S. R. DUMMER.

SEALING PRESS.

No. 187,524. Patented Feb. 20, 1877.

Fig 1

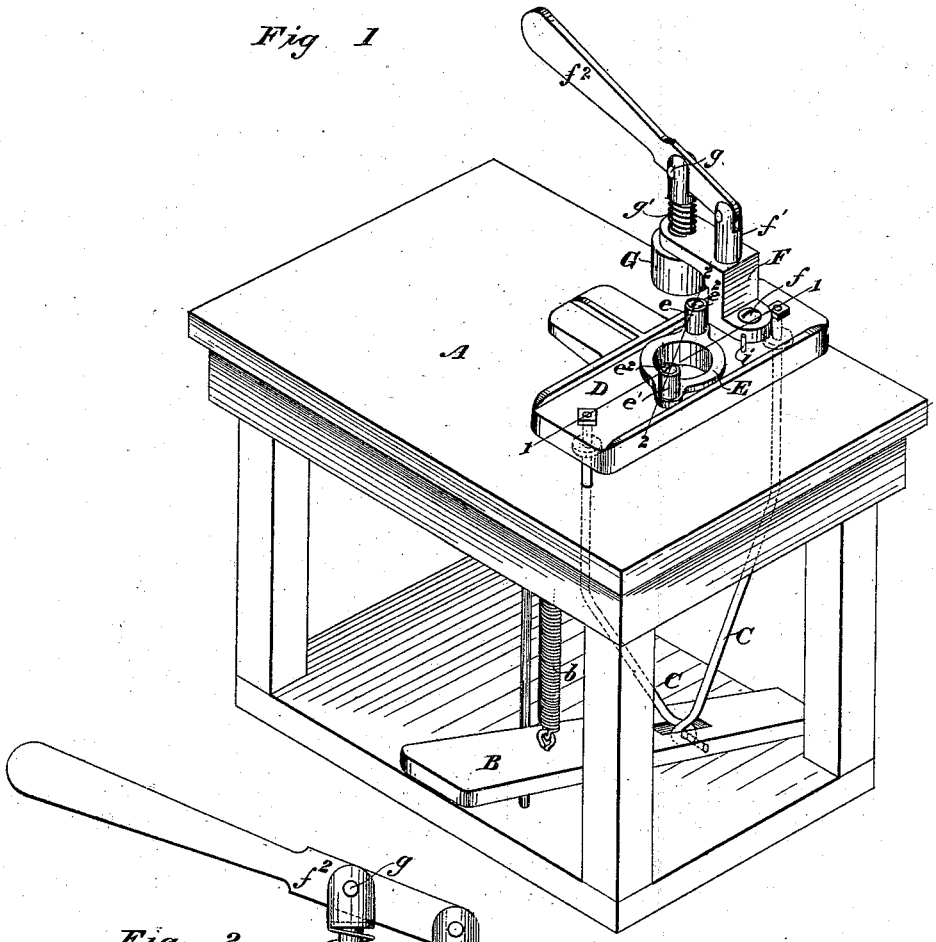


Fig 2.

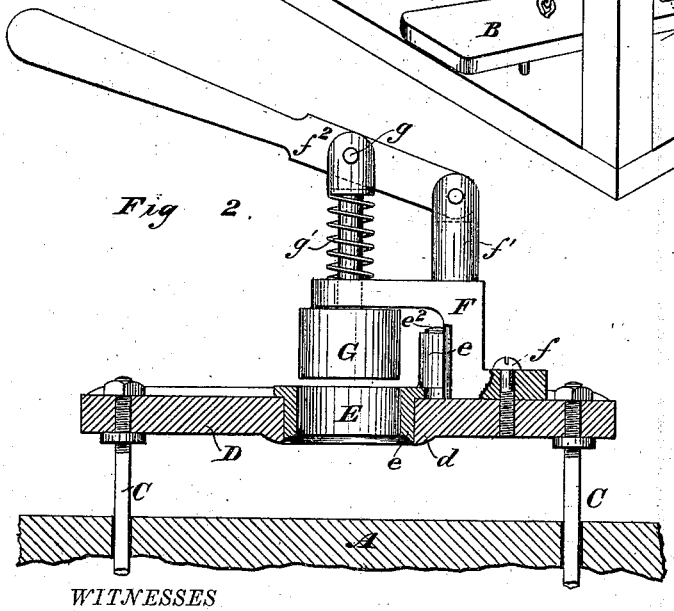
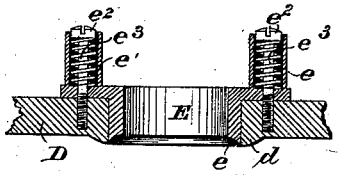


Fig 3.



