

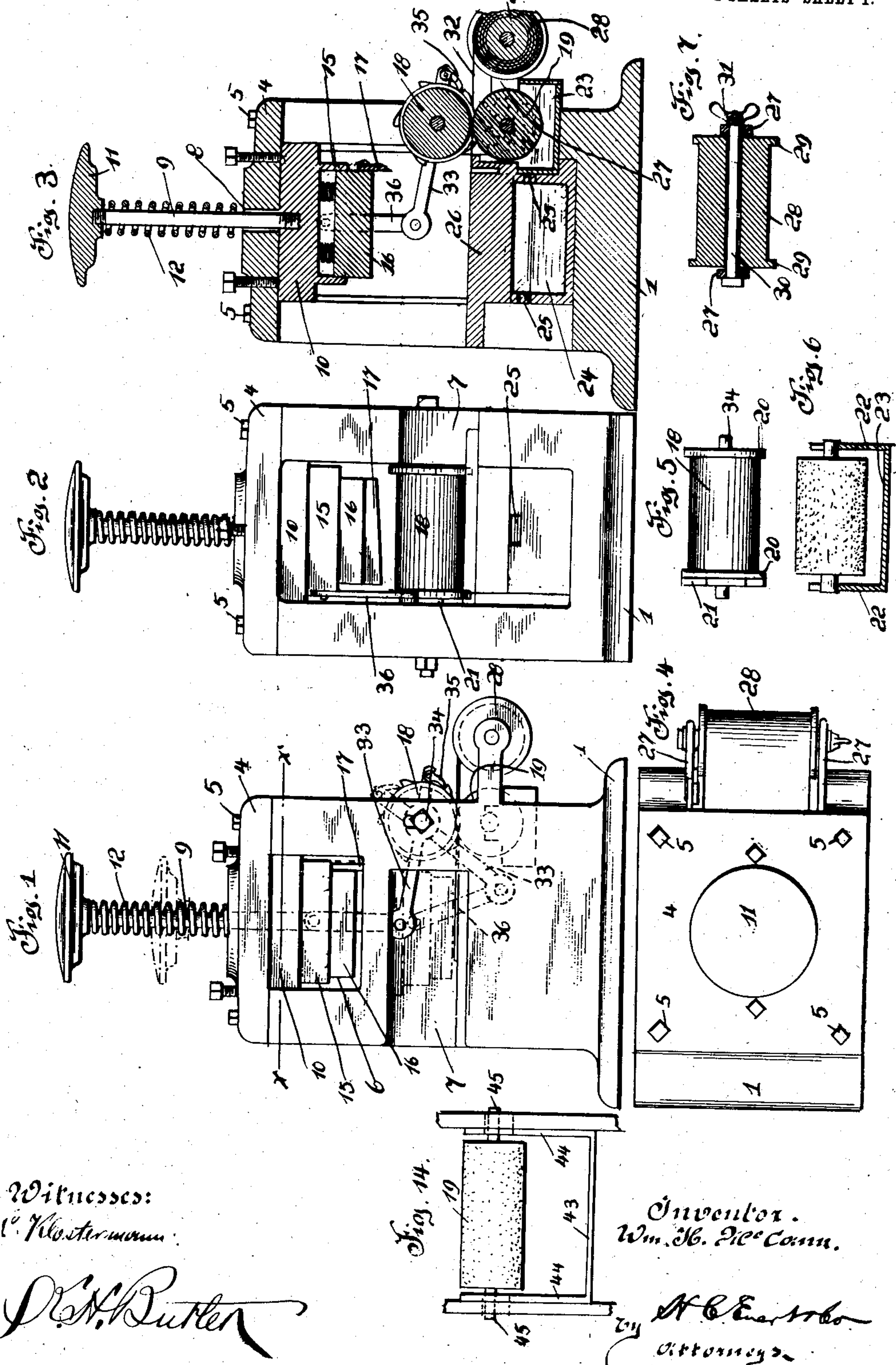
No. 834,631.

PATENTED OCT. 30, 1906.

W. H. McCANN.  
STAMPING AND LABELING MACHINE.

APPLICATION FILED APR. 18, 1906.

2 SHEETS—SHEET 1.



Witnesses:

C. Kostermann

*D. H. Butler*

Inventor.  
Wm. H. McCann.

*H. C. Enright*  
Attorneys.

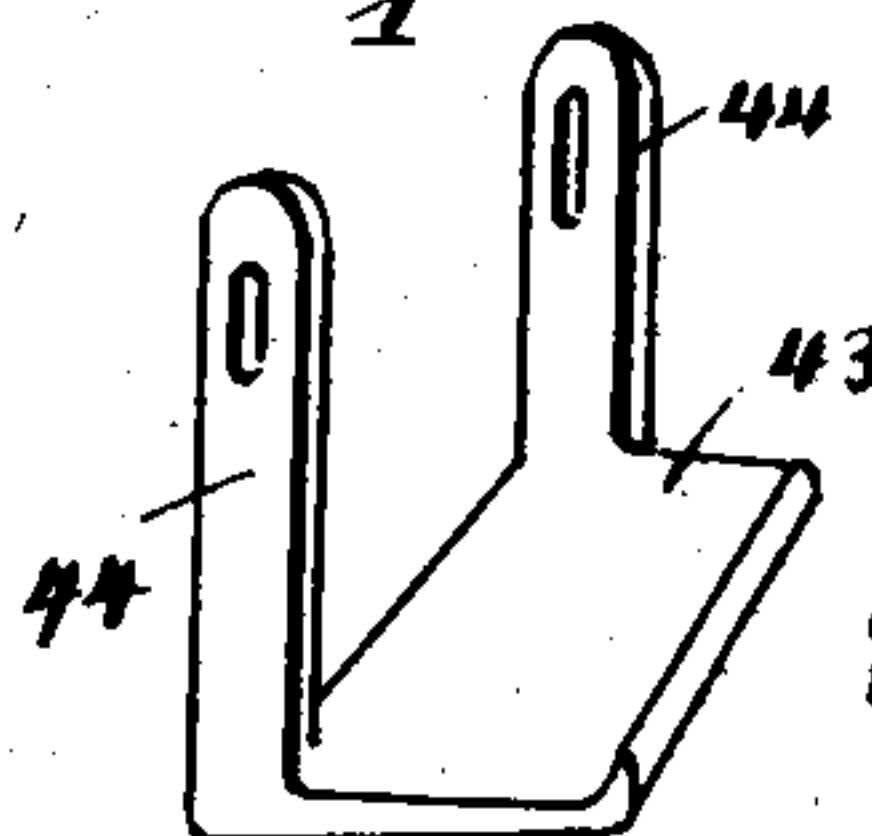
