

No. 835,562.

PATENTED NOV. 13, 1906.

L. K. SCOTTFORD.
HAND STAMP.

APPLICATION FILED FEB. 3, 1906.

Fig. 1.

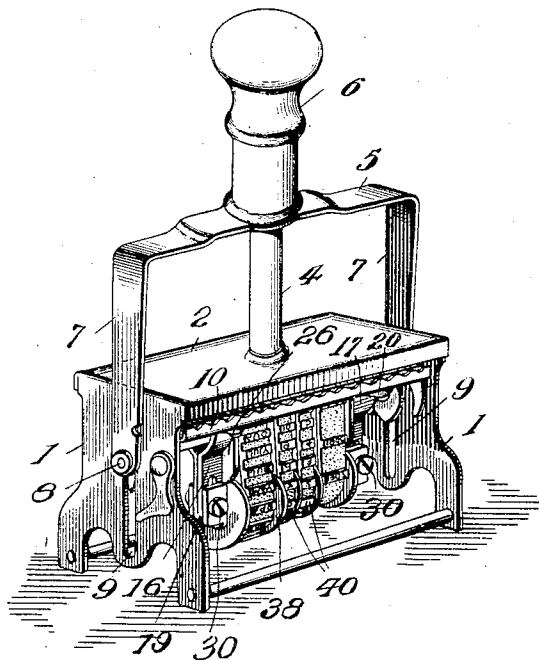


Fig. 2.

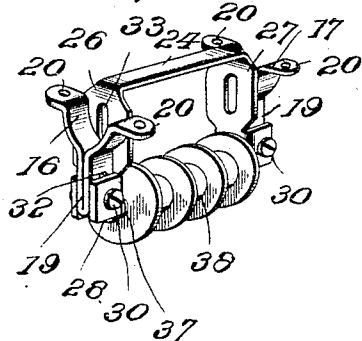


Fig. 3.

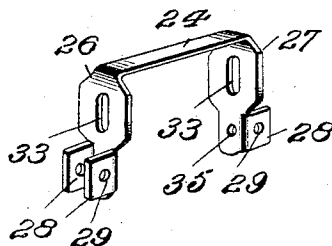
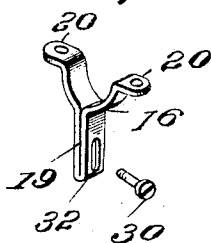


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

LOUIS K. SCOTFORD, OF CHICAGO, ILLINOIS, ASSIGNOR TO INDEPENDENT MANUFACTURING COMPANY, OF MUSKEGON, MICHIGAN, A CORPORATION OF ILLINOIS.

HAND-STAMP.

No. 835,562.

Specification of Letters Patent.

Patented Nov. 13, 1906.

Application filed February 3, 1906. Serial No. 299,366

To all whom it may concern:

Be it known that I, LOUIS K. SCOTFORD, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hand-Stamps, of which the following is a specification.

This invention relates to that class of self-inking hand printing-stamps which consists of a frame carrying an inking-pad and a handle having sliding movements with relation to said frame and arranged to actuate or tumble a reversible die-plate and printing-bands, so that when the handle is at one end of its movement the printing-surface is in contact with the inking-pad and when the handle is moved to the opposite end the die-plate is tumbled or turned over so as to come into contact with the surface to be printed, and thereby make the impression.

The object of my invention is to provide an attachment for this class of stamps whereby the printing-bands may be properly supported and may yet, moreover, be adjusted with respect to the fixed inscription-die so that they will both print uniformly.

With this object in view my invention consists in the peculiar construction, arrangement, and combination of parts, as will be hereinafter more particularly described and then definitely claimed.

In the accompanying drawings, forming part of this application, and which illustrate the preferable form of my invention, Figure 1 is a perspective view of a self-inking hand-stamp with my improvement applied thereto. Fig. 2 is a perspective view of my attachment detached from the stamp. Fig. 3 is a similar view of the type base or bridge and its side arms. Fig. 4 is a perspective view of one of the side frames.

Referring now to the details of the drawings by numerals, 1 designates the side frames, connected by the top plate 2, which supports an inking-pad on its under side. (Not shown.) Projecting upward from the top plate is the usual guiding-tube 4, on which slides the frame 5 and the operating-handle 6, the frame 5 having two downwardly-projecting arms 7, connected by a spindle 8, which latter passes from one side frame to the other through the usual vertical slots 9 in the side frames 1. The parts so far described may be of any desired construc-

tion, as the present invention does not reside therein.

Journaled on the aforesaid spindle 8 and passing from one side frame to the other is the die-plate 10, provided with the usual cams 12, by which the die-plate is tumbled or reversed from the inking-pad to the paper to be printed. This die-plate 10 and its cam are shown in the form in which they are generally used, and it will be understood that they may be changed as may be necessary and that my invention relates to the attachment now to be described and which is secured to this die-plate.

