

No. 686,509.

Patented Nov. 12, 1901.

J. A. CRANDALL.
ADJUSTABLE HAND STAMP.

(Application filed July 6, 1901.)

(No Model.)

Fig. 1.

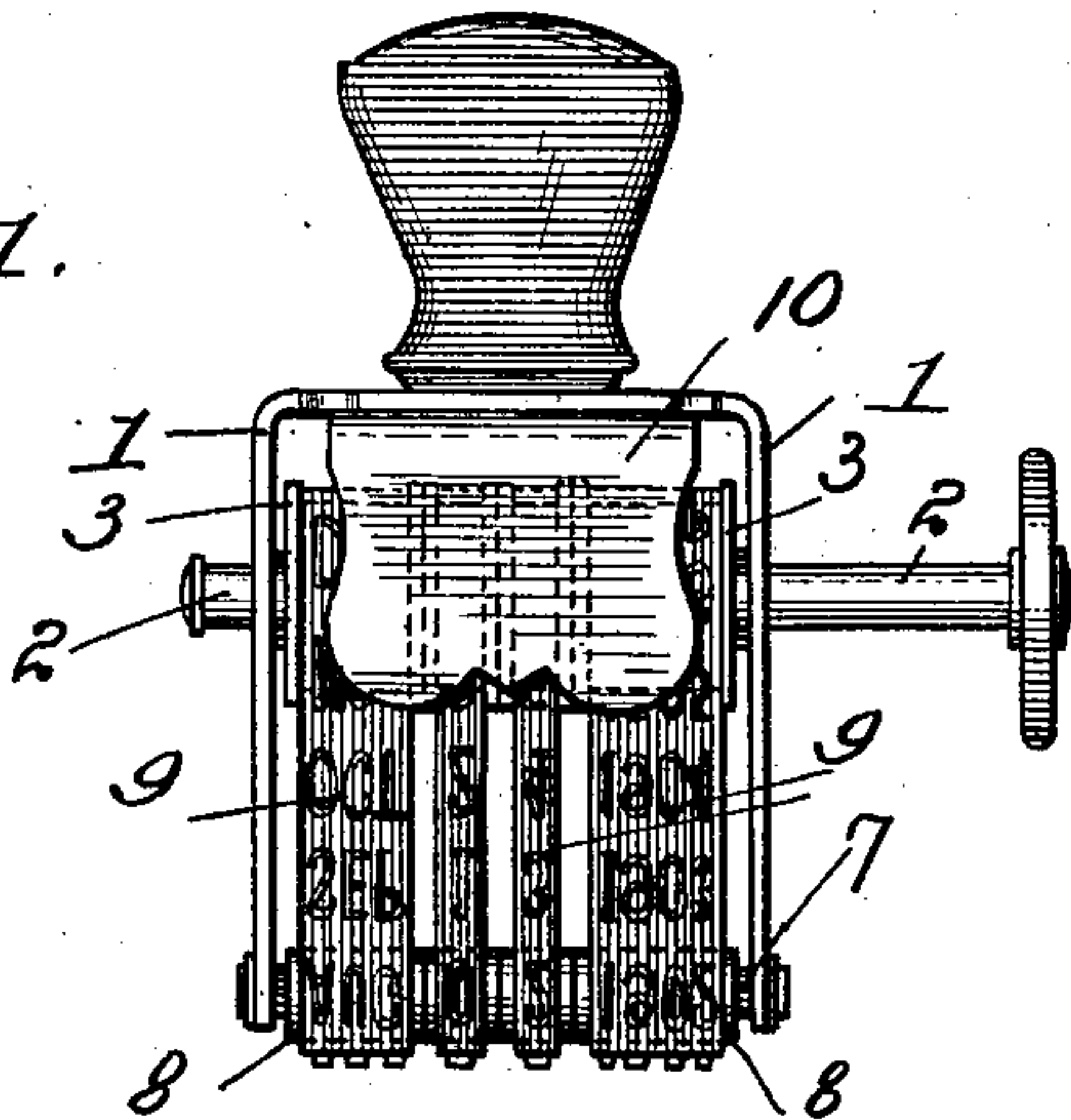


Fig. 2.

