

(No Model.)

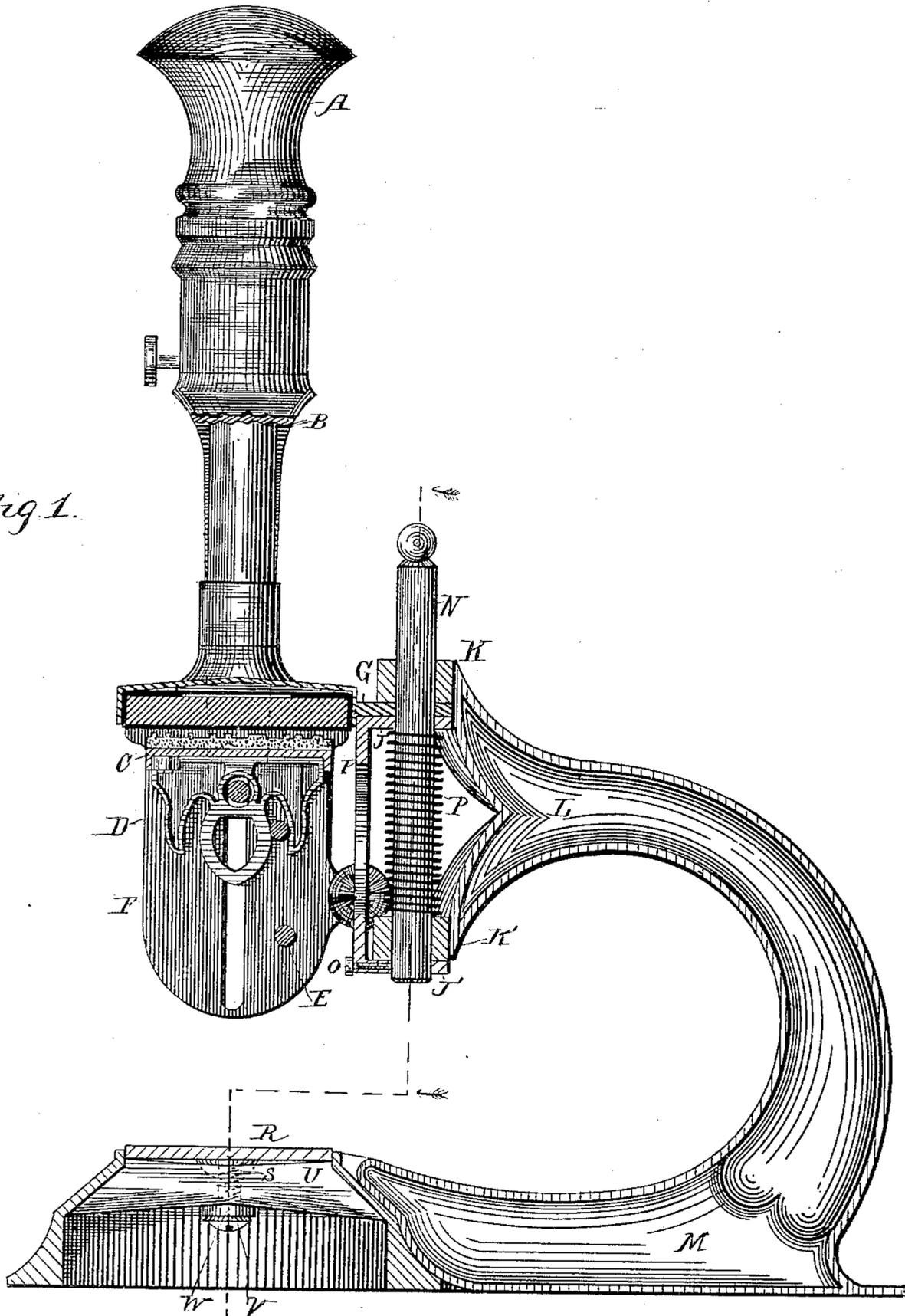
3 Sheets—Sheet 1.

B. B. HILL.
HAND STAMP.

No. 339,293.

Patented Apr. 6, 1886.

Fig. 1.



WITNESSES:
W. T. Robertson
E. A. Bond

INVENTOR
Benz B Hill
 BY *J. W. Robertson*
 ATTORNEY

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3 Sheets—Sheet 2.

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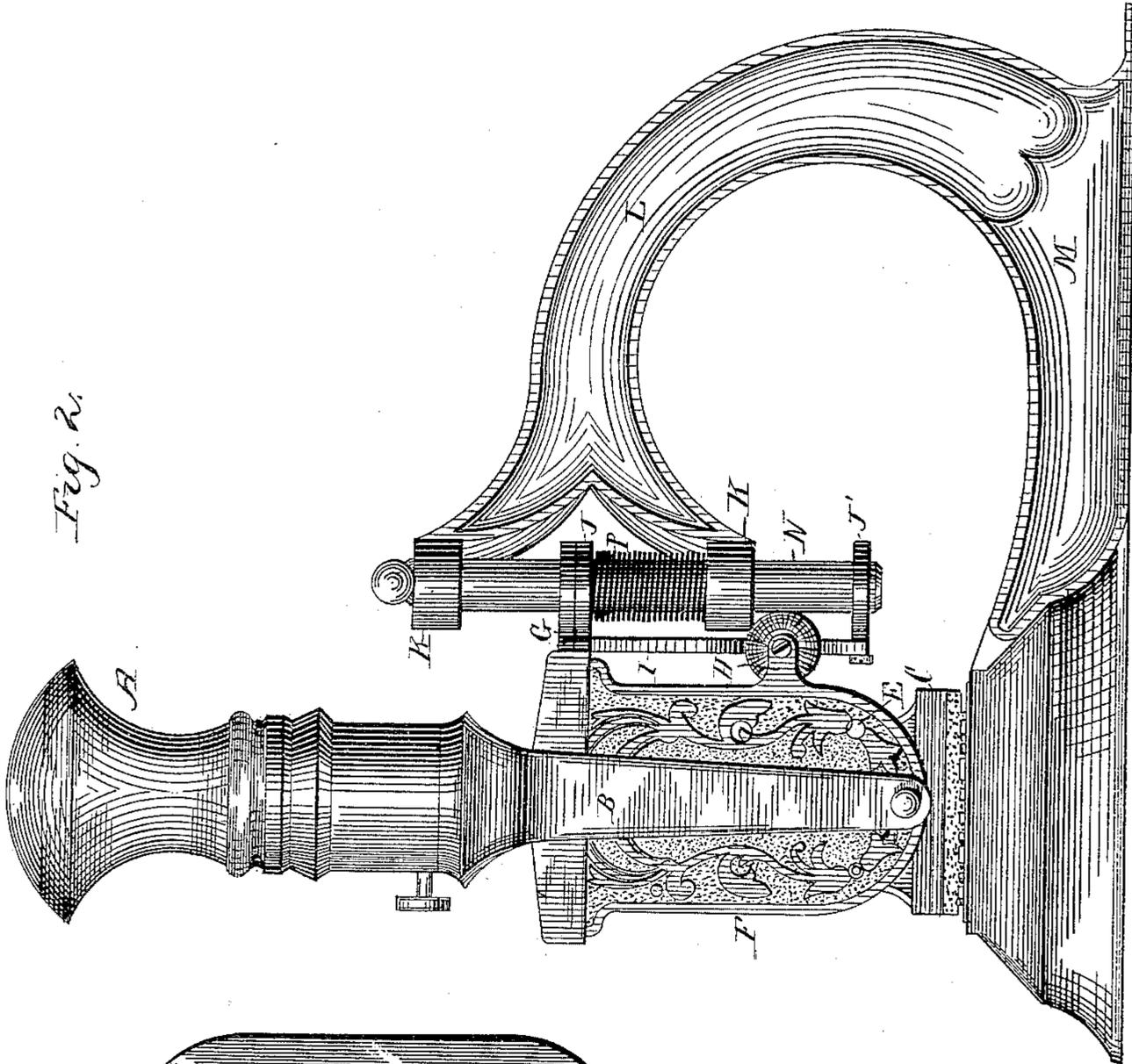


Fig. 2.