The die-plate is provided with a slot or opening, (not shown,) through which printing-bands project, as will be hereinafter described, and to the under side of the die-plate, at opposite ends of the said slot, I securely rivet two side frames 16 and 17, which are formed of the peculiar construction shown in Fig. 4. As there illustrated, it will be noticed that they are made of one piece of sheet metal, which is doubled upon itself to form a vertical member 19. The ends are bent into arch shape and then into flanges 20, by which these side frames are secured to the die-plate 10. The arched part not only greatly increases the strength of the side frames, but it also provides an opening or recess through which passes the spindle 8, projecting from the arms 7 of the frame 5.

In Fig. 3 is illustrated in perspective view the novel form of type base or bridge and its side arms, which coact with the side frames. (Illustrated in Fig. 4.) As shown in this Fig. 3, the type base or bridge is designated by the numeral 24 and is of such a size as to be capable of passing through the aforesaid slot in the aforesaid die-plate 10. This type base or bridge and its side arms are formed of one piece of metal, and after it is formed into shape for use there are two members 26 and 27 projecting at right angles from the type base or bridge 24, and these in turn are each provided with two flanges 28, perforated at 29. This combined type base or bridge and its side arms are so constructed that the flanges 28 form recesses in which fit the vertical members 19 of the side frames, screws 30 passing through the perforations 29 in the flanges 28 and also through slots 32 in the members 19, by which the flanges 28 may be se-

cured to the vertical portions 19 of the side frames. It will of course be understood that the slots 32 permit the type base or bridge 24 and its connected parts to be adjusted with respect to the side frames, so that the type base or bridge 24 may therefore be adjusted relatively to the die-plate 10, as will be more clearly described. It will also be observed that the members 26 and 27, projecting from the type base or bridge 24, are also provided with perforations 33, through which may pass the aforesaid spindle 8. These members 26 and 27 are also further provided with perforations 35, and these form bearings for the axle or spindle 37, which supports the usual rollers or type-drums 38. Around these drums 38 and over the type base or bridge 24 are passed the type-bands 40. In this class of machines the aforesaid die-plate 10 is usually provided with some fixed printing-type or descriptive matter, and the type-bands have on them movable dates, and when my attachment is used it will be obvious that by loosening the screws 30 the type base or bridge, with its type bands and drums, may be adjusted with respect to the fixed inscription on the die-plate 10. Thus if the type-bands project too far through the slot 14 the type base or bridge may be loosened and adjusted to the proper position, or, on the other hand, if the type-bands do not project far enough to be upon the same printing-plane with the fixed inscription the screws 30 may be loosened and the type-base, with its type-bands, may be projected just far enough to be on the same printing-plane with the fixed inscription and the screws then tightened.

From the foregoing and the accompanying drawings it will be seen that I have invented a simple attachment by which the bands of hand-stamps may be readily adjusted and that this attachment comprises three principal members which may readily be struck up from sheet metal. While the attachment may therefore be made at the minimum cost, the parts are so formed as to give sufficient strength to withstand any strain placed on the parts.

What I claim as new is—

1. In a hand-stamp, a substantially U-shaped member having its horizontal portion acting as a type base or bridge and the side members coacting with said type-base, to

support the printing characters, each of said side members having flanges forming guides, and side frames doubled upon themselves and having their doubled portions fitting within the guides formed by said flanges, substantially as described.

2. In a hand-stamp, a type base or bridge having side arms projecting therefrom, each of said side arms having flanges, and side frames suitably secured in position and adjustably fitted within said flanges, substantially as described.

3. In a hand-stamp, a die-plate, side frames secured thereto and comprising sheet-metal members doubled upon themselves, and a type base or bridge having portions secured to said side frames, substantially as described.

4. In a hand-stamp, a die-plate, side frames secured thereto comprising sheet-metal members doubled upon themselves, and a type base or bridge having side members projecting therefrom, each of said side members having a flange projecting therefrom, and said flanges being adjustably secured to the doubled members of said side frames, substantially as described.

5. In a hand-stamp, a die-plate, side frames secured thereto and comprising sheet-metal members doubled upon themselves, and a type base or bridge having side members, each of said side members having a pair of flanges in which the doubled members of said side frames fit, substantially as described.

6. In a hand-stamp, a die-plate, side frames secured thereto and comprising sheet-metal members doubled upon themselves with an arched opening for the passage of a pivotal pin, a type base or bridge having side members, each of said side members having a pair of flanges in which the doubled parts of said side frames fit, and screws for adjustably connecting said type base or bridge with said doubled members, substantially as described.

Signed by me at Chicago, Illinois, this 24th day of January, 1906.

LOUIS K. SCOTFORD.

Witnesses:

JOSEPH A. GRIFFIN,
LOUIS FRANK.