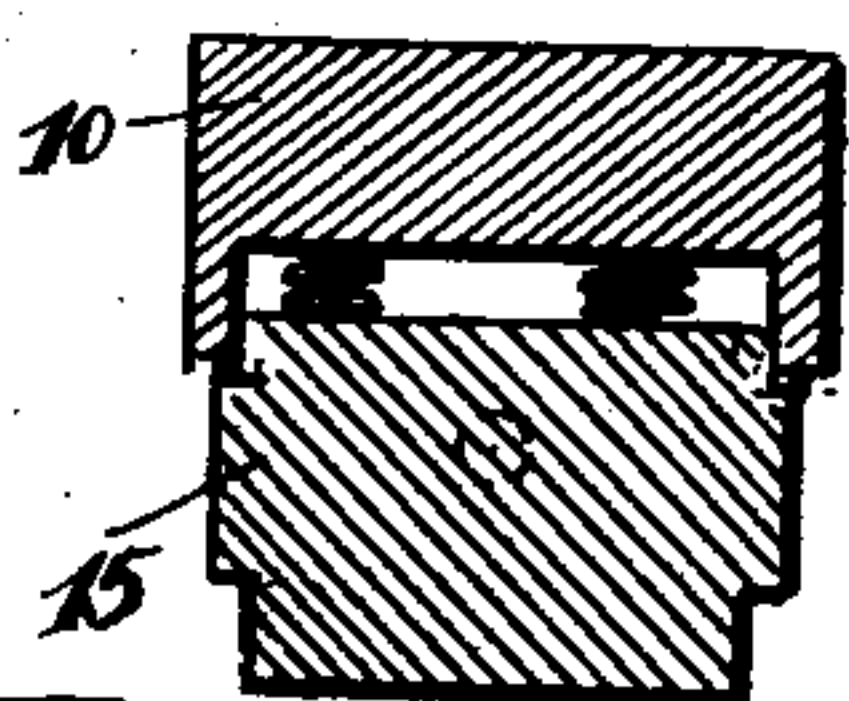
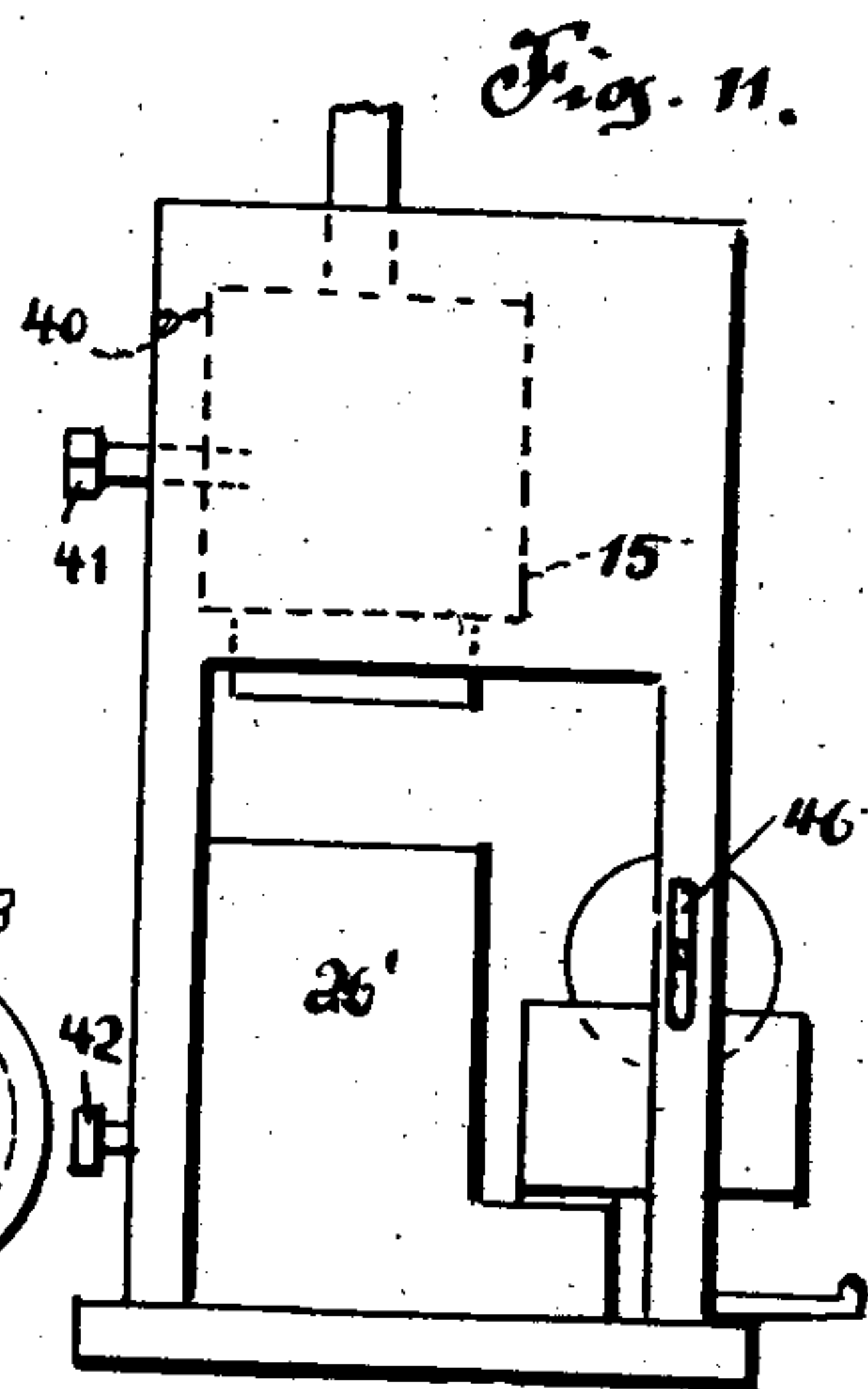