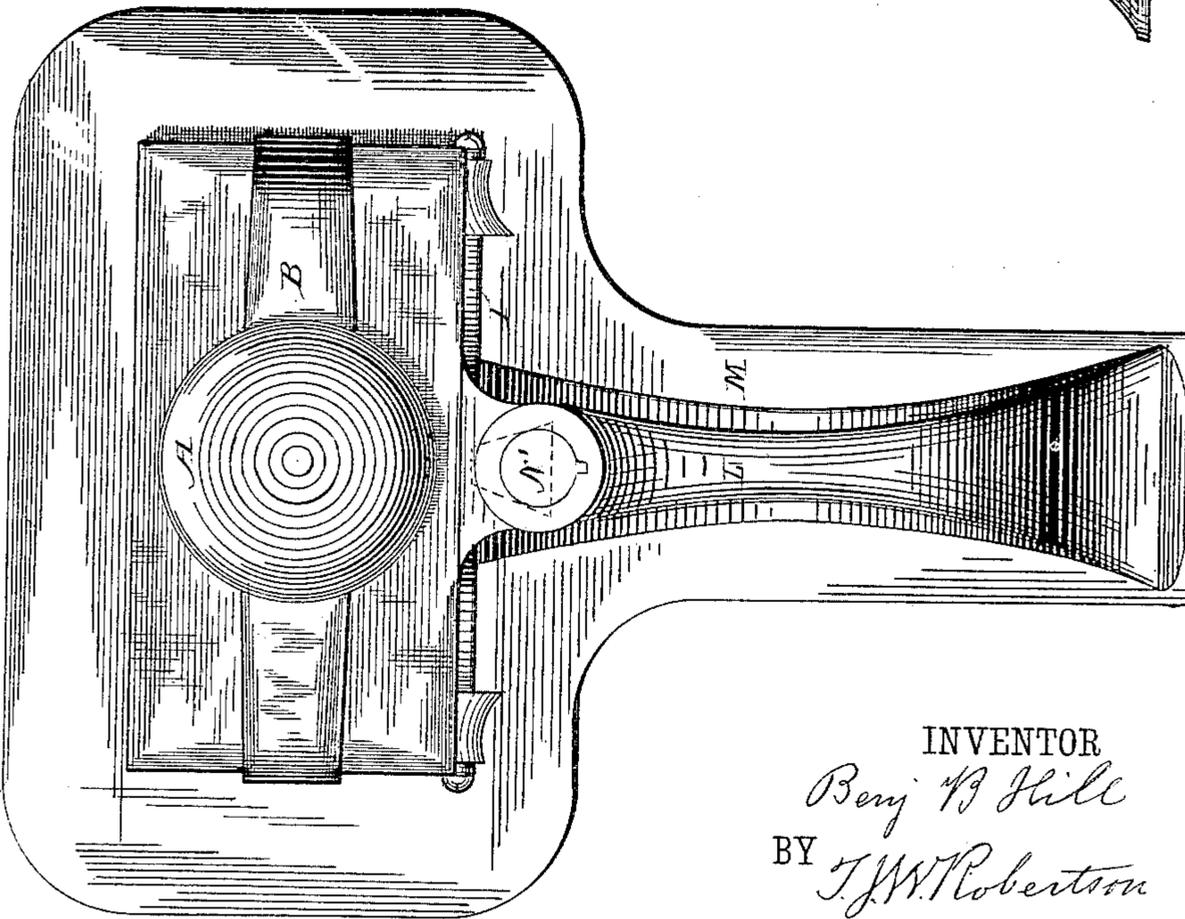


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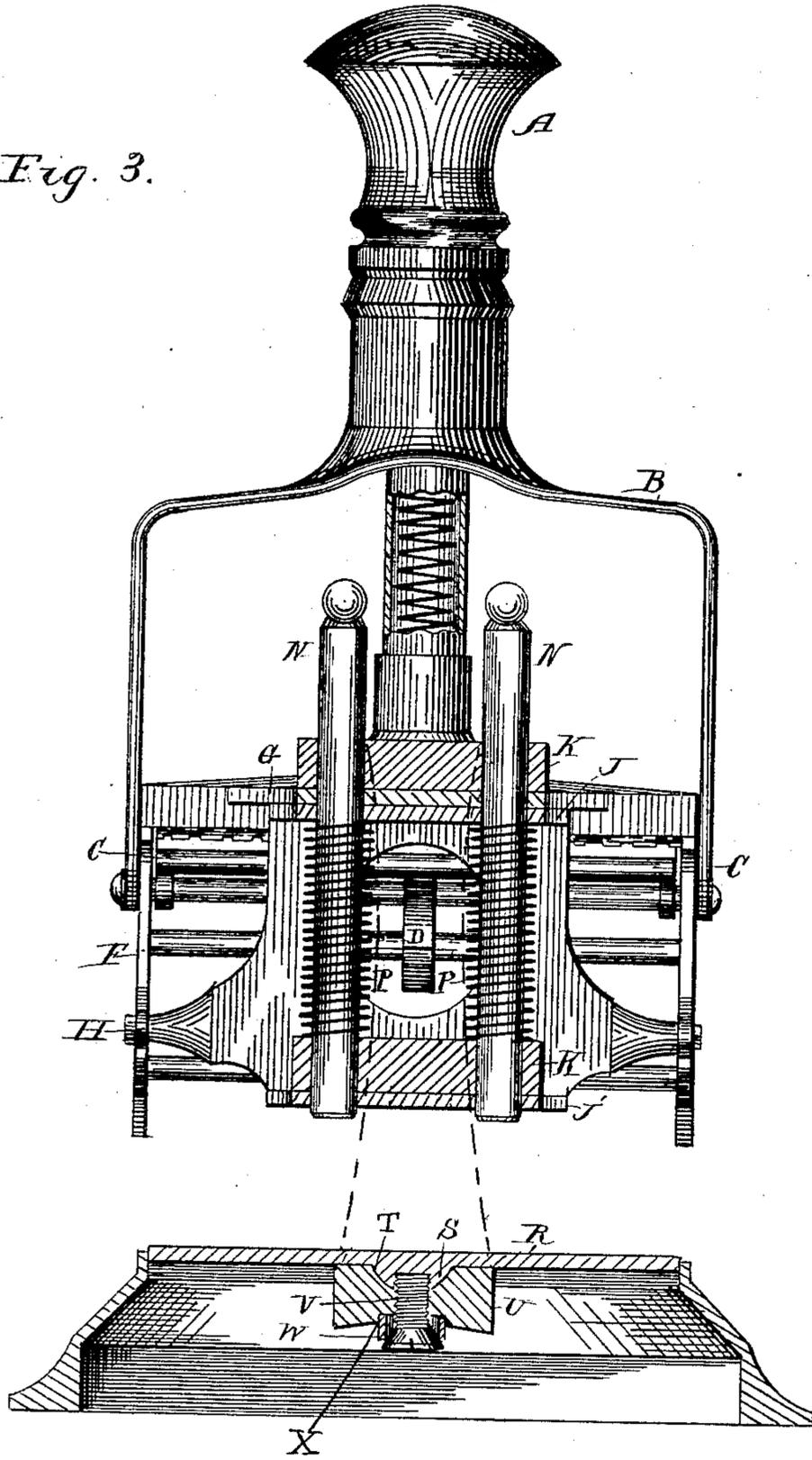
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Fig. 3.



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UNITED STATES PATENT OFFICE.

BENJAMIN B. HILL, OF PHILADELPHIA, PENNSYLVANIA.

HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 339,293, dated April 6, 1886.

Application filed December 16, 1884. Serial No. 150,503. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN B. HILL, a citizen of the United States of America, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Hand-Stamps, of which the following is a specification, reference being had herein to the accompanying drawings.

This invention relates to that class of self-inking stamps which are provided with supports or stands and bases on which the impression is given; and it consists in the peculiar combinations and the construction and arrangement of parts, as hereinafter more particularly described and claimed, whereby different thicknesses, from a book to a sheet of paper, may be readily, easily, and equably stamped, even if each article varies in thickness.

In the accompanying drawings, which show one form of my invention, Figure 1 is a side view, partly in section, with all the parts in their highest position. Fig. 2 is a side elevation with the parts in their lowest position. Fig. 3 is a section through the line $x x$ in Fig. 1. Fig. 4 is a plan showing a modification.

Referring now to the details of construction, A represents the handle attached to the fork B, which carries in the usual manner the die-plate C, which may be provided with any known turning device; but I prefer the cam-plate D and pins E, which are the same as those which form the basis of my Patent No. 315,286, dated April 5, 1885, and it is therefore unnecessary to describe them further, as they are not here claimed.

The above parts are mounted in a slotted frame, F, carrying the usual inking-pad, and which is very similar to the frame in my aforesaid patent, but is provided with an extension of the top at G, and with ears H at each side. To these ears are fastened by screws or otherwise a plate, I, having lugs J J', preferably at top and bottom. Through these lugs J J', the extension G, and the arms K K' of a standard, L, attached to the base M, are passed two rods, N, which are firmly fastened in the lugs J by screws O, so as to form in effect one piece with the plate I and the frame F. Surrounding these rods N are springs P, which find their points of resist-

ance between the lugs J and the arms K', so that the springs will always have a tendency to raise the frame F. The springs P should be of sufficient power to keep the frame in the position shown in Fig. 1, and should preferably be of greater power than that inclosed in the handle, and will thus form a yielding support for the moving part of the stamp.

At R is shown an impression-plate, which is provided with a hemispherical boss, S, which sets into a corresponding recess, T, in the cross-bar U in the base M. This plate is secured in place by a screw, V, passing through a rubber spring, W, in a recess, X, in the under side of the cross-bar U, by which construction the impression-plate R will yield to accommodate itself to the varying thicknesses of articles being stamped, so as to always produce a good impression.

It will be seen that by the construction and arrangement of parts here shown and described, as the handle A is pressed downward, the die-plate is first turned, because the spring in the handle has less power than the springs P, and that after the die-plate has been completely turned the slotted frame F and all its attachments descend until its further downward progress is stopped by the articles being stamped, and then the impression is produced, no matter how thick or thin the article may be. On relieving the pressure on the handle the springs P first react, carrying the frame, &c., upward clear of the article being stamped, and then the spring in the handle comes into play and reverses the position of the die-plate and carries it up to the ink-pad to take ink.

I do not limit myself to the exact construction shown, as it is evident that it may be varied at the will of the constructor without departing from the spirit of my invention. For instance, instead of the two rods N a single rod, N', (see Fig. 4,) may be employed, which may either be round with some device (such as a feather) to keep the frame from turning on it as a center, or it may be polygonal or dovetail shaped, as shown in dotted lines in the same figure.

What I claim as new is—

1. In a self-inking hand-stamp, a base, a yielding support connected with the same, a frame resting on said support and carrying a

turning device for an oscillating die, in combination with said oscillating die, a moving frame carrying said die, and a handle for operating the same, substantially as described.

5 2. In a self-inking stamp, a base, a yielding support connected to the same, a frame resting on said yielding support and carrying an inking-pad, and a turning device for an oscillating die-plate, in combination with said
10 oscillating die-plate, a moving frame and handle for operating the same, and a spring constructed to assist in reversing said die after each impression, substantially as described.

3. The combination, in a self-inking stamp,
15 of the base M, supporting an impression-plate, R, a standard, L, carrying the yielding support P and rising from said base, a frame, F, carrying an oscillating die-plate, inking-pad, and operating-fork, B, and mounted on said
20 yielding support, substantially as described.

4. The combination, in a self-inking stamp, of the base M, the impression-plate R, the

standard L, rising from said base and having the arms K K', with the frame F, carrying the inking-pad and die-plate, rods N, connected 25 with the frame F and passing through the arms K K', and the spring P, substantially as described.

5. The combination, in a self-inking stamp, of the base M, the impression-plate R, the 30 standard M, rising from said base and having the arms K K', of the frame F, carrying the die-plate and inking-pad, the plate I, having lugs J, the rods N, passing through said lugs J, and arms K K' and the springs P, surround- 35 ing said rods, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 13th day of December, 1884.

BENJAMIN B. HILL.

Witnesses:

WILLIAM S. TOLAND,
WILLIAM JONES.