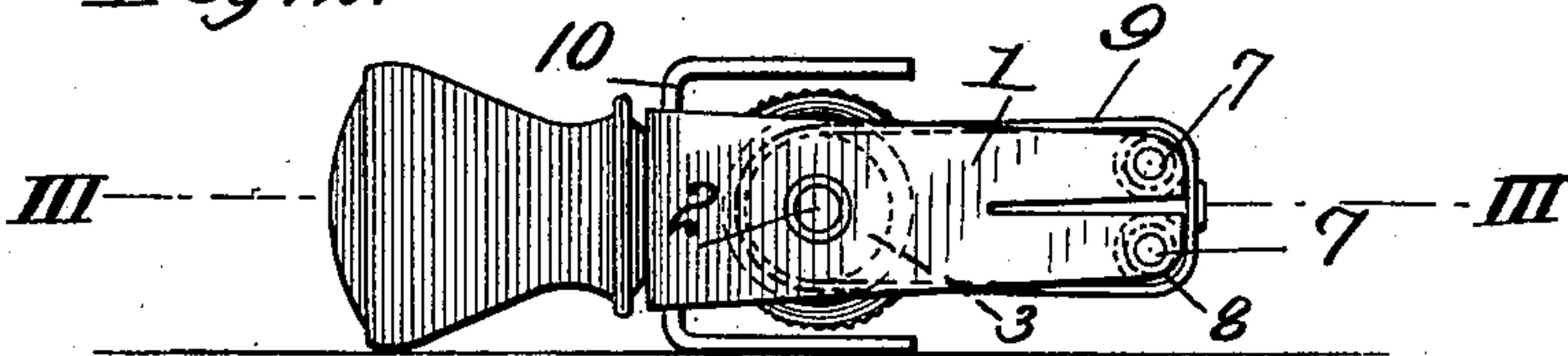


Fig. 3.

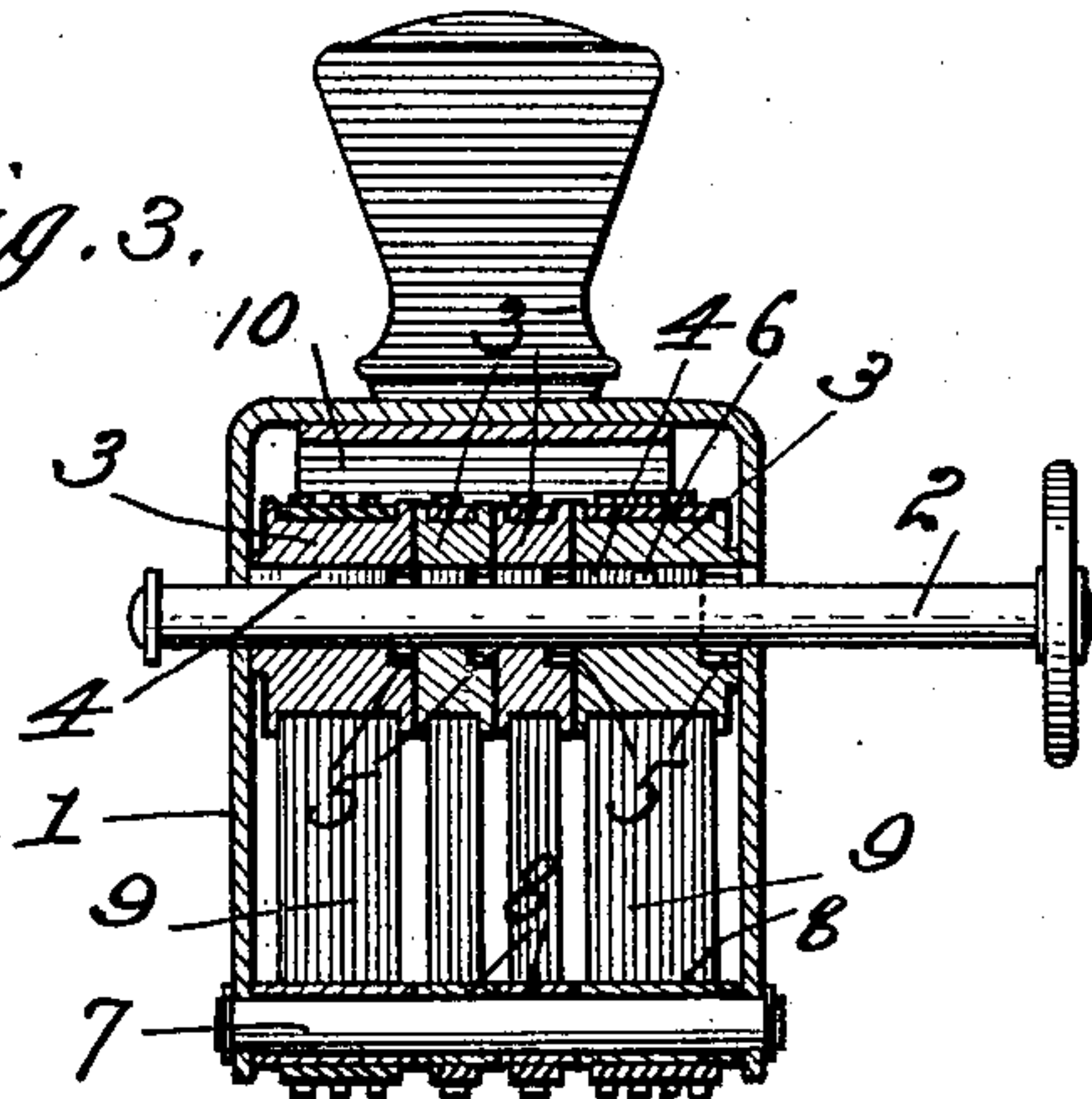
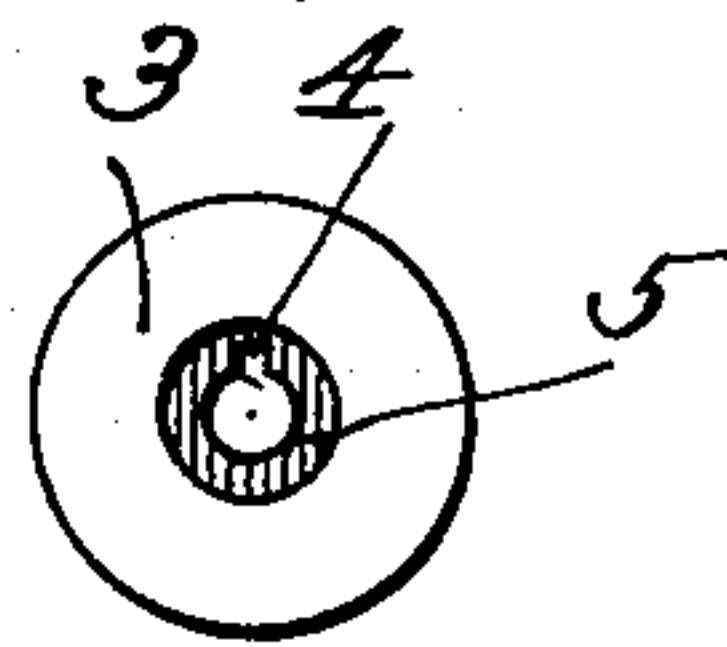


