No. 859,310. PATENTED JULY 9, 1907.

J. S. MATTHEWS.

HAND STAMP.

APPLICATION FILED FEB. 24, 1906.

Fig. 1.

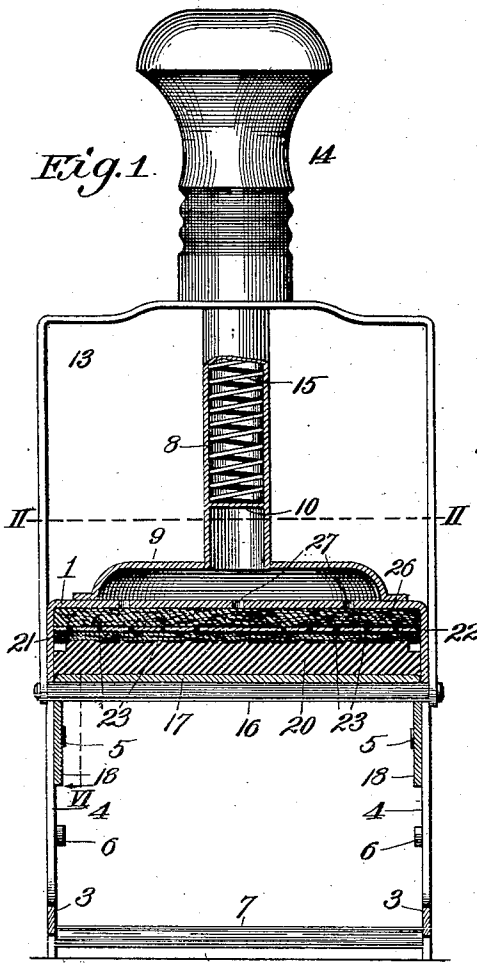


Fig. 3.

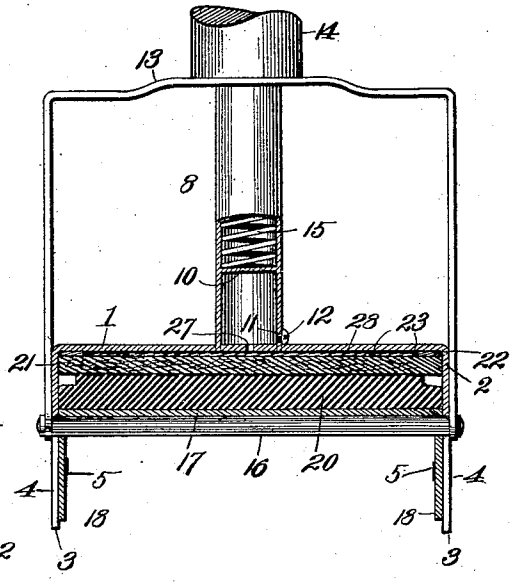


Fig. 4.

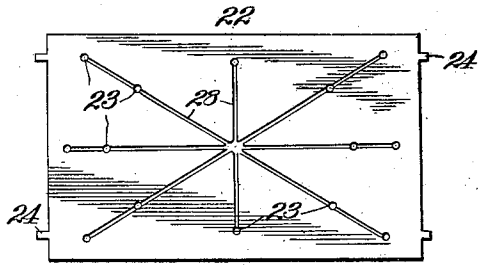


Fig. 2.

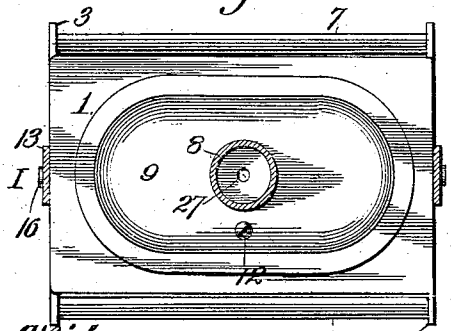


Fig. 5.

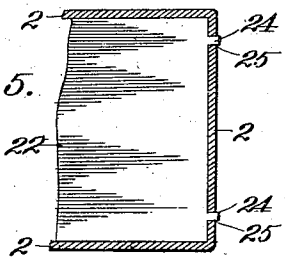
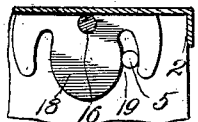


Fig. 6.



Witnesses:

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HAND-STAMP.

No. 859,310. Specification of Letters Patent. Patented July 9, 1907.

Application filed February 24, 1906. Serial No. 302,789.

To all whom it may concern:

Be it known that I, JOHN S. MATTHEWS, a subject of King Edward of England, residing at Kansas City, in the county of Wyandotte and State of Kansas, have invented certain new and useful Improvements in Hand-Stamps, of which the following is a specification.

This invention relates to hand stamps of that class having an ink-pad and a printing plate which has its face disposed upwardly when engaging the pad and downwardly when making an imprint on paper or other substance, and my object is to produce a stamp of this character equipped with a font for automatically supplying the pad with ink for a comparatively long period of time.

A further object is to produce means for effecting an even distribution of ink over the entire surface of the pad that the imprint may be of uniform appearance and legibility.

To this end the invention consists in certain novel and peculiar features of construction and combinations of parts as hereinafter described and claimed, and in order that it may be fully understood reference is to be had to the accompanying drawing, in which—

Figure 1, represents a view partly in side elevation and partly in vertical section on the line I—I of Fig. 2. Fig. 2, is a horizontal section taken on the line II—II of Fig. 1. Fig. 3, is a vertical section similar to Fig. 1 but showing a modified form of construction. Fig. 4, is a plan view of the ink-distributing plate shown in Fig. 3. Fig. 5, is a horizontal section in the plane of the upper surface of the ink-distributing plate. Fig. 6, is a cross section on the line VI, of Fig. 1.

In the said drawing where like reference characters refer to corresponding parts, a stationary frame comprises the bed-plate 1 provided marginally with depending flanges 2, the end flanges 2 extending downwardly to form supporting legs 3 for the stamp. Said legs are provided with vertical slots 4 and at one side of said slots with vertically alined pins 5 and 6, the lower ends of the legs being connected by the brace rods 7.

8 indicates a vertical stem disposed centrally above the bed-plate of the stationary frame and secured thereto at its lower end, the lower end of the stem of Figs. 1 and 2 being provided with an enlarged hollow base portion 9 secured to the bed-plate with a water-tight joint, and secured in the tubular stem at a suitable distance from its lower end is a partition 10 which forms the top of a chamber adapted to contain a quantity of ink, the chamber or font being supplied through an aperture 11 in the stem 8, a screw-plug 12 forming a closure for said opening.

13 indicates a frame or yoke embracing opposite ends of the bed-plate and fitting slidingly on stem 8, said yoke being provided with a handle 14 at its upper end against which a yielding upward pressure is constantly exerted by the helical spring 15 occupying the upper portion of the stem. The lower ends of the yoke are connected by a cross rod 16 extending through slots 4.

17 indicates a plate provided with depending ears 18 pivotally engaging rod 16, and provided at opposite sides of the rod with eccentric grooves 19, which are adapted by engagement with pins 5 and 6 to reverse the position of plate 17 during the reciprocatory movement of the yoke, in order that the printing plate 20 may face upward when the yoke is elevated and downward when it is desired to produce an imprint on paper or other substance.

21 indicates a pad secured to the under side of the bed-plate, and 22 a plate provided with a plurality of apertures 23 which are scattered for effecting a comparatively wide distribution on the ink-printing surface of the pad, the ink being evenly distributed over the same by capillary attraction. By preference the ink-distributing plate is provided at its ends with projecting tongues 24 for engaging openings 25 in the end flanges of the bed-plate.

In my preferred construction I preferably embed the distributing plate in the ink pad, or what is the same thing, interpose a second ink pad 26 between the distributing plate and the bed-plate, and provide the latter with one or more discharge openings 27 through which the ink may pass to the pad. If desired the upper pad or pad-portion may be dispensed with and the distributing plate be arranged against the under side of the bed-plate. In this case I prefer to provide the upper surface of the ink-distributing plate with channels 28 which intersect at a point below one of the discharge openings in the bottom of the font, and conduct the ink to the apertures 23.

A hand stamp equipped with an ink-font of the character described and with means for effecting an even distribution of ink to the pad will be found of great service in establishments where a large amount of stamping is done. In offices of the character referred to the hand stamps usually have to be inked four or five times a day and consequently entail considerable loss of time in a busy establishment. Furthermore, a stamp equipped with a font is almost invariably ready for service, whereas the ordinary stamp, if unused for a short period, must be re-inked before being put into service.

Having thus described the invention what I claim as new and desire to secure by Letters Patent, is:—

1. A hand stamp comprising a stationary frame, a pad carried thereby, a reciprocatory frame, a reversible print-

ing plate carried by the reciprocatory frame for engagement with the pad, an ink-font upon the stationary frame above the pad having perforated bottom to permit the passage of ink to the pad, and a perforated distributing plate arranged between the faces of the pad and adapted to effect a wide and comparatively even distribution of the ink to the type-inking face of the pad.

2. In a hand-stamp, the combination of the frame having openings in its ends, a pad mounted in the frame, and a distributing plate arranged above the type-inking surface of the pad and provided with tongues at its ends adapted to engage the openings in the ends of the frame.

In testimony whereof I affix my signature, in the presence of two witnesses.

JOHN S. MATTHEWS.

Witnesses:

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