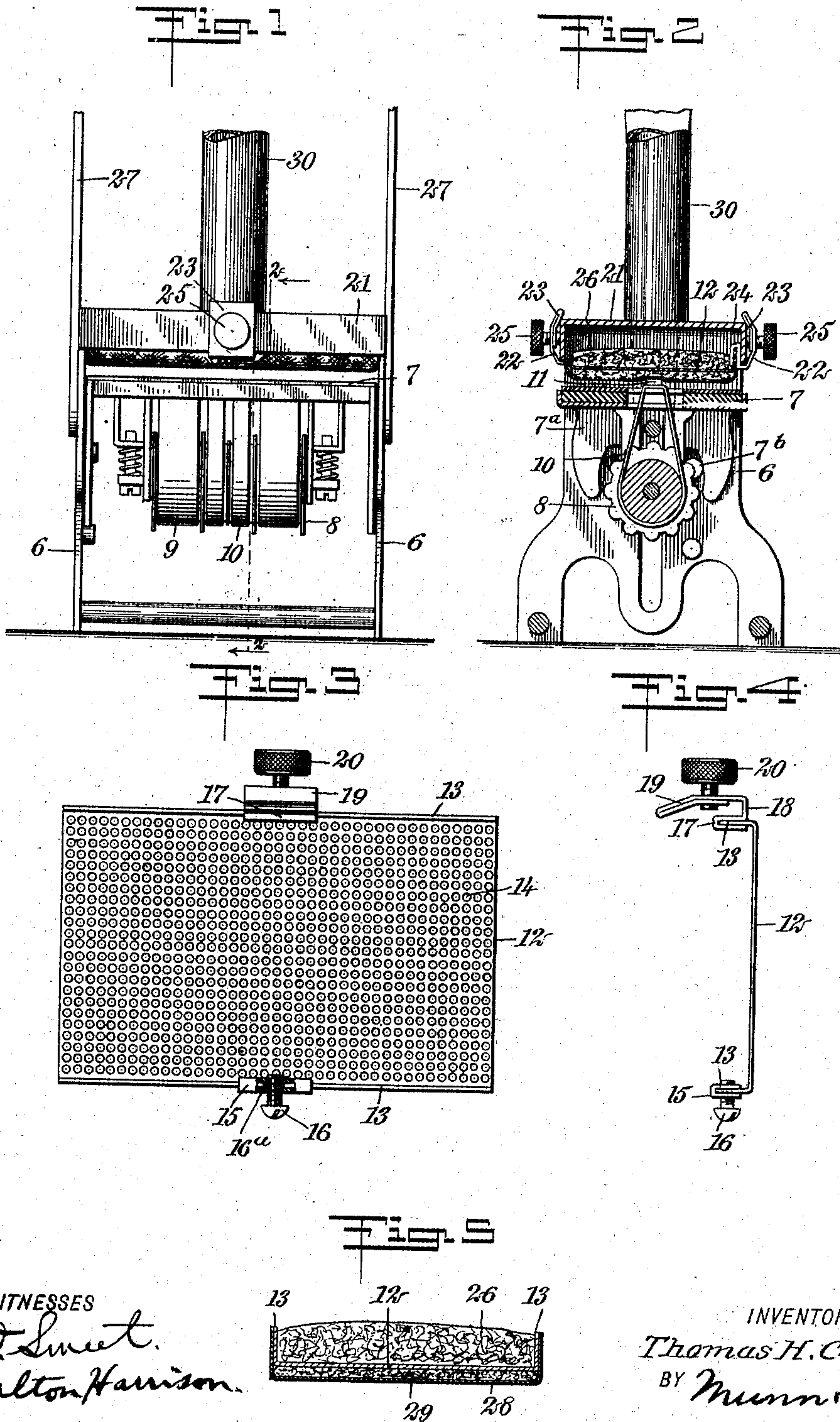


T. H. COX.  
DETACHABLE PAD FOR SELF INKING STAMPS.  
APPLICATION FILED NOV. 3, 1908.

965,874.

Patented Aug. 2, 1910.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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DETACHABLE PAD FOR SELF-INKING STAMPS.

965,874.

Specification of Letters Patent.

Patented Aug. 2, 1910.

Application filed November 3, 1908. Serial No. 460,808.

*To all whom it may concern:*

Be it known that I, THOMAS H. COX, a citizen of the United States, and a resident of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Detachable Pad for Self-Inking Stamps, of which the following is a full, clear, and exact description.

My invention relates to inking pads used upon self-inking stamps, my more particular purpose being to provide an improved mounting for holding the pad in the stamp in such manner that the pad may be readily detached for purposes of charging it with ink.

More specifically stated, my invention comprehends placing clips upon the ink-distributing grid forming part of the pad, for the purpose of detachably holding the pad upon the pad holder, these clips being provided with detachable screws and being arranged to hold themselves in position, either with or without said screws, as desired.

