

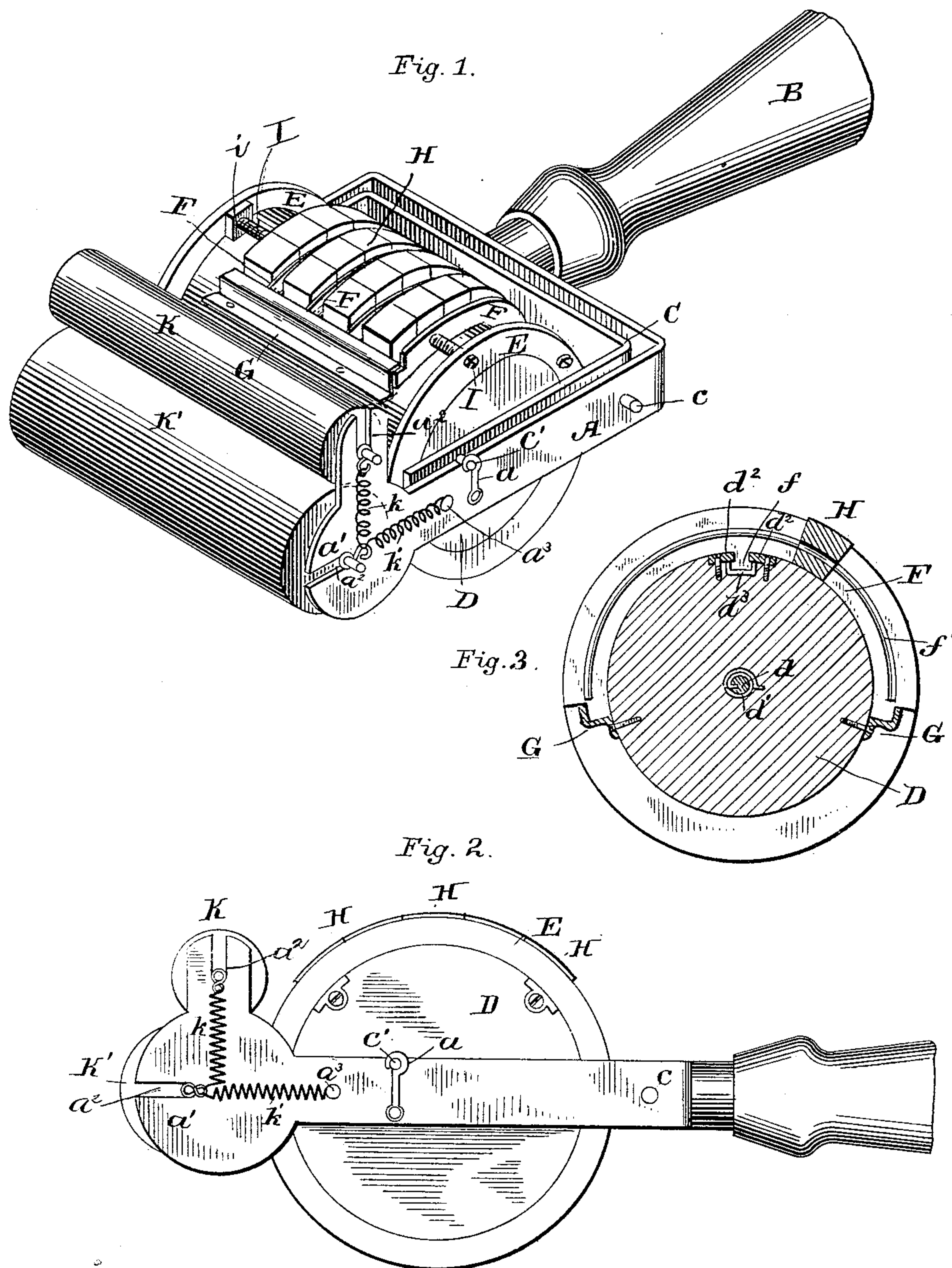
(Model.)

2 Sheets—Sheet 1.

H. A. CADD.
HAND STAMP.

No. 386,687.

Patented July 24, 1888.



Witnesses,
L. G. Fischer,
M. Redman.

