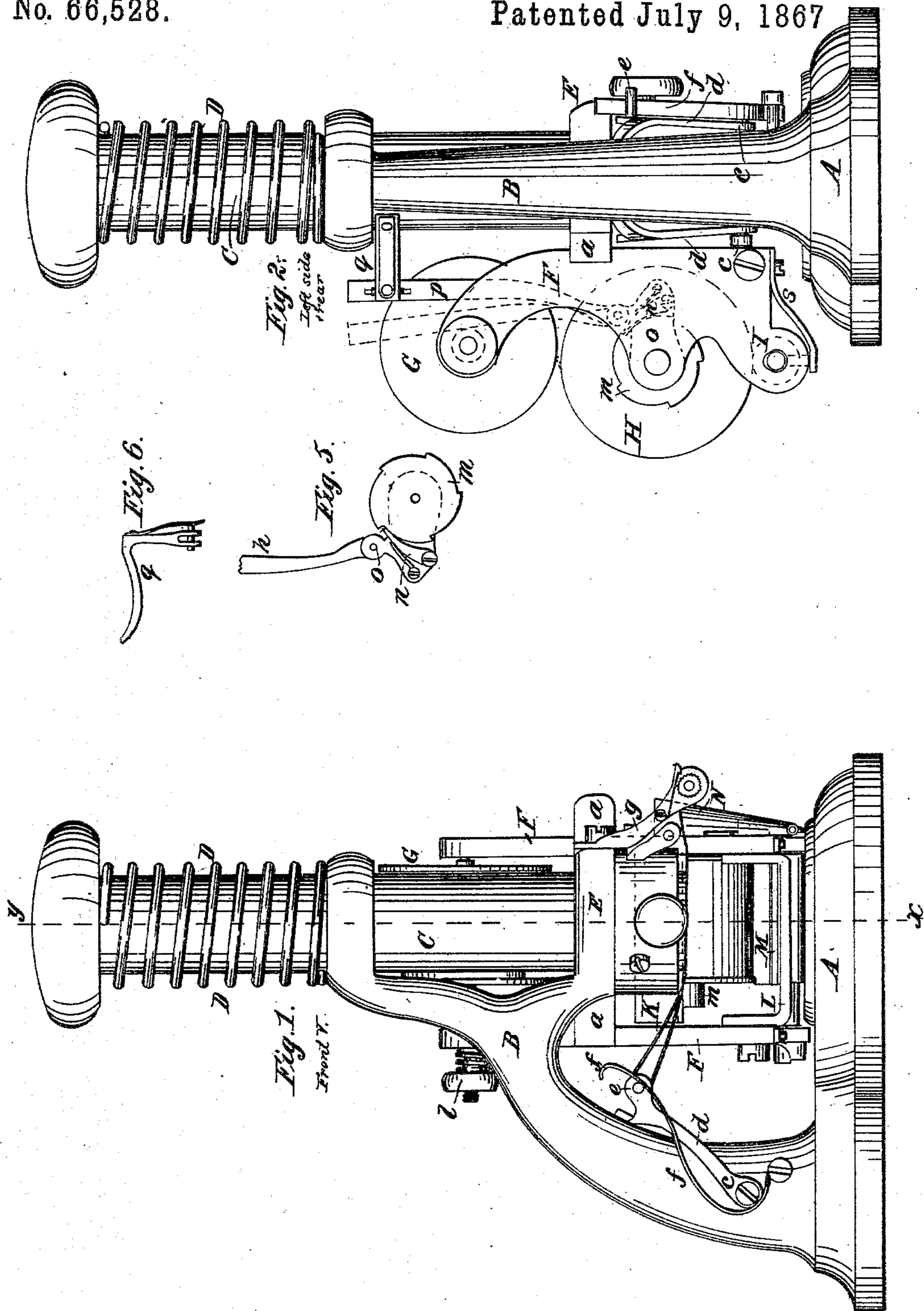


T. A. SLACK.
STAMP AFFIXER AND CANCELER.

No. 66,528.