WITNESSES

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UNITED STATES PATENT OFFICE

SAMUEL R. DUMMER, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN SEALING-PRESSES.

Specification forming part of Letters Patent No. **187,524**, dated February 20, 1877; application filed January 26, 1877.

To all whom it may concern:

Be it known that I, SAMUEL R. DUMMER, of Jersey City, in the State of New Jersey, have invented certain new and useful Improvements in Sealing Presses or Stamps, of which the following is a specification, that, by reference to the accompanying drawings, will enable those skilled in the art to which my improvements relate to make and use the same.

The object of my invention is to readily stamp seals upon articles of varying thickness, and to accommodate variations in the amount of sealing-wax or other substances that may be employed in sealing and stamping.

My improvements are hereinafter specifically set forth and claimed.

In the drawings, Figure 1 is an elevation, in perspective, of my improved stamping-machine. Fig. 2 is a section through the line 1 1 of Fig. 1, and Fig. 3 is another section through the line 2 2 of Fig. 1.

A is a main frame or table, on which the article to be stamped or sealed is to be placed. B is a treadle, hinged or pivoted to the base of the back portion of the frame, and connected to the under side of the table, or to any convenient upper part of the frame, by a coil-spring, *b*, which spring tends to keep the treadle elevated. C C are rods secured at their lower ends to the treadle, and passing up through apertures in the table. These rods support adjustably above the surface of the table, by means of nuts on their upper threaded ends, a stamping-plate, D. This stamping-plate may be of any convenient form, and may be ribbed on its upper surface, as shown in the drawings, Fig. 1, for the purpose of strengthening it. It has an aperture in its center, surrounded at its lower part by the beveled projection *d*. In this aperture is set a closely-fitting yielding bushing, E. This bushing is, preferably, beveled on its lower side, as shown at *e*. It is provided with a flange, which rests on the upper surface of the plate D, and prevents it from dropping through the aperture in the plate. It is also provided with barrels e^1 e^1, projecting from lugs on its flange, and is held adjustably in place by screws e^2, entering the stamping-plate through the barrels and lugs, and surrounded within the barrels by coil-springs e^3 e^3. F is a swinging bracket, pivoted to the stamp-plate at *f*. Projecting from the top of this bracket is a standard, f^1, to which is pivoted the hand-lever f^2. The plunger-shaft of the plunger G, pivoted at *g* to the hand-lever, passes through the upper projection of the bracket, and is surrounded by a coil-spring, g', which tends to keep the plunger and hand-lever elevated. *i* is a guide-pin projecting from the stamping-plate D.

The operation of my improved stamping-machine is as follows: The article to be stamped is first placed upon the table under the stamp-plate. The operator then places his foot upon the treadle, and brings the stamp-plate down upon the article, so that the beveled projection on the under side of the plate will clamp it firmly to the table. The swinging bracket carrying the hand-lever and plunger being turned aside, as shown in the drawing, Fig. 1, the sealing-wax or other material is placed within the bushing E. The bracket is then swung into position, as shown in Fig. 2, the guide-pin *i* serving to stop it at the point where the plunger G is in coincidence with the aperture surrounded by the bushing and containing the wax. Pressure is then applied on the hand-lever, and the stamping thus accomplished. Should the quantity of wax happen to be a little in excess of what is required, the bushing will yield upward sufficiently to give it room without an overflow. By these means the necessity of accurate measurement of the quantity of sealing material to be applied is avoided, and stamping can be accomplished neatly and rapidly.

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

1. The combination of the table A, the spring-treadle B, the threaded rods C C, and the stamp-plate D, whereby articles of varying thickness may be adjusted and clamped for stamping, substantially as specified.

2. The adjustable stamp-plate D, provided with a beveled projection, *d*, substantially as described.

3. The combination of the adjustable stamp-plate, provided with its beveled projection, and the yielding bushing E, substantially as described.

4. The combination of the adjustable stamp-

plate, provided with its beveled projection, and the yielding bushing, beveled on its lower side, and having the spring-barrels e^1 e^1, substantially as described.

5. The combination of the swinging bracket, carrying the hand-lever and plunger, the adjustable stamp-plate, the guide-pin, and the bushing, substantially as described.

6. The combination of the swinging bracket, carrying the hand-lever and plunger, the adjustable stamp-plate, the guide-pin, the yielding bushing, the spring-treadle, the threaded rods, and the table, substantially as described.

In testimony whereof I have hereunto subscribed my name.

SAML. R. DUMMER.

Witnesses:

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