

(No Model.)

W. B. PURVIS.

2 Sheets—Sheet 1.

HAND STAMP.

No. 273,149.

Patented Feb. 27, 1883.

Fig. 1

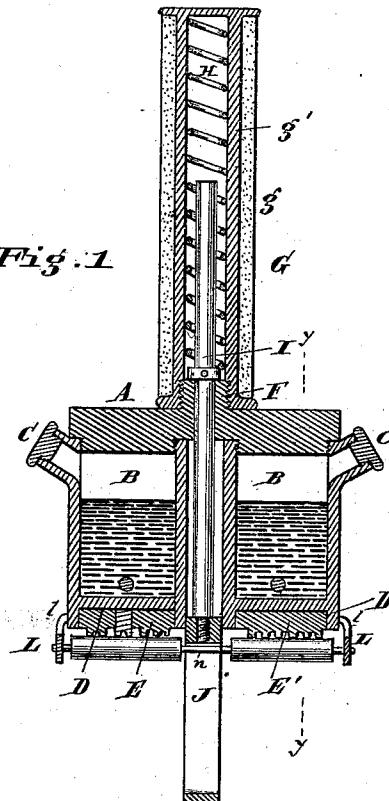


Fig. 2

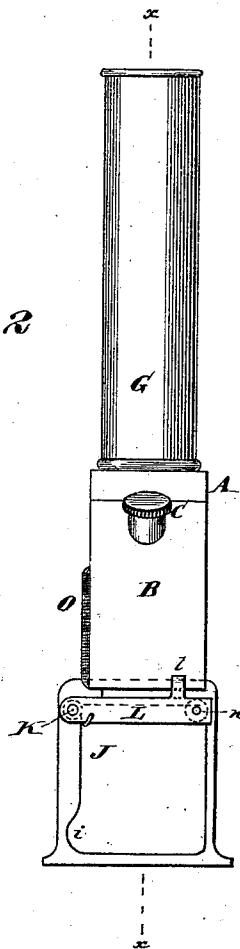
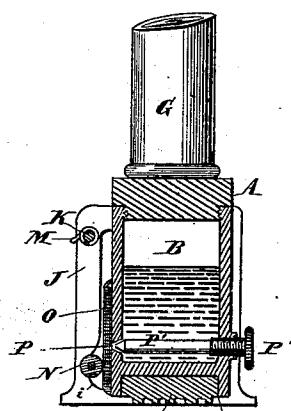


Fig. 3



Attest,

Frank H. Blawie
"James F. Donahue-

Inventor

William B. Purvis
By his Atty:

W. B. Purvis

(No Model.)

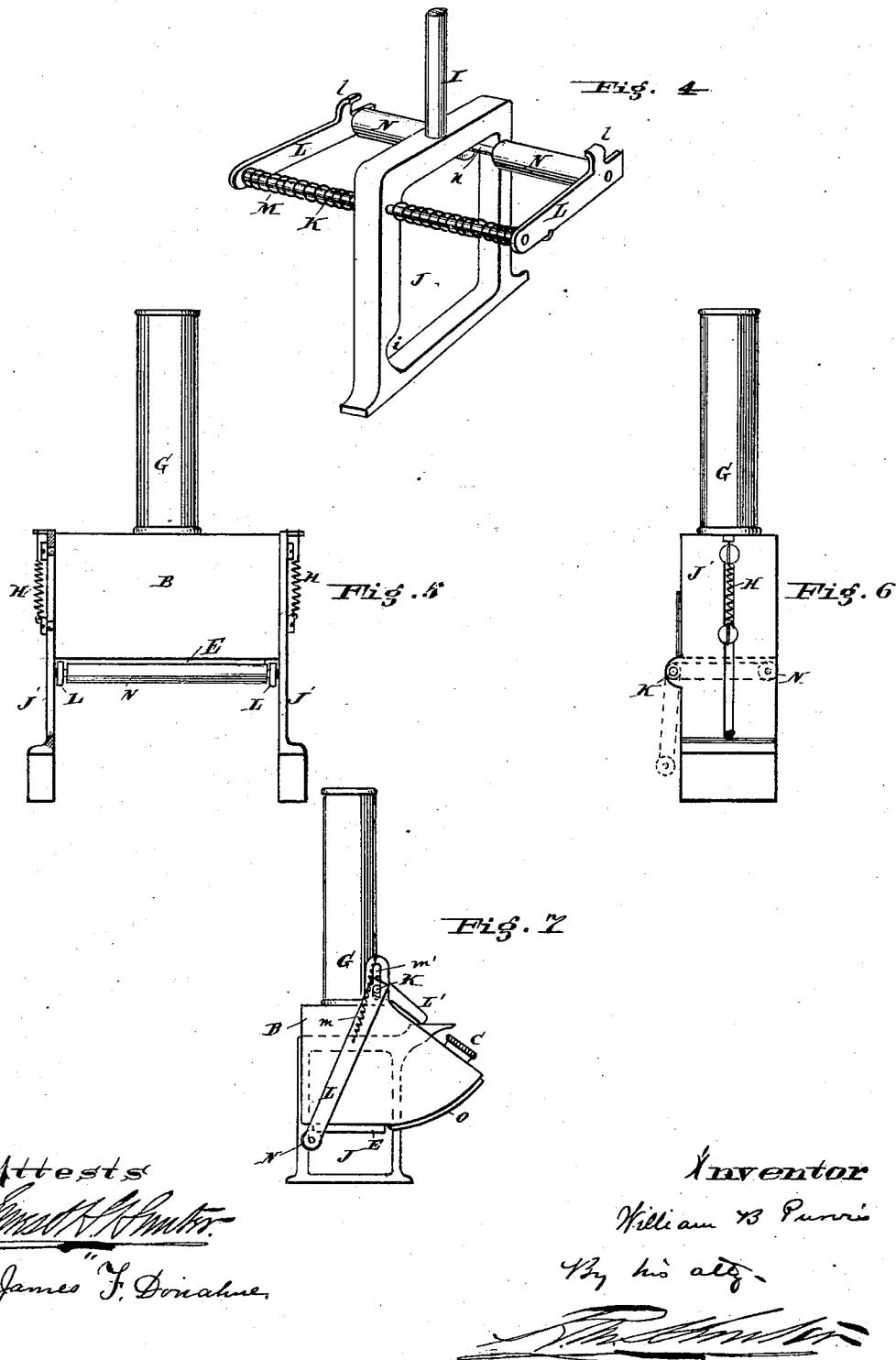
2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

WILLIAM B. PURVIS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF TO LOUIS E. PFEIFFER, OF SAME PLACE.

HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 273,149, dated February 27, 1883.

Application filed March 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. PURVIS, of the city and county of Philadelphia, and State of Pennsylvania, have invented an Improvement in Hand-Stamps, of which the following is a specification.

My invention has reference to hand-stamps in general, but more particularly to that class of stamps which are self-inking; and it consists in combining the type-holder with inking devices, as fully set forth in the following specification, and shown in the accompanying drawings, which form part thereof.

The object of this invention is to construct a perfect self-inking printing-stamp for general purposes, but more specifically for postage-stamp cancellation and dating the envelopes simultaneously.

In the drawings, Figure 1 is a sectional elevation of my improved stamp-canceler on line *x x* of Fig. 2. Fig. 2 is a side elevation of same. Fig. 3 is a sectional elevation of same on line *y y*, Fig. 1, and in the act of printing. Fig. 4 is a perspective view of the inking mechanism. Fig. 5 is a front elevation of a modified form of stamp adapted to commercial purposes. Fig. 6 is a side elevation of same, and Fig. 7 is also a modification of my invention.

A is a cross bar or plate to which the ink-reservoirs *B B* are secured.

In a stamp-canceler there are preferably two separate reservoirs, as shown in Fig. 1, said reservoirs being secured at each end of said plate *A*. The ink is admitted through orifices closed by caps *C*. Secured to the bottoms of these reservoirs are the printing-type *E* and blotting-pad *E'*, one of which is adapted to record the date of cancellation and the location of the post-office and the other to blot or cancel the stamp. Located between said reservoirs *B*, and upon which they are arranged to reciprocate vertically, is an open frame, *J*, carrying at one side, and near the top, a rod, *K*, carrying on its ends the hinged arms *L*, to the other end of which is loosely journaled the inking roller or rollers *N*, the arms *L* being guided laterally by the outer faces of the reservoirs *B*, through the agency of the lugs or projections *L*. This frame *J* is secured at the top to a rod, *I*, which passes up through a hole in the plate *A*.

and is inclosed in a handle, *G*, which consists of a central tube, *g'*, and an exterior rubber casing, *g*, and which handle is screwed fast to the plate *A* in the middle.

Within the tube *g'*, and encircling the rod *I*, is a spring, *H*, which is adapted to raise the type, as shown in Fig. 1.

