means, and means to prevent 20 rotation of the form.

12. In a reversible shoulder presser form, a rocking supporting means upon which the form is removably mounted to effect an alter-  
25 nate raising and lowering of the ends of the form, and attaching means coupled to the rocking supporting means.

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

JACOB M. STEIN.

Witnesses:

H. CLIFFORD BANGS,  
L. F. HERBERT.