Fig. 4.



WITNESSES:

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JESSE A. CRANDALL, OF BROOKLYN, NEW YORK, ASSIGNOR TO STEPHEN V. WHITE, OF BROOKLYN, NEW YORK.

ADJUSTABLE HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 686,509, dated November 12, 1901.

Application filed July 8, 1901. Serial No. 67,302. (No model.)

To all whom it may concern:

Be it known that I, JESSE A. CRANDALL, a citizen of the United States, and a resident of the borough of Brooklyn, county of Kings, city and State of New York, have invented certain new and useful Improvements in Adjustable Hand-Stamps, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a side elevation of the stamp; Fig. 2, an end elevation showing the device resting on its side, and Fig. 3 a vertical longitudinal section on the line III III of Fig. 2.

This invention has for its main object to provide means for adjusting the type-bands individually without the necessity of touching said bands with the fingers, the means for manipulating the bands being extended through one of the side frames of the stamp and being provided with a hand-engaging device outside of the frame.

Another object of this invention is to provide the frame of the stamp with a shield or rest, which is designed to support the stamp when it is resting on its side and to prevent the type-bands from contacting with the surface upon which the stamp is resting. This shield also prevents the fingers which grasp the stamp from slipping down into contact with the type-bands.

Referring to the various parts by numerals, 1 designates the frame of the stamp, and 2 a horizontal shaft mounted in said frame near its upper end. On this shaft between the sides of the frame 1 are loosely mounted four spools 3, around which the endless type-bands pass. Each spool is provided with a keyway 4 extending through it, and near one of its sides, preferably the right-hand side, as shown in the drawings, said spool is formed with an annular recess or cavity 5, which extends around the shaft-opening. The shaft 2 is slidable through the frame and the spools and is provided at a point between the side bars of the frame with a radial pin 6, which is adapted to be moved back and forth through the keyways in the spools. On the end of the shaft 2 opposite the hand-engaging wheel is secured a collar, which prevents the shaft being drawn entirely out of the frame of the stamp.