Patented July 9, 1867



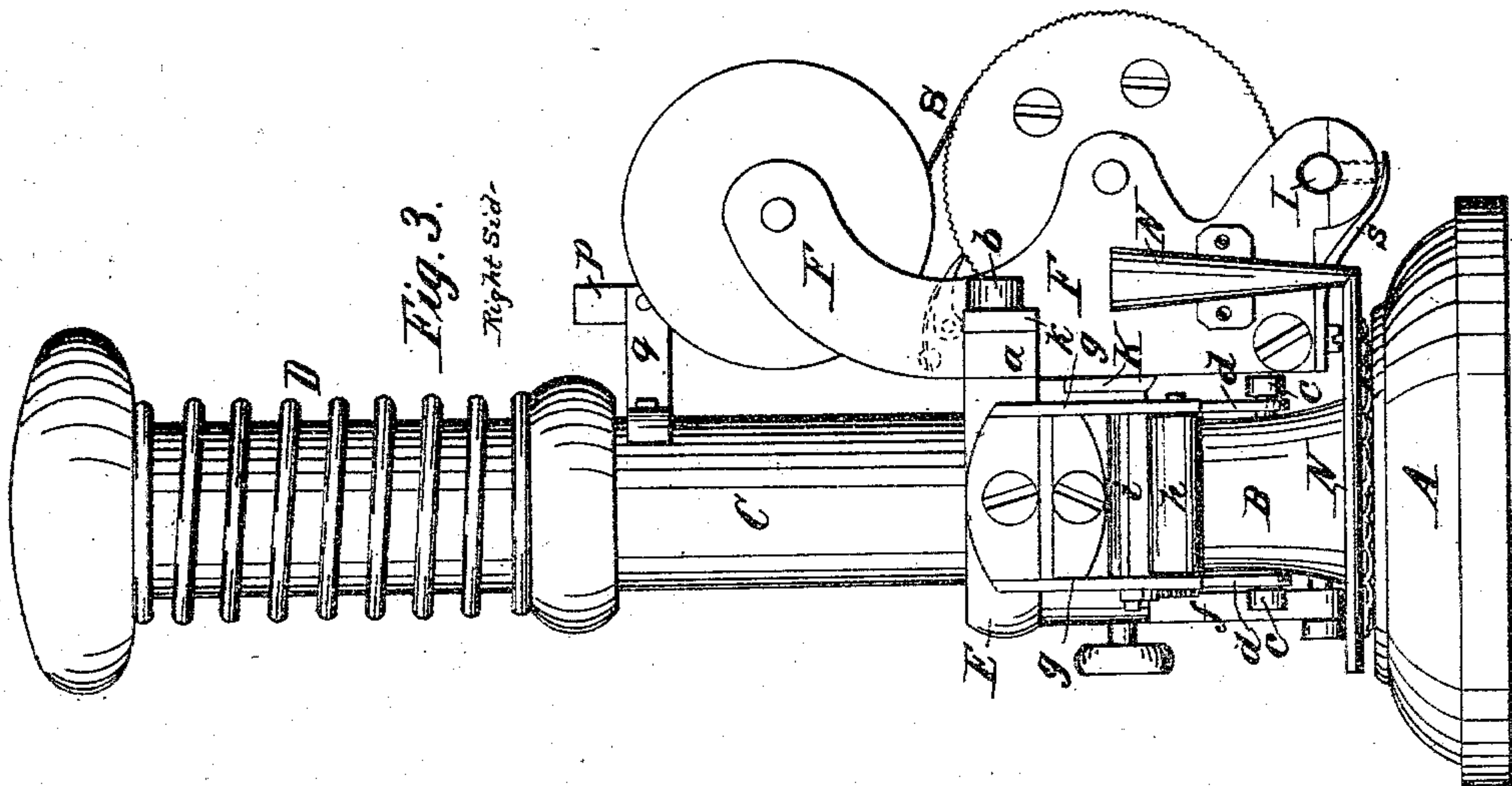
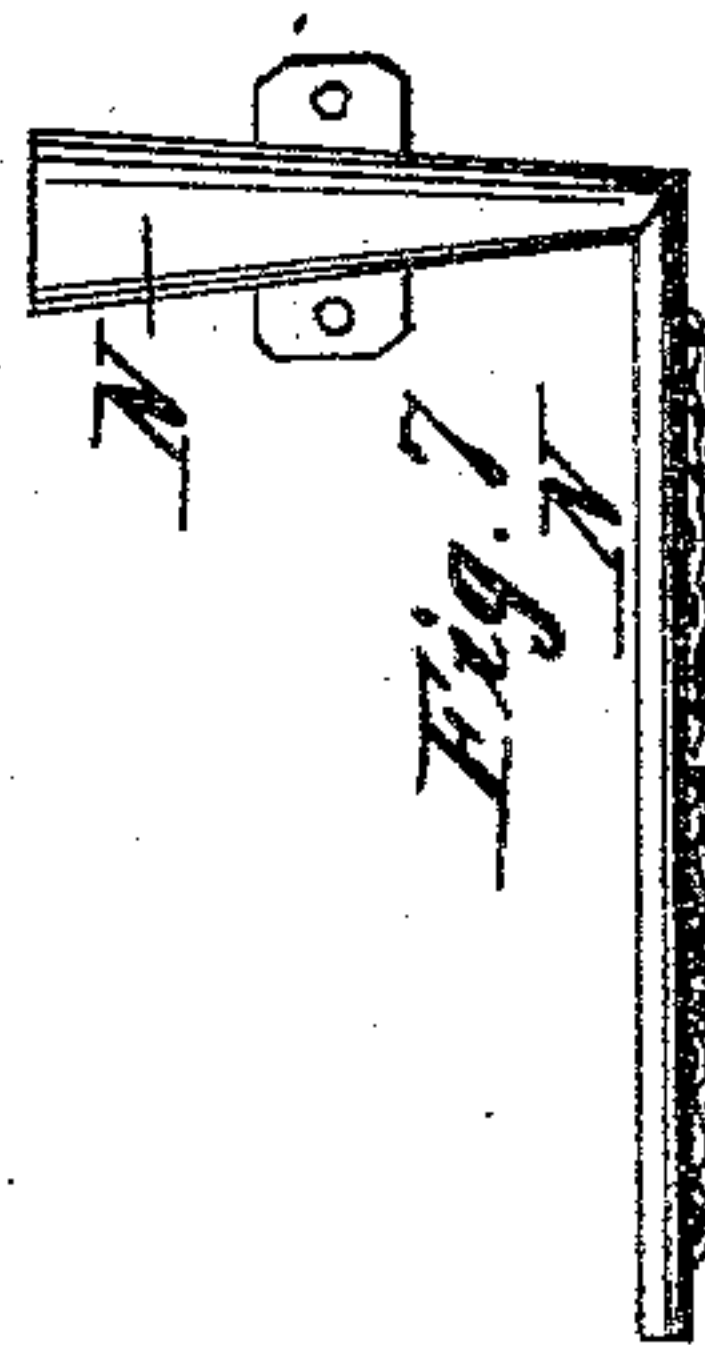