The inking-pads *O* are secured to the fronts of the reservoirs *B*, and may be made of felt, and the supply of ink is regulated by means of screw *P'*, seating itself in the aperture *P*, back of the pad. The device being in the position shown in Figs. 1 and 2, it is pressed down upon the letter or other article. The stamp is forced down, compressing the spring *H*, and as it descends it passes before the rod *K*, thereby drawing the inking-rollers *N* across the face of the type *E E'*, the springs *M* always keeping the said rollers firmly against the type or inking-pad, as the case may be. As the device is further pressed down the inking-rollers *N* leave the type and run upon the ink-pad *O*, as shown in Fig. 3, and the inked type print upon the envelope. Upon removing the downward pressure from the instrument the spring *H* raises the ink-reservoirs and type. By this it is seen that a downward movement of the instrument prints the paper and inks the inking-rolls, and an upward movement inks the type, thereby making the instrument self-inking and automatic in its action. When the inking-rolls run upon the pad *O* their axle *n* is received in the recess *i* in frame *J* and is pressed toward the reservoirs *B*, so as to insure the proper inking of the rollers *N* by the pads.

For commercial purposes it will be found preferable to make only one large ink-reservoir and one type-bed, and instead of the frame working between the type it may consist of two plates, *J'*, one of which is located at each end of the reservoir, and which plates carry the rod *K*. In using this modification, upon pressing the type and ink-reservoirs down they slide between the plates *J'*, putting the springs *H* under tension in this case. The inking device is precisely the same as that already described, only the rod *K* is supported in the plates *J'* in place of the central piece, *J*. In place of putting the spring *H* in the handle *G*, there are two springs used, one to each of said plates *J'*,

as shown in Figs. 5 and 6. In other respects the commercial stamp will be found similar to the stamp-canceler previously described.

To dispense with so much movement to the reservoirs and type, I may make the inking-pad O curved, as shown in Fig. 7. In this case the arms L, which carry the inking-rollers N, are secured to a rod, K, which slides vertically in a guide, m', and the roller N and arms L are drawn upward by springs m or their equivalent. To the arms L or the rod K is secured a projection or lever, L', which rests upon a projection or extension of frame J. When the handle is pressed down the lever L' is pressed upward, swinging the arms L and drawing the inking-rollers from the type to the inking-pad, and as the type are flat the rod K first moves upward in slot m', and then swings the arms J, as radii, over the inking-pad O, thus requiring but a small movement of frame J to obtain a large movement of inking-rolls.

I am aware of the patent granted to Bailey, No. 16,712, and claim nothing therein set forth or claimed.

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

1. In a self-inking stamp, a handle provided on the bottom with an ink-reservoir and type-holder, in combination with type, automatic inking devices, substantially as described, to transfer ink from the reservoir to the type, said type being held immovably with respect to said reservoir, and a frame carried by said handle and projecting below said type, and upon which the type-holder slides, to the end that when the type-holder is pressed down upon the article to be printed it actuates said inking devices, substantially as and for the purpose specified.

2. In a printing-stamp, a handle provided on the bottom with an ink-reservoir and type made rigid with respect to each other, in combination with automatic inking devices, sub-

stantially as described, to transfer the ink from the reservoir to the type, said type being held on the bottom of said reservoir, a frame supported by said handle and projecting below said type, and upon which said type and reservoir are adapted to slide, to the end that when the type is pressed down upon the article to be printed it actuates said inking devices, and means, substantially as shown, to regulate the flow of ink, substantially as and for the purpose specified. 45

3. In a printing-stamp, a plate, A, secured to a handle in the middle, and provided on each end with independent reservoirs for ink, and type-holders, in combination with the type, ink-reservoirs, and automatic mechanism, substantially as described, to transfer ink from said reservoirs to the type, substantially as 55 and for the purpose specified.

4. In a printing-stamp, the combination of handle G, plate A, reservoirs B, type E and E', frame J, rod I, spring H, rod K, spring M, arms L, inking-rollers N, and ink-pad O, substantially as and for the purpose specified. 65

5. In a printing-stamp, the combination of reservoir B, provided on the bottom with a support for the type and on the side with an aperture, P, a pad, O, and screw P', as shown. 70

6. In a self-inking hand-stamp, the combination of hollow handle G, plate A, date-type E, blotting-type E', frame J, arranged between said types and carried by said handle, rod I, spring H, and mechanism, substantially as set 75 forth, actuated by the downward movement of said reservoirs and type to transfer ink from the reservoirs to the type, substantially as and for the purpose specified.

In testimony of which invention I hereunto 80 my hand.

WILLIAM B. PURVIS.

Witnesses:

R. M. HUNTER,
R. S. CHILD, Jr.