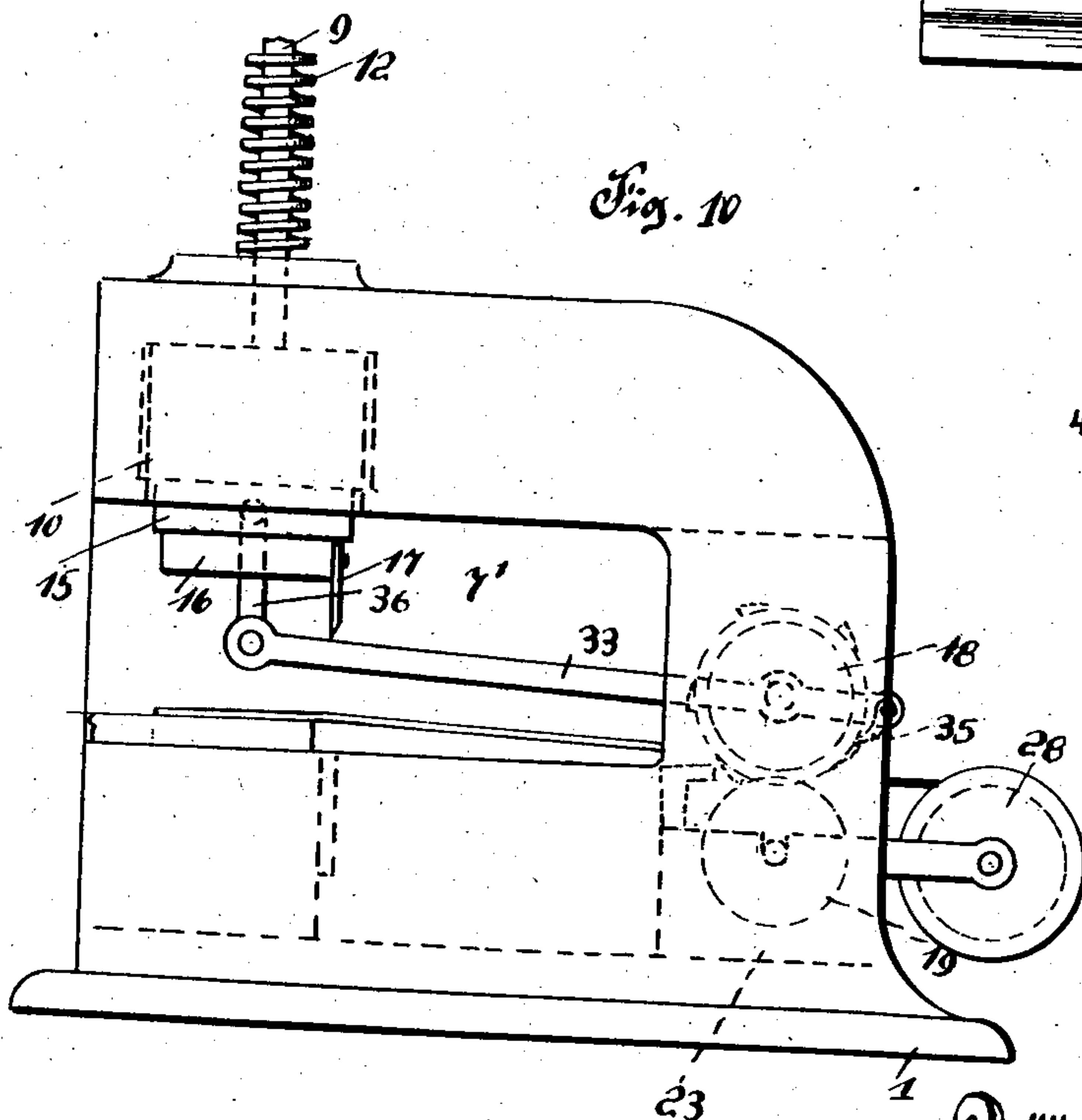
