

(No Model.)

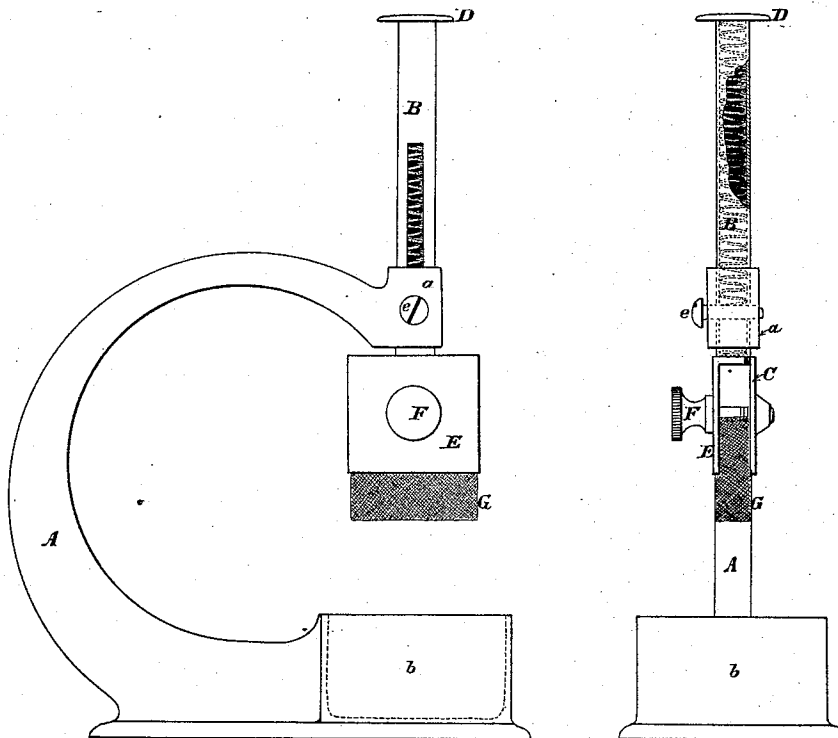
W. R. COLE.
STAMP AND ENVELOPE GUM MOISTENER.

No. 477,887.

Patented June 28, 1892.

Fig. 1

Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM R. COLE, OF POTTSVILLE, PENNSYLVANIA.

STAMP AND ENVELOPE GUM MOISTENER.

SPECIFICATION forming part of Letters Patent No. 477,887, dated June 28, 1892.

Application filed October 28, 1891. Serial No. 410,120. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. COLE, of Pottsville, in the county of Schuylkill and State of Pennsylvania, have invented certain

Improvements in Machines for Moistening the Gum or Mucilage on Stamps, Envelopes, or other Gummed Paper, of which the following is a full, clear, and exact description. My invention consists of certain improvements in the moistening-pad and the machinery for its more convenient adjustment, in connection with a stationary cup, whereby a strip of porous material—such as felt or cloth—may be readily secured and suspended over the moistening fluid, into which it may be directly immersed, as will be more readily described hereinafter.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal elevation of my improved stamp and envelope gum-moistener, showing the same as it will appear from a side view ready for operation. Fig. 2 is a longitudinal elevation of the same, showing a front view.

A is a supporting-stand having its base extended outward and terminating in a cup *b* and its upper part provided with an arm *a*, which is perforated longitudinally, so as to form a collar for the plunger to pass easily up or down it, as required.

B is a hollow cylindrical plunger having its head provided with a cap or hand piece D, and also provided with a narrow longitudinal slot on one side, and terminating at the bottom in a flat plate E, projected slightly beyond, but on a line with the cylindrical part of the plunger. A screw-eye is pierced in the center of this plate.

C represents a movable plate exactly the size of the stationary plate E, and also pierced with a screw-eye similar to that in the stationary plate.

F is a screw, which acting upon the screw-eyes of the plates draws them together, clasp- ing and holding securely the pad of felt or

other porous material G. The stationary plate E is made detachable from the cylinder of the plunger by means of screw-threads, so as to admit of a spiral spring being placed inside the cylinder. The projecting arm of the stand is further pierced with a horizontal screw-eye for the reception of the screw *e*. When the plate is detached from the plunger and the spiral spring is placed in the cylinder, the cylinder is passed by its lower part through the collar-opening. The screw *e* is inserted in the eye and is of sufficient length to pass through it into the collar, forming a resistant to the spring, which is made to rest upon it. The plate is then screwed on and the end of the screw, working freely in the perpendicular slot of the plunger, forms a guide for it and admits of the plunger being depressed by pressure on its head, and when the pressure is released rises again to its former position by the expansion of the spring. By thus depressing the plunger the moistening-pad is plunged into the water and thoroughly saturated, and the pressure being released it is raised to a position above the cup ready for use. The gummed paper is then gently passed over the under projecting surface of the moistening-pad, and receives sufficient moisture from the pad to soften the gum and prepare it for immediate use.

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

As an improved article of manufacture, a stamp and envelope gum moistener having a receptacle for moistening pads, adapted to be screwed into the lower end of a spring-plunger and consisting of the shaft and plate E and the movable plate C, secured to each other by the screw F, in combination with the strip of felt or cloth G, attached to a plunger suspended by an arm of a stand over a stationary water-cup, substantially as herein shown and described, and for the purposes set forth.

WILLIAM R. COLE.

Witnesses:

J. H. FISTER,
FRANK LITTLE.