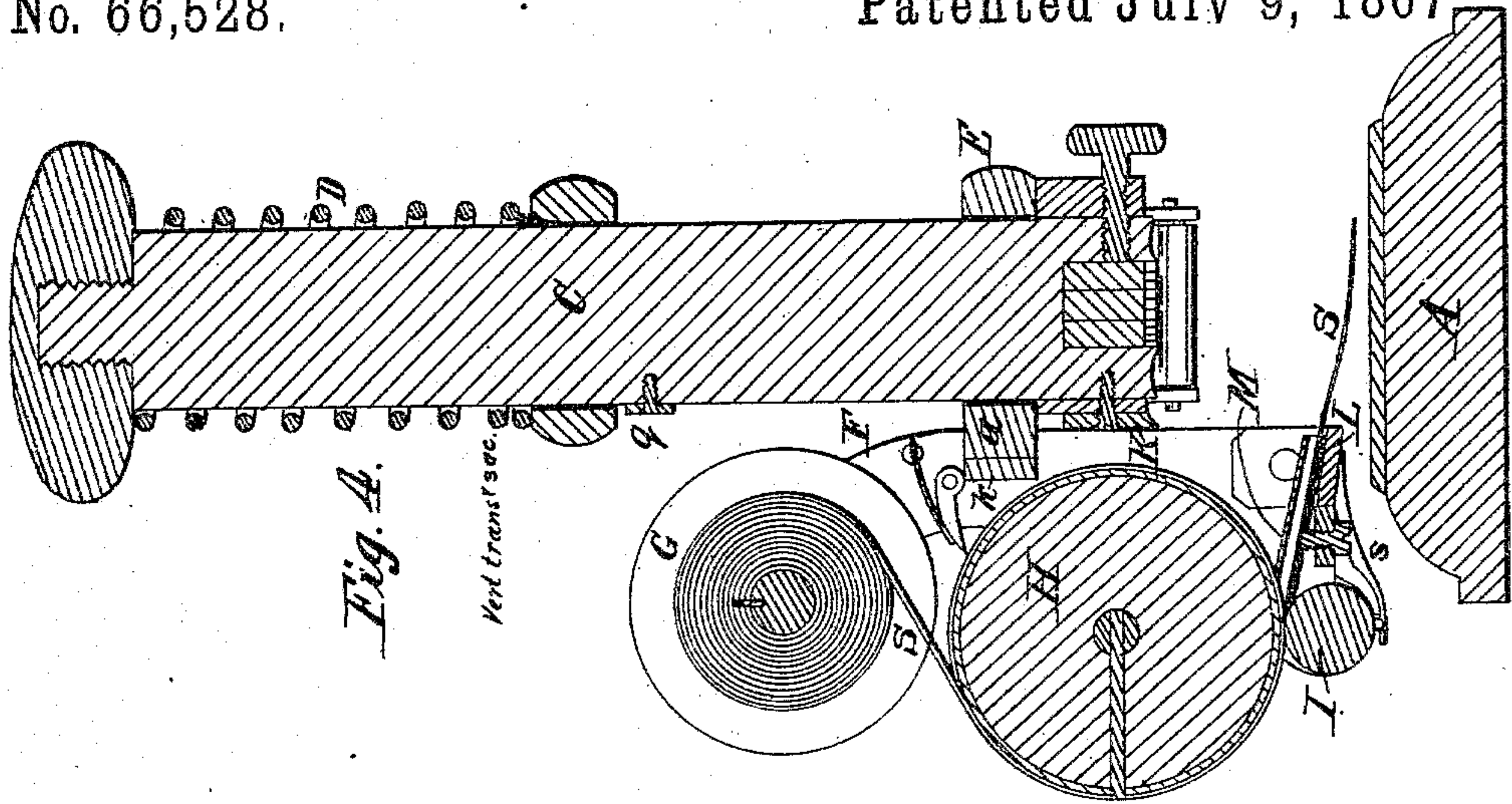
Witnesses:
Brooklyn
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Inventor:
Thomas A. Slack per his
Attorney, G. B. Bowles

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Witnesses:

J. M. Smith
H. V. Currie

Inventor:

Thomas A. Slack per his
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United States Patent Office.

THOMAS A. SLACK, OF PEORIA, ILLINOIS.

Letters Patent No. 66,528, dated July 9, 1867.

STAMP-AFFIXER AND CANCELLER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, THOMAS A. SLACK, of the city of Peoria, in the county of Peoria, and State of Illinois, have invented a new and useful Machine for Affixing and Cancelling Adhesive Stamps; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a front view of the machine.

Figure 2 is a view of the left side.

Figure 3 is a view of the right side.

Figure 4 is a vertical section as indicated by the line *xy* in fig. 1.

Figure 5 is a view in detail of the ratchet-wheel, catch-crank, and lever-shaft.

Figure 6 is a view in detail of the arrangement for detaching the stamp-feeder from the stamp-canceller; and

Figure 7 view of moistening-tube.

Like letters in the different figures of the drawings represent like parts of the machine.

My invention consists, first, of an arrangement for placing and affixing adhesive stamps to checks, drafts, receipts, or other papers, by means of a reel for containing and supplying the stamps; rollers for placing them, a sponge supplied with water by a reservoir for wetting them, and a knife for cutting them apart; second, of an improved self-adjusting ink-ribbon stamp-canceller attached to and to be used in combination with the stamp-affixer, so that by a single blow or pressure of the hand the stamp is placed, affixed, cut, and cancelled; third, of an arrangement for detaching the stamp-feeder and affixer from the stamp-canceller, so that it may be used for purpose of stamping or cancelling only independently of the stamp-affixer.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct a stamping machine with a base, A, standard, B, stamping-shaft, C, with spiral spring, D, similar in these parts to those now in use. On the side of the lower eye E, through which the shaft works, I construct flanges *aa* with holes for receiving the screws *bb*, by means of which the stamp-affixer is fastened to the stamp-canceller. At the bottom of the standard B I attach by pivots or screws *cc* a movable frame or arms, *dd*, with a roller, *e*, one end of which roller projects to receive the spring *f*, which is also attached to the standard B by a screw. The frame or arms *gg* with roller *h* attached to the eye E, and the roller *i* attached to the lower end of shaft C, on the opposite side from roller *e* and spring *f*, are for the purpose of holding and operating the ink-ribbon in combination with roller *e* and spring *f*. *FF* are the frames or sides of the stamp-affixer, with a cross-bar, K, and suitable flanges for attaching to the stamp-canceller, and with suitable boxes or bearings for the journals of the reel and rollers. *G* is a reel of suitable size for containing the slips of stamps. *I* is a tension-nut and spiral spring on the end of the reel-shaft for regulating the reel. *H* is a drum or roller with a ratchet-wheel, *m*, having teeth at the required distances apart, so that every time the shaft C is pressed down and springs up the drum and friction-roller will move one stamp forward to the proper place for affixing and cancelling. If the stamps are one inch in length, and the drum is one and one-half inch in diameter, and the ratchet-wheel three-fourths of one inch in diameter, the teeth or notches in the ratchet-wheel should be one-half of one inch apart. A pawl or catch, *n*, is attached to a crank or wheel, *o*, which is connected by a hinge or loose joint and pin to the lever *p*; the lever *p* being constructed with slot at the upper end is attached to the arm *q*, constructed with an elbow and slot and spring-catch. The arm is securely fastened by a screw to and across the shaft C below the upper eye through which the shaft works, (see detailed views in figs. 5 and 6.) *I* is an adjustable friction-roller, the bearings of which rest upon the springs *ss*, figs. 3 and 4. *K* is a knife, attached to the lower end of the shaft C for cutting the stamps apart, in combination with the steel plate L, which is so arranged and attached at the bottom of the frames *FF* as that the face of the knife works against the front edge of the plate, which assists the knife in cutting the stamps. *M* is a conductor or guide, attached to a slat or bar below the drum and in front of the friction-roller for the purpose of guiding the stamps as they pass between the drum and friction-roller. *N* is a tube, with an elbow to be properly attached to frame *F*, the upper end of which tube being large enough to contain a supply of water, the lower end arranged horizontally over the base of stamp is provided with a sponge in a slot of the tube, which sponge is kept saturated with

water from the upright end of the tube for the purpose of wetting the place on the check or other paper where the stamp is to be affixed.

Operation.

* The stamps being prepared in slips of one stamp in width, are coiled around the reel G. One end of the slip is passed over the drum H and introduced between it and the friction-roller I. The lever *p* being attached to the arm *q*, the shaft C is pressed down and allowed to spring back twice, which operations carry one stamp forward to the proper place to be affixed and cancelled as represented by letter S in fig. 4. Then a single blow or pressure of the hand upon the top of the stamping-shaft C brings the knife and stamping-die upon the stamp, cutting it from the slip, affixing and cancelling it at the same time; the check or other paper being properly moistened where the stamp is to be affixed by being brought in contact with the sponge as it is placed in position for stamping. The upward motion of the shaft C, by the force of the spiral spring D, moves the drum, by means of the pawl *n* which catches in the teeth of ratchet-wheel *m*, and carries another stamp to the proper place for being affixed and cancelled, so that when the first stamp is in proper position, each downward motion of the shaft C cuts, affixes, and cancels a stamp, and each upward motion carries another stamp to the proper place for stamping. The ink-ribbon adjusted upon the rollers *e* and *h* under the stamping-die is kept in proper position, and adjusts itself to the die by means of the movable frame or arms *d d* and the spring *f*, in combination with the smaller roller *i*.

The machine being so constructed as to allow the requisite space between the upper part of the feeder and the stamp-canceller, when it is desired to use the machine for stamping or cancelling only, independently of the feeder, the lever *p* is readily detached by means of the spring-catch (see fig. 6) from the arm *q*, and thrown back as represented by the red lines in fig. 2.

Claims.

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

1. The combination of an adhesive stamp-feeder and affixer with a stamp-canceller, substantially in the manner and for the purposes as herein set forth.
- * 2. The movable frame or arms *d d*, rollers *e h* and *i*, and spring *f*, as arranged and operated, in combination with the ink-ribbon stamp, substantially for the purposes and in the manner as herein set forth.
3. The arrangement of the arm *q*, in combination with lever-shaft *p*, for attaching and detaching the stamp-feeder to and from the stamp-canceller, substantially in the manner and for the purposes as herein set forth.
4. The stamp-feeding machine as described, in combination with the stamp-canceller, substantially in the manner and for the purposes as herein described.

THOMAS A. SLACK.

* Witnesses:

J. A. CHALMERS,
BENJ'N COWELL.