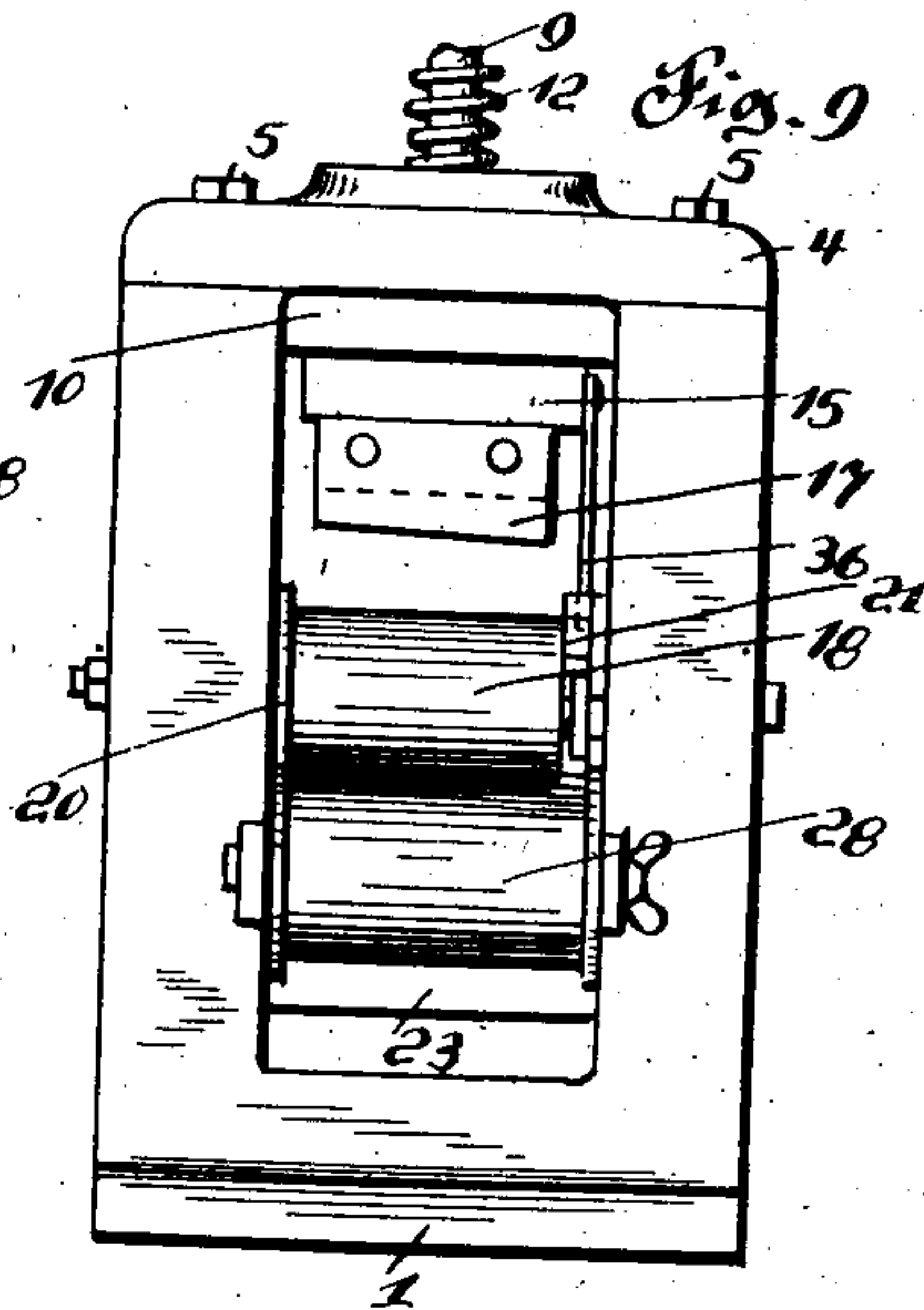
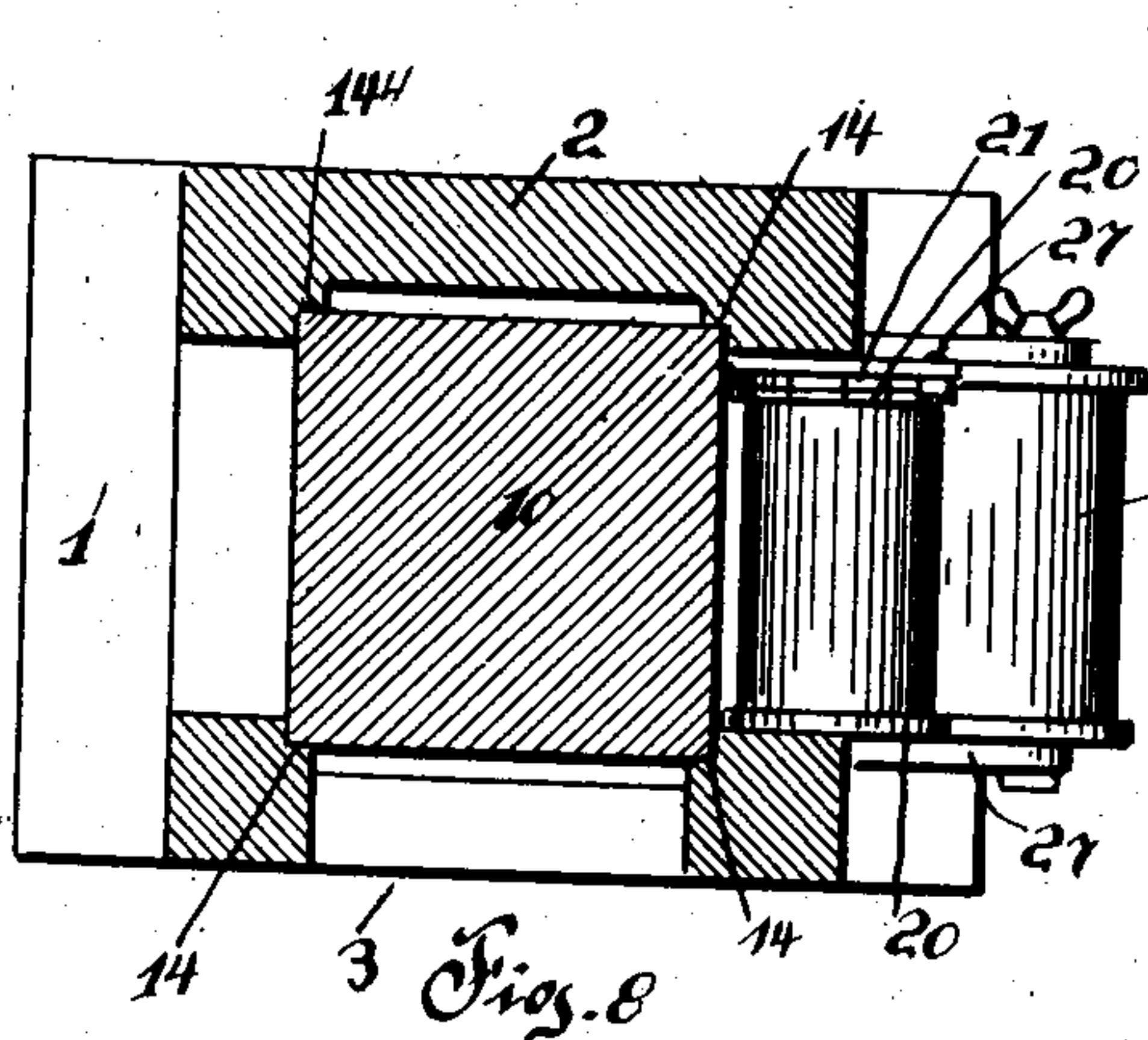
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2 SHEETS—SHEET 2.



