

(No Model.)

H. J. MOORE.

ENVELOPE SEALER AND STAMPER.

No. 377,170.

Patented Jan. 31, 1888.

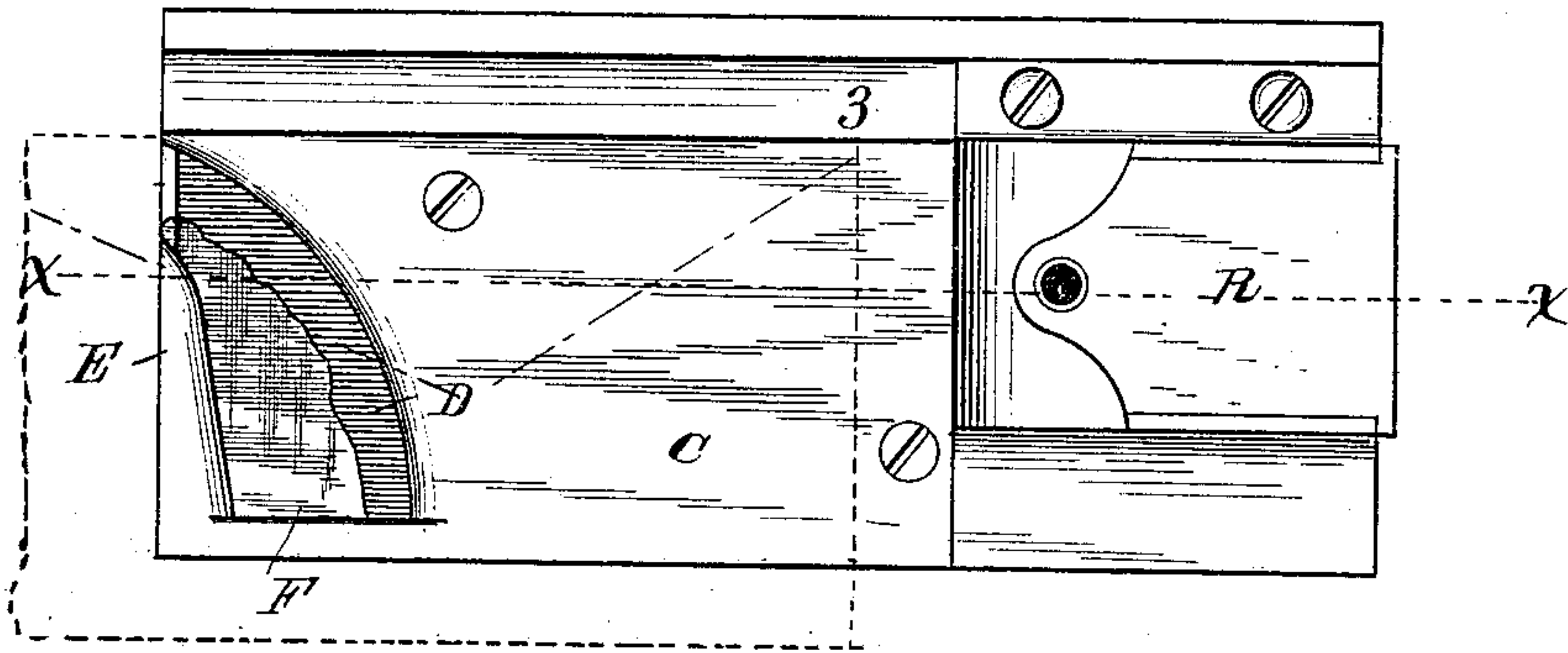


Fig. 1.

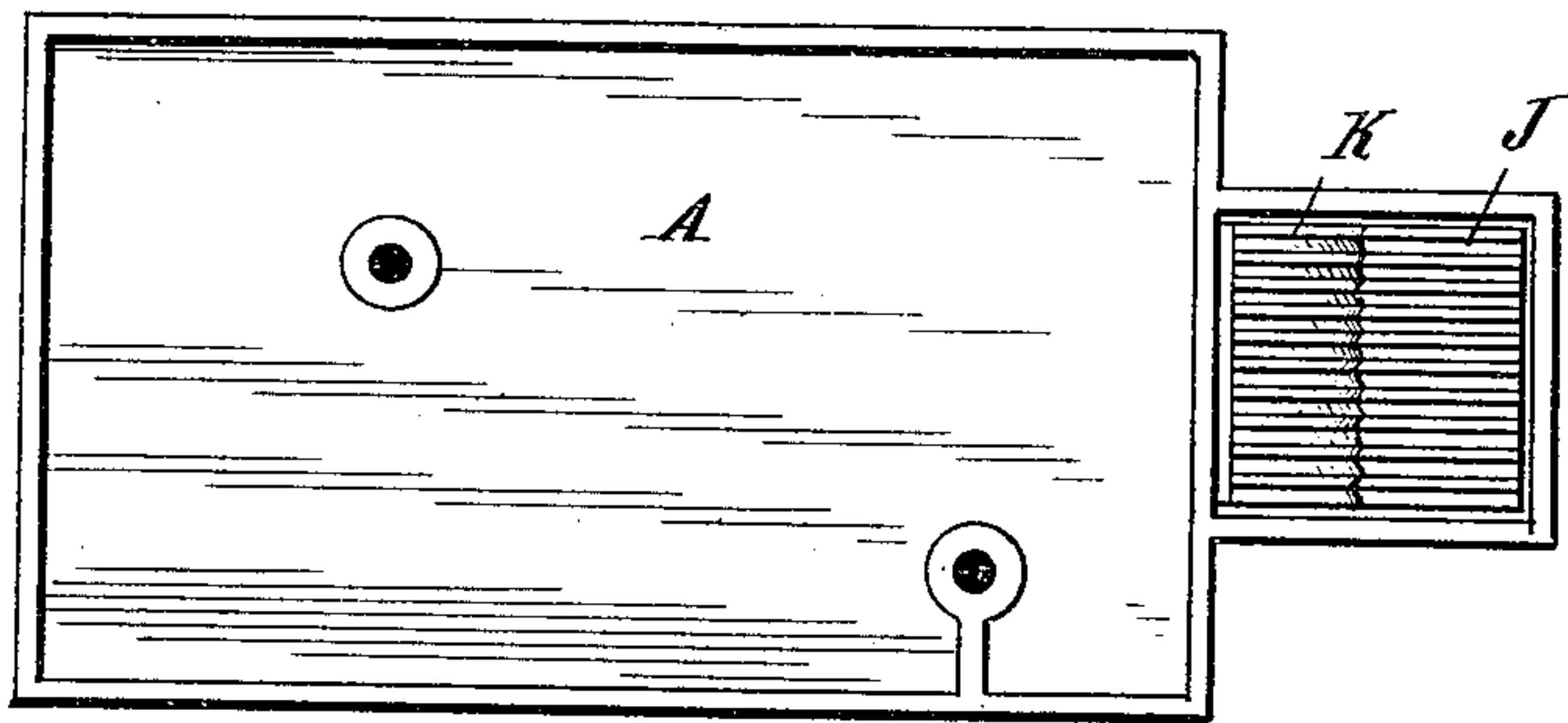


Fig. 2.

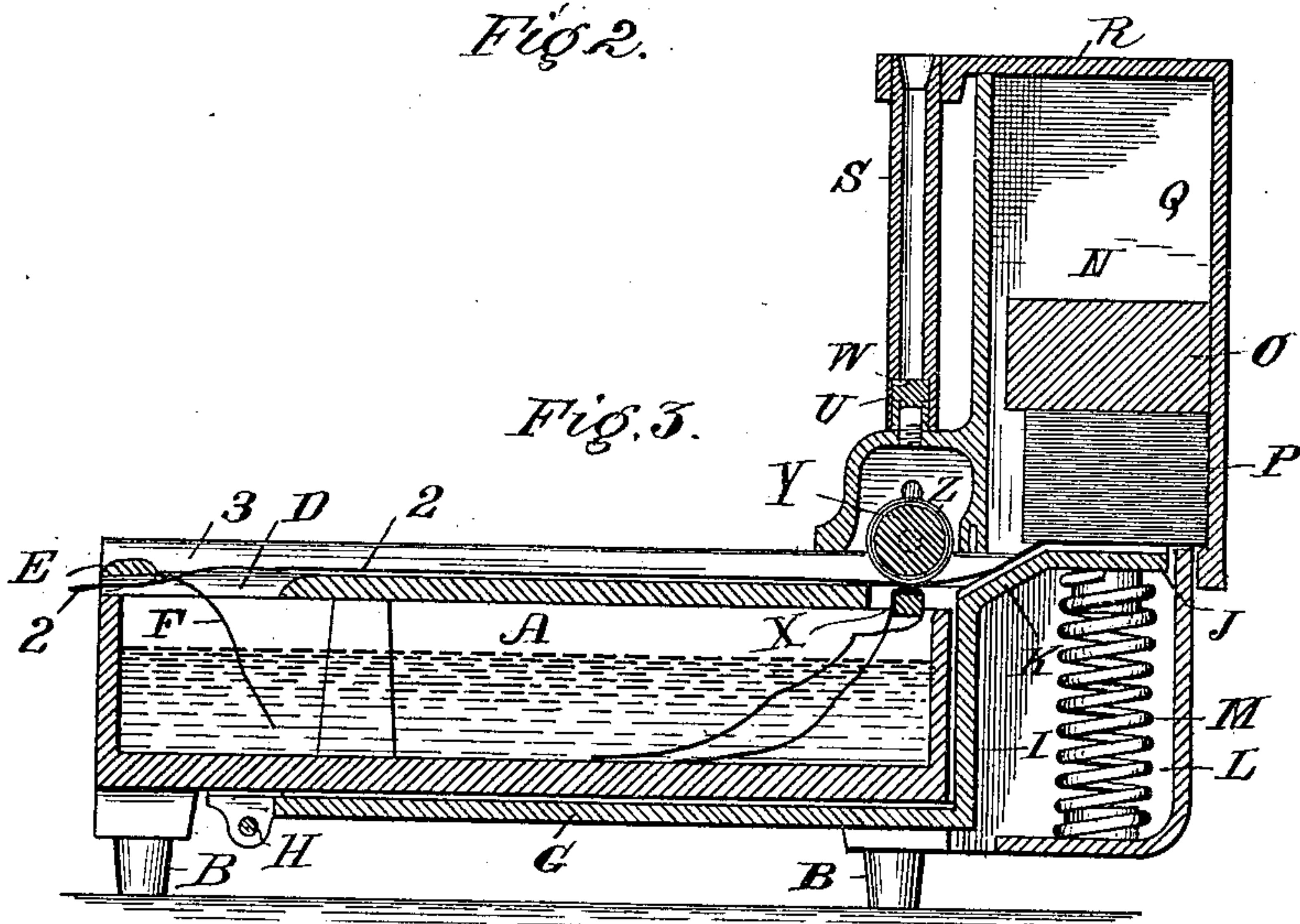


Fig. 3.