Extending across between the side bars at their lower ends is a pair of parallel horizon-

tal bars or rods 7, on which are loosely mounted sleeves 8. The endless type-bands 9 travel over these sleeves, as shown. As will be readily seen by referring to Fig. 2 of the drawings, the rods 7 are in the same horizontal plane when the device is in its upright printing position and that therefore the type-bands between the vertical centers of these rolls will be held flat and that a good printing-surface will be thereby provided.

To adjust the type-bands so as to bring the desired type below the two bars 7, the shaft 2 is moved laterally to bring the radial pin carried thereby into the keyway of the spool it is desired to rotate. When the shaft has been moved to the desired spool, it is rotated to bring the desired character on the type-band into printing position below the transverse bars 7. In adjusting the shaft 2 laterally from one spool to the other it is moved endwise to bring the radial pin into the annular recess in the end of one of the spools. The shaft is then rotated and a slight lateral strain maintained thereon until the radial pin registers with and slips into the keyway in the next spool. In this way the various spools may be readily rotated without engaging them directly by the hand.

Secured to the top of the frame 1 is a shield 10, which extends transversely through the frame between the side bars thereof, the ends of said shield being bent downward and extending partly over the type-bands, as shown, to prevent the fingers of the hand grasping the handle from contacting with the type-bands. This shield forms a support or rest for the stamp when it is placed on the desk, the stamp being so balanced that the handle and the shield will rest on the supporting-surface and the type-bands will be held out of contact therewith. It will be observed that the depending ends of the shield are formed flat and lie in planes substantially at right angles to the planes of the side bars of the main frame, so that each of these depending portions will form a broad flat bearing or support for the stamp, which will effectually prevent the lower portions of the rubber bands coming in contact with the surface of the desk or table on which the stamp is resting, as shown in Fig. 2.

When it is desired to reset all the type-

bands of the stamp, the shaft 2 is manipulated to bring the radial pin into the keyway of the spool at the left-hand side of the stamp-frame. The shaft and the engaged spool are
 5 then turned to bring the desired type on that band into printing position. The shaft is then moved to the right to bring the radial pin into the annular recess in said spool and against the side of the next spool. The shaft
 10 may now be rotated without disturbing the position of the type-band which has just been manipulated. When the device is used merely as a dating-stamp, the radial pin may be permitted to remain in engagement with
 15 the keyway of the spool over which the units type-band passes, and need only be moved therefrom occasionally to shift the other bands.

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

1. In a hand-stamp, the combination of a frame, a transverse slidable shaft mounted in said frame, a series of spools loosely mounted
 25 on said shaft between the side bars of the frame, each spool being formed with a keyway extending entirely through its axial opening, a key carried by the shaft and adapted to engage and passed through the spools one
 30 at a time as said shaft is moved laterally whereby each spool may be caused to rotate with the shaft, a transverse device at the lower end of the stamp-frame, and a series of endless type-bands passing around the
 35 spools and the device at the lower end of the frame.

2. In a hand-stamp, the combination of a

frame, a transverse slidable shaft carried by said frame near its upper end, a series of spools loosely mounted on said shaft between
 40 the side bars of the frame, each spool being formed with a keyway extending through the spool parallel with the shaft and an enlarged annular recess at one end thereof, a radial pin carried by the shaft and adapted
 45 to slide through the keyways in the spools, a transverse device in the lower end of the frame parallel with the spool-shaft, a series of endless type-bands passing around the spools and the transverse device at the lower
 50 end of the frame, and a hand-engaging device on one end of the shaft.

3. In a hand-stamp, the combination of a frame, a series of endless type-bands carried by the frame, means for adjusting said bands
 55 to bring the desired characters into printing position, and a shield secured to said frame its ends extending down and partially covering the type-bands to protect them and to form a rest or support for the stamp to hold
 60 the type-bands out of contact with the surface on which the stamp is placed, said downward-extending portions of the shield being substantially flat and lying in planes approximately at right angles to the planes of the
 65 side pieces of the frame, whereby said portions form broad, flat supports.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 5th day of July, 1901.

JESSE A. CRANDALL.

Witnesses:

PERCY G. B. GILKES,
 ROBERT H. RANDALL.