Witnesses  
C. Klottermann.

J. H. Butler

Fig. 12

Fig. 13

Inventor.  
Wm. H. McCann.

Attorneys.



# UNITED STATES PATENT OFFICE.

WILLIAM H. McCANN, OF PITTSBURG, PENNSYLVANIA.

## STAMPING AND LABELING MACHINE.

No. 834,631.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed 18, 1906. Serial No. 312,415.

*To all whom it may concern:*

Be it known that I, WILLIAM H. McCANN, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Stamping and Labeling Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in stamping and labeling machines; and the invention relates more particularly to a machine employed for applying postage-stamps to letters and labels or stamps to newspapers and circulars.

The primary object of this invention is to provide a simple and inexpensive machine for automatically moistening stamps, positioning said stamps, and bringing a pressure to bear upon said stamps in order that they will be adhesively secured to the envelop, circular, or paper placed within my improved machine.

Another object of this invention is to provide a novel machine particularly adapted for merchants having a large mail-order business, where a large number of letters, circulars, or papers are provided with postage-stamps or labels to be transmitted through the mails. To this end I have devised a machine in which a letter, folded paper, or circular is placed to receive the stamp or label necessary for its transmission, and in connection with the machine I employ rolls of stamps which are automatically fed to an envelop, moistened, and adhesively secured to said envelop, the mechanism employed to accomplish this being positive in its action and free from all danger of being injured by constant use.

With the above and other objects in view, which will hereinafter more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts, to be hereinafter more fully described and claimed, and referring to the drawings accompanying this application like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of my improved machine. Fig. 2 is a front elevation. Fig. 3 is a vertical sectional view. Fig. 4 is a plan. Fig. 5 is a front elevation of a feed-roll. Fig. 6 is a similar view of a moistening-roll. Fig.

7 is a longitudinal sectional view of a stamp-carrying roll. Fig. 8 is a horizontal sectional view on the line  $xx$  of Fig. 1 looking in the direction of the arrow of said figure. Fig. 9 is a rear elevation of a machine. Fig. 10 is a side elevation of a machine designed for stamping and labeling newspapers or circulars. Fig. 11 is a side elevation of my improved machine, illustrating a further modification. Fig. 12 is a sectional view of the plunger-head of said machine. Fig. 13 is a perspective view of a supporting-plate used in connection with the machine. Fig. 14 is a front elevation of the same.

To put my invention into practice, I construct my improved machine of a framework consisting of a base portion 1, side walls 2 and 3, and a top detachable plate 4, said plate being secured upon the side walls 2 and 3 by screw-bolts 5. The side wall 3 at its upper end is cut away, as at 6, while intermediate its ends it is provided with a horizontally-disposed slot or recess 7, which permits of the insertion of an envelop or similar package within the machine.

The top 4 is provided with a vertically-disposed opening 8, in which is mounted a plunger 9, said plunger being provided with a detachable head 10 upon its lower end and a cap or knob 11 upon its upper end. A coiled spring 12 surrounds the plunger 9 between the cap or knob 11 and the top of the plate 4, said spring normally holding the plunger in an elevated position. The plunger-head 10 is guided in its movement by guideways 14 14, formed in the side walls 2 and 3 of the machine. The head 10 is provided with a depending casing 15, in which is mounted a sealing-block 16, the rear edge of said block being provided with a knife-blade 17, the object of which will be presently described.

Between the rear edges of the side walls 2 and 3 is journaled a feed-roll 18 and a moistening-roll 19, the feed-roll 18 being flanged, as at 20 20, and provided with a ratchet-wheel 21 upon its one end. The moistening-roll 19 is preferably constructed of felt or a similar absorbent material, this roll being journaled in the side walls 22 22 of a receptacle 23, which is supported by the base portion 1 of the machine. The base portion 1 of the machine also supports a tank 24, which is provided with openings 25 25, whereby water may be placed within the tank 24 and fed into the receptacle 23. The tank 24, to—



gether with the side walls 2 and 3 of the machine, supports a platform 26, upon which envelops or similar packages are placed when they are to be stamped or labeled.

5 The rear edges of the side walls 2 and 3 are provided with outwardly-extending brackets 27 27, in the outer ends of which is journaled a stamp-carrying roll 28, said roll being in a plane horizontal to the moistening-roll 19 and being flanged, as at 29 29, to support strips of stamps or labels, the strips of stamps or labels being wound upon the roll 28 prior to its insertion in the machine. To permit of the roll 28 being easily and quickly re-  
10 moved, the same is journaled in the brackets 27 by a bolt 30, carrying a winged thumb-nut 31. The strip of stamps or labels, which I have designated 32, is adapted to pass between the feed-roll 18 and the moistening-  
20 roll 19 and out upon the platform 26. To revolve said rolls, I employ a pivoted lever 33, said lever being pivoted upon the spindle 34 of the feed-roll 18. The one end of the lever 33 is provided with a spring-held pawl 35, which normally engages the ratchet-wheel 21. The opposite end of the lever 33 is connected by a link 36 to the casing 15 of the plunger-head 10.

Operation: Assuming that a strip of stamps or labels extends between the feed-roll 18 and the moistening-roll 19 and that an envelop or similar package has been placed in the slot 7 of the machine beneath the sealing-block 16, the cap or knob 1' of the plunger is struck, forcing the head 10 downwardly, together with the sealing-block 16. In order that a stamp or label may be adhesively sealed by the block 16 upon the envelop or package within the machine, the  
40 envelop or package is placed under the strip of stamps, whereby the first stamp protruding from the rolls 18 and 19 will rest upon the envelop or package. The downward movement of the plunger 9 severs the stamp or label from the strip 32, this being accomplished by the knife-blade 17. As the strip of stamps or labels has been moistened by the roll 19, the sealing-block 17 will adhesively secure the severed stamp or label to the envelop or package, and as the plunger 9 is released it will be returned to its normal position by the spring 12.

The return movement of the plunger 9 actuates the lever 33 to move the feed-roll 18 a partial revolution, which feeds another stamp or label beyond the rolls 18 and 19, thus placing it in position to be adhesively secured to another envelop or package placed within the machine. The downward movement of  
60 the plunger 9 causes the spring-pressed pawl 35 to recede over the ratchet-wheel 21 and take a fresh grip prior to partially rotating the roll 18.

In Fig. 10 of the drawings I have illustrated a machine designed for placing labels

or stamps upon newspaper rolls or packages, the machine being made of a greater length and provided with a larger slot 7' than the machine heretofore described, the remaining construction of the machine being similar to  
70 the machine employed for stamping and labeling envelops.

Certain modifications are illustrated in Figs. 11 to 14, inclusive, wherein I have provided the side walls 2 and 3 of the machine  
75 with a transverse plate 40, and passing through said plate is a screw 41, adapted to engage the casing 15 of the plunger-head 10, whereby said casing may be horizontally moved. The casing is slidably connected to  
80 the plunger-head 10, as illustrated in Fig. 12 of the drawings. A still further modification resides in adjustably mounting the platform 26', said platform being adjusted by a screw 42. In order that a strip of stamps  
85 may be easily and quickly inserted between the rolls 18 and 19, the roll 19 can be supported in a frame 43, said frame consisting of slotted arms 44 44, through which the spindles 45 45 of the roll 19 protrude, and end  
90 slots 46 46, formed in the side walls 2 and 3 of the machine.

From the foregoing it will be observed that I have devised a simple and effective machine for automatically stamping envelops or  
95 similar packages, and when the machine is constructed of strong and durable metal it can be easily and quickly operated to more rapidly apply stamps and labels than if manually performed by persons licking or moist-  
100 ening stamps or labels to be applied to an envelop or similar package.

What I claim, and desire to secure by Letters Patent, is—

1. In a stamping and labeling machine, a  
105 frame open on opposite sides, a top plate secured on said frame, a spring-pressed plunger operating through said top plate, a head detachably connected to the lower end of said plunger within the frame and having a de-  
110 pending casing, a sealing-block carried by said casing, and a knife carried by said sealing-block, a pair of brackets carried by the frame, a stamp-carrying roll removably mounted in the outer ends of said brackets, a  
115 feed-roll and a moistening-roll journaled in the frame, a ratchet-wheel carried by the feed-roll, a lever pivoted on the spindle of said feed-roll and having a pawl for engagement with said ratchet, and a link connect-  
120 ing the other end of said lever with the casing carried by said head, as and for the purpose described.

2. A stamping and labeling machine comprising a frame cut away on opposite sides, a  
125 supporting-bed therein, a top plate carried by the frame, a spring-pressed plunger supported by the top plate and operative there-through, a head secured to the lower end of said plunger within the frame and carrying a  
130



casing, a spring-pressed sealing-block within  
said casing, a knife carried by said sealing-  
block, a feed-roll and a moistening-roll jour-  
naled in the frame, a stamp-carrying roll sus-  
5 pended from the frame outside thereof in  
horizontal alinement with the moistening-  
roll, a ratchet-wheel on said feed-roll, a lever  
carried by the spindle of said feed-roll and  
having a pawl on one end for engagement

with said ratchet-wheel, and a link connect- 10  
ing the other end of said lever to the casing  
of said head, substantially as described.

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

WILLIAM H. McCANN.

Witnesses:

C. KLOSTERMANN,  
A. M. WILSON.