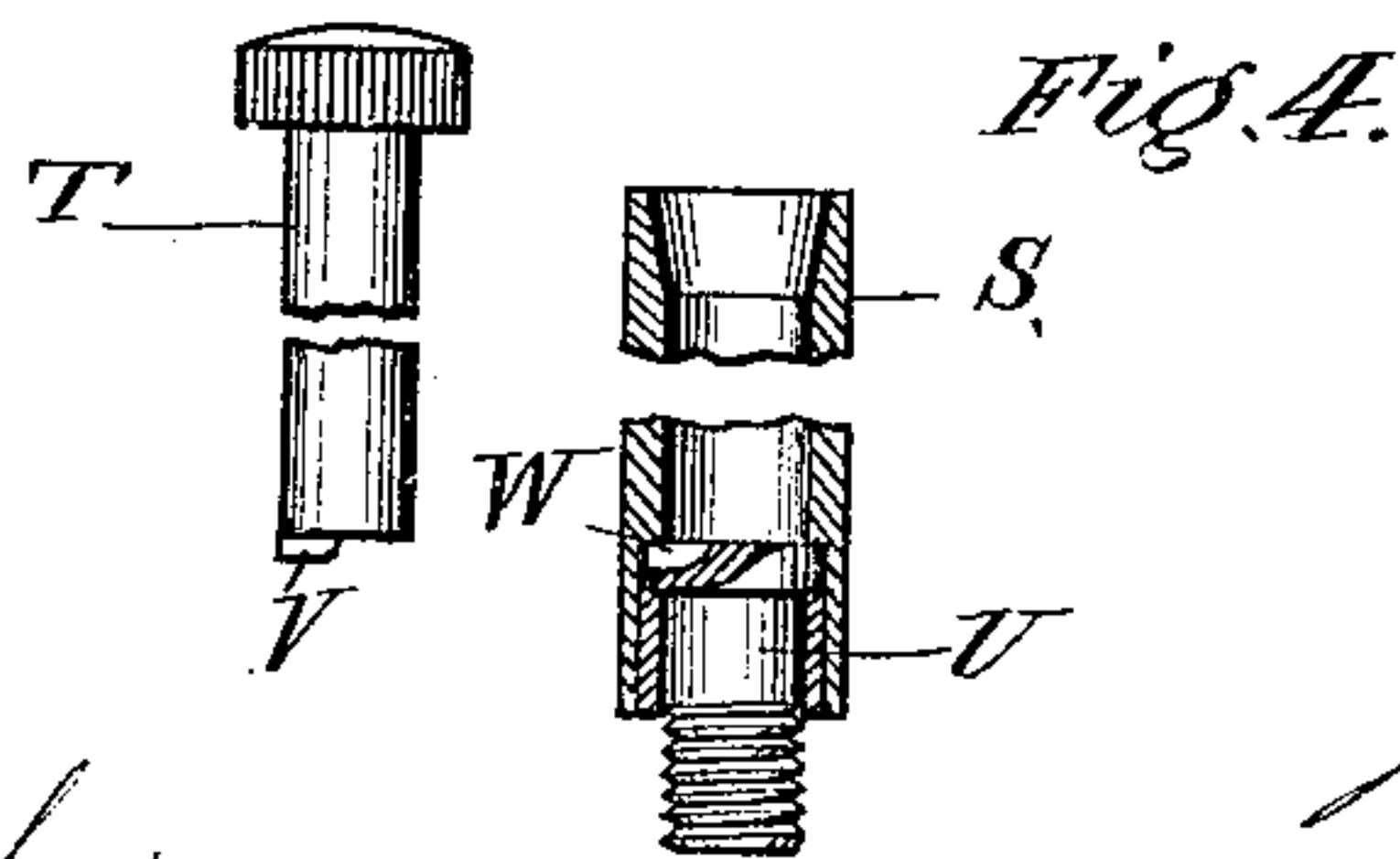


Fig. 4.

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UNITED STATES PATENT OFFICE.

HOMER J. MOORE, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE BRYANT & STRATTON MECHANICAL APPLIANCE COMPANY, OF SAME PLACE.

ENVELOPE SEALER AND STAMPER.

SPECIFICATION forming part of Letters Patent No. 377,170, dated January 31, 1888.

Application filed January 28, 1887. Serial No. 225,774. (No model.)

To all whom it may concern:

Be it known that I, HOMER J. MOORE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Envelope Sealer and Stamper, of which the following is a specification.

My invention relates to machines for sealing the flaps of mail-envelopes and affixing the postage-stamps thereto; and its object is to provide a machine whereby the two results can be accomplished, separately or together, by a single continuing motion. This object I accomplish by the mechanism illustrated in the accompanying drawings, wherein—

Figure 1 is a plan view of the machine. Fig. 2 is a plan view of the base with the top removed. Fig. 3 is a section through line X X on Fig. 1. Fig. 4 is a detail of the locking mechanism.

Like parts are indicated by the same letter in all the figures.

A is the base, in the form of a rectangular water-box, with feet B B. On it rests the cover C, provided with aperture D, slightly-elevated arm E, and moistening-pad F.

G is a lever-arm, pivoted to the bottom of the box at H and upwardly curved at I, and terminating in the corrugated stamp-presser J, with the inclined surface K.

At the end of the box A is the receptacle L, in which the presser stands, and also a spiral spring, M, which yieldingly supports the presser. On one end of the cover C is an elevated chute, N, which rests above the receptacle L. In this chute is a sliding weight, O, which is seen resting on a package of stamps, P. The chute is provided with a cover consisting of the side Q, top R, pipe S, and locking-rod T and screw U. The rod has a pin, V, and the screw has a hole, W, to receive the same.

X is a pad on the edge of the chute, Y a roller journaled thereon, and Z a moistening-pad around the roller.

2 is an envelope in the process of being stamped and sealed.

3 is a guide along the top of the box-cover for the envelope.

The use and operation of my invention are as follows: The machine is set up as shown in Figs. 1 and 3. The chute is filled with a column of stamps, with the gummed sides down, and on the column rests the weight which keeps the stamps down on the corrugated presser. The moistening-pad X rests or floats in the water which the box A contains, and the roller Y, resting on such pad, absorbs enough water to keep its pad Z moistened also. The chute-cover is placed in position, and the rod is turned about so as to drive the screw in, and thus lock the chute, so as to prevent access to the stamps. The pad F floats or trails in the water, and thus keeps well moistened. Now, if it is desired to seal and stamp an envelope, the flap is introduced under the arm E, so that the gummed portion passes along the pad F and is moistened. The envelope is carried toward the chute along the guide and under the finger, which seals the moistened flap. The upper right-hand corner of the envelope now passes under the moistened roller and up the inclined surface of the corrugated presser, where it receives the lower stamp in the column, the same being attached to the moistened corner of the envelope. The envelope is then thrown aside to dry. When the stamps are exhausted in the chute, the locking-rod is turned about, its pin engaging the hole on the lock-screw, and thus the latter is unscrewed and the chute-cover released. The chute can then again be filled with stamps and the cover restored to its position.

The surface of the presser-bar J is corrugated, in order that the envelope may slide up on the same with less danger of sticking thereto. This presser is supported by an elastic spring, so as to keep the stamps well up in the chute until the envelope enters the same, when it is slightly depressed, so as to hold the presser, and thus the envelope, elastically upward against the gummed side of the stamp. The point V on the end of the rod T is adapted to enter the hole or aperture W in the top of the

screw U, and thus by turning the rod T by the thumb-piece on its end the bolt U may be screwed in or out of the portion of the case above the roll. As this bolt U turns, it carries the sleeve S with it, and thus raises and loosens the cover of the chute.

I claim—

In a machine for stamping envelopes, a stamp-containing chute, in combination with

an elastic presser on which there is a corrugated surface inclined at one side, and which forms the bottom of the chute.

January 8, 1887.

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