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

Figure 1 is a fragmentary side elevation of a dating stamp provided with my improvement; Fig. 2 is a substantially vertical section upon the line 2—2 of Fig. 1, looking in the direction of the arrows and showing how the pad is detachably held in position by aid of two spring clips and two thumb screws; Fig. 3 is a plan view of the ink-distributing grid removed from the pad and occupying its normal position, this view further showing a pair of clips differing slightly in form from those appearing in Fig. 2; Fig. 4 is an end elevation of the structure shown in Fig. 3; and Fig. 5 is a fragmentary section through the lower portion of the pad, showing the ink-distributing grid, the pad filling and the pad facing.

Movably mounted within a supporting frame 6 is a platen 7 carrying the usual adjusting wheel 8 and type bands 9, 10, the latter being provided with type 11. The platen is connected with a guide plate 7<sup>a</sup> which engages a pin 7<sup>b</sup> for the purpose of turning the platen as the stamp is operated. The construction and action up to this point being old and well known need no further explanation.

An ink-distributing grid is shown at 12 and is provided with upturned flanges 13 integral with it, and is further provided with holes 14 for allowing the ink to pass through it. Mounted upon one of the flanges 13 (see Fig. 3) is a clip 15 made of sheet metal and having in cross section a substantially U-shaped form. A screw 16 extends through a slot 16<sup>a</sup> in the clip 15 and also through the flange 13. Another clip 17, made also of sheet metal, is bent adjacent to one of its edges into substantially U form and fitted upon the flanges 13. This clip 17 is provided with a portion 18 parallel with the general plane of the grid 12, and is further provided with a longer portion 19 bent double, as indicated in Fig. 4, and also inclined slightly inward. A thumb screw 20 extends through the doubled portion 19 and is adapted to clamp the adjoining flange 13 of the grid. The frame 6 is provided with a pad holder 21 having a substantially box-like form, as will be understood from Fig. 2, for supporting the pad by aid of the spring clips 15, 17.

In the form shown in Figs. 1 and 2 the ink-distributing grid 12 is provided with spring clips 22, each having a portion 23 doubled upon itself and bent slightly inward. The clips 22 are further provided with portions 24, each bent back upon itself so as to assume a substantially U shape in cross section. The U-shaped portions just mentioned are forced upon the flanges 13 so as to hold the clips 22 securely in position relatively to the same. Thumb screws 25 extend directly through the portions 23 of the clips and engage opposite sides of the pad holder 21. The pad filling is shown at 26 and is adapted to contain the ink which gradually finds its way to the perforated grid 12 and is used up by the action of the stamp.

Extending upwardly from the pad holder 21 is a tubular guide 30 and disposed upon opposite sides of the same are movable arms 27 for manipulating the platen in the usual manner. A facing 28 and a lining 29 are mounted upon the grid 12, these parts together with the filling 26 constituting the pad.

The operation of my device is as follows: The clips 15 17 (Fig. 3) or the clips 22 (Fig. 2), as the case may be, are mounted upon the flanges 13 of the pad, as above de-



scribed, and securely soldered or brazed in position. The pad is then placed within the pad holder 21, the clips pressing toward each other and holding the pad in position.

5 The screws 16, 20 (Fig. 3) or 25 (Fig. 2), being once fitted into position, need not be removed entirely from the clips. I provide these screws in order to hold the pad securely in position, but I find in practice that

10 the screws 20, 25 may be left loose, or even removed entirely, if desired, the pressure of the portions 19, 23 being sufficient to hold the pad in position. The screw 16, however, is intended to always remain in position, as

15 indicated in Fig. 3, though it need seldom be turned, the screw 20, or even the pressure exerted by a portion 19 of the clip 18, serving usually to hold the pad in position. If, however, the pad happens to fit badly, or it

20 happens that the stamp is subjected to rough usage, it is better to insert the screws 25 as shown in Fig. 2. In practice it is seldom necessary to remove both of these screws. One of them being set may remain set for an

25 indefinite length of time, the other being turned to secure the pad in place.

The pad above described, when making contact with the type to be inked, adjusts itself. This is facilitated by leaving the

30 screws slightly loose in the clips until the pressure of the printing plate is squarely against the pad. The pad, in being thus free to move slightly, is adapted to rock itself into proper engagement with the type

35 face. This being done, the screws are tightened a little so that their pressure is just sufficient to keep the pad in position.

The pad is reversible in that when provided with the clips it may be turned around,

as is sometimes expedient in order to compensate for the wear and permanent impressions unavoidably taking place in it.

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

1. The combination of a grid provided with upturned flanges each occupying a plane crossing the general plane of said grid, and a clip mounted upon one of said flanges and provided with a substantially U-shaped portion engaging said flange, said clip being further provided with a portion for engaging a pad holder, and a screw extending through said clip for the purpose of engaging said pad holder.

2. The combination of a pad containing an ink distributing grid, said grid being provided with upturned flanges, and a clip provided with a U-shaped portion fitting upon one of said flanges, said clip being further provided with a portion bent outwardly from said grid, and a screw engaging said clip for the purpose of securing said pad upon a pad holder.

3. The combination of a pad containing an ink distributing grid, said grid being provided with upturned flanges, a substantially U-shaped clip mounted upon one of said flanges, and a screw extending through said clip for the purpose of holding said pad upon a pad holder.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS H. COX.

Witnesses:

WALTON HARRISON,  
EVERARD B. MARSHALL.