Inventor,
Henry A. Cadd.
By his Attorney
L. Deane

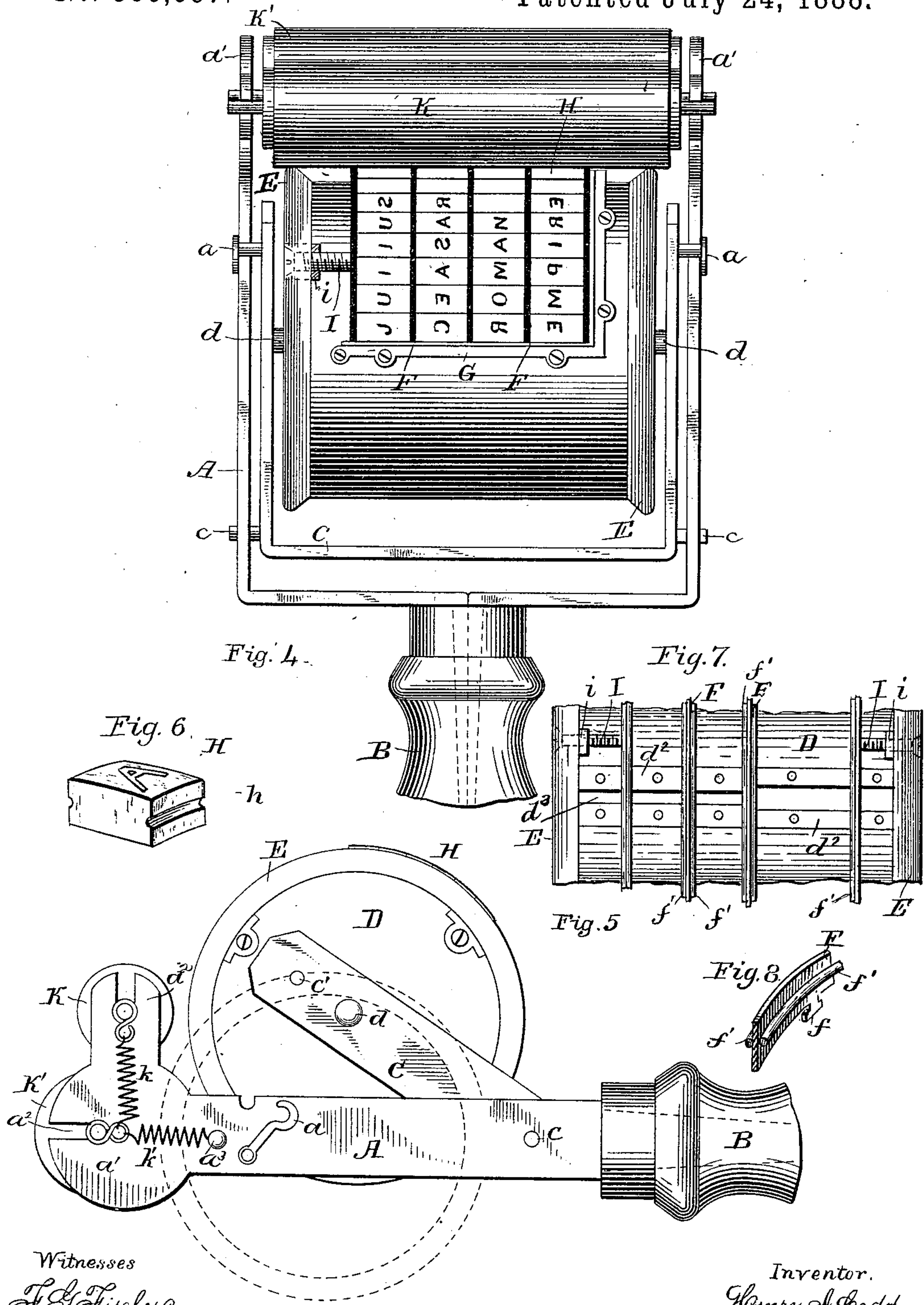
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UNITED STATES PATENT OFFICE.

HENRY A. CADD, OF DELL RAPIDS, DAKOTA TERRITORY.

HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 386,687, dated July 24, 1888.

Application filed March 16, 1887. Serial No. 231,117. (Model.)

To all whom it may concern:

Be it known that I, HENRY A. CADD, a citizen of the United States, residing at Dell Rapids, in the county of Minnehaha and Territory of Dakota, have invented certain new and useful Improvements in Hand-Stamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Figure 1 is a perspective view of my device ready for use, the type being set a little wider apart than usual, so as to show the division-strips between them. Fig. 2 is a side elevation. Fig. 3 is a cross central section of the stamp-roller. Fig. 4 is a top plan view of the device, showing slight changes in means for holding the type, which are set about as close together as in actual use. Fig. 5 is a side elevation showing the stamp-roller swung up as in position when changing the type or marking-pieces. Fig. 6 is a detail in perspective of the lettered portion of the stamp; Fig. 7, a detail plan view of the stamp-roller, the lettered pieces being removed. Fig. 8 is a detail showing one of the division strips or pieces.

This invention belongs to that class of devices known as "hand-stamps," and the particular points of novelty relate to the details of construction of the roller on which the type are placed, and to the means for attaching the type to the marking-roll, and to the combination of the stamp-roller with its frame and with the frame containing the inking-rolls, and to the combination of the inking-rolls with the frame, and finally, to the construction of the several parts of the present device and their combination as a whole, all as will now be more fully set out and explained, reference being had to the accompanying drawings.

In the drawings, A indicates a suitable frame, made of metal, and having attached thereto at one side, preferably the upper, a handle, B. In this frame is hinged or pivoted, in any desirable manner, as at *c*, the inner frame, C. In this frame is pivoted or journaled, at *d*, the stamping-roller D. At each end of this roll is secured, in any desirable manner, a rubber bearing-band, E, which projects at a suitable distance beyond the circumference of the roll. Upon the journal *d* of the roller D, and

preferably within the body of the roller, is provided, in any usual or ordinary manner, a spring, *d'*, by means of which, after the stamp has been properly impressed upon the object to be marked, it may be returned to its normal position, and in readiness for being used again.

Upon the outer surface of the roller D are placed the curved metