

F. L. BAILEY.

Hand Stamp.

No. 124,655. Patented March 19, 1872.

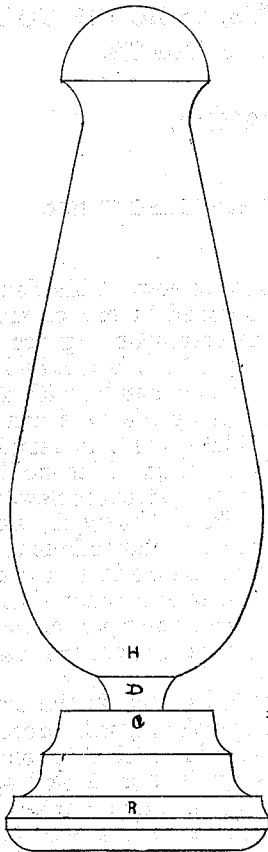


Fig. 1.

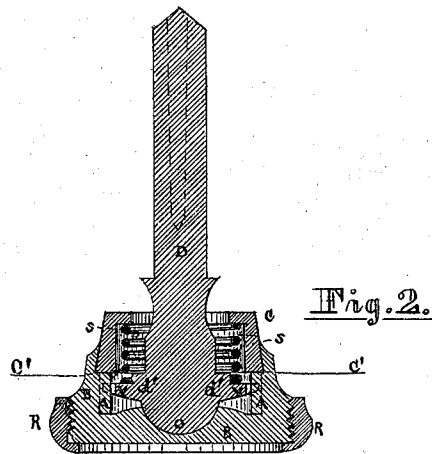


Fig. 2.

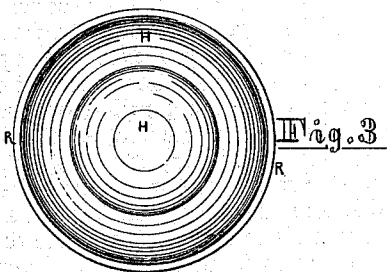


Fig. 3.

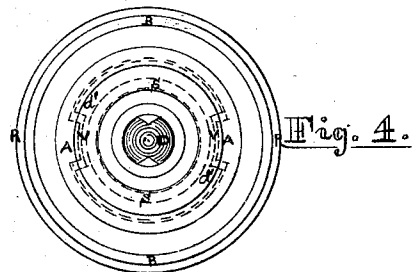


Fig. 4.

Witness } Sumner Albee
 } Anna E. Warner F. L. Bailey.

UNITED STATES PATENT OFFICE.

FRANKLIN L. BAILEY, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF
AND GEORGE A. WALKER, OF SAME PLACE.

IMPROVEMENT IN HAND-STAMPS.

Specification forming part of Letters Patent No. 124,655, dated March 19, 1872.

To all whom it may concern:

Be it known that I, FRANKLIN L. BAILEY, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Hand-Stamps for Printing and Stamping, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is an elevation of my stamp, showing the handle in its relative position to and surmounting all the other working parts. Fig. 2 is a vertical section taken through the center of all the parts except the handle, which is removed. Fig. 3 is a plan of Fig. 1. Fig. 4 is a plan of all except the handle, showing some of the parts dotted in in their proper places.

This is an improvement in what is known as flexible hand-stamps, of which there are several varieties, in which the bottom or bed, upon which the plate of type is held, is not rigidly attached to the handle, but generally with a metallic or rubber spring interposed to make the connection pliable. I do not wish to be understood as claiming as new and patentable the use of the bed, spring, spindle, and cap or cover for this purpose, but only certain modifications of these principal parts, affecting the convenient and most successful use and durability of the whole, and ease in the manufacture, all of which I will attempt to explain by saying that the spindle, besides holding the handle at its top end, has its bottom end rounded so as to fit into a socket of corresponding curvature in the top of the bed. This spindle has a flange projecting from it laterally just above its rounded end, upon which is planted a spring. Thus far described this spindle is not new. But this flange is also extended laterally beyond the requirements of the spring quite to the inner side of the cylinder of the bed, which cylinder is extended upward to meet a cover, the flange being of such a larger diameter that the ring, which incloses and holds the top end of the spring, shall project inward beyond its edge and prevent the stem's being pulled outward against the spring with any irregular force, and so injure it. This arrangement of the

flange and cover is new. This flange is also cut away or notched in one or more places, and projections corresponding are cast upon the inner surface of the bed cylinder so as to lock the spindle and handle with the bed, so that the ring holding the type can be firmly screwed to its place, there to remain against the jar of the stamping. This modification of the flange and arrangement is new. So also is the additional effect that by the extension of this flange a greater distance from the center of the spindle it can be made to strike against the bed, and in a safer manner limit the swaying of the handle out of a perpendicular, than if the spindle struck against the inside of the ring above.

To enable those skilled in the art to make and use my invention, I will proceed to describe the manner in which it is constructed.

In the drawing, B, Figs. 2 and 4, is a circular bed, having a plane surface upon its under side, and upon whose outside diameter is cut a screw, upon which fits the ring R, which, with a lip upon the under side, holds the plate of type. This bed is extended upward, at a little less diameter as a hollow cylinder, sufficiently far to meet the cover C, which is of still less general diameter; this cover being thereby inserted into the cylinder a short distance, and in the process of construction the two parts are rolled or pressed together. The top of the bed, within this cylinder, has at its center, at O, Fig. 2, a semi-spherical cavity, into which fits the bottom rounded end of the spindle D, seen at O, Fig. 2; this spindle reaches upward into the handle H, in which it is firmly fixed. This spindle has upon it a flange just above its circular end, and extending laterally, which is marked *d' d'*, Figs. 2 and 4, upon which is planted the bottom end of the spring *s s s*, Fig. 2. This flange is also cut away at its opposite sides at V V, into which fit loosely the projections A. A cast on the inner side of the cylinder of the bed B. The under side of the flange *d' d'* slopes upwardly from the ball of the spindle, and the upper surface of the bed slopes downward from its socket, so as to allow the spindle and handle to sway the proper distance before these surfaces come together and arrest the movement. The top end of the spring *s s s*,

Fig. 2, is inclosed and held in place by the cover or ring C, which surrounds the stem, and has a hole in it large enough to allow the spindle to go clear of it. The outer diameter of this ring C, at its bottom, is made to rest in a shoulder of the same diameter cut in the top of the cylinder, as seen at C' C', Fig. 2, the inner diameter of this ring C being such as to contain the spring and be somewhat less than that of the flange d' d' below it.

What I claim, and wish to secure by Letters Patent, is—

The arrangement of the notched spindle-flange d' d' and the projections A A, for the purpose described, in combination with the ring C, when operating as described, and for the purpose set forth.

FRANKLIN L. BAILEY.

Witnesses:

SUMNER ALBEE,

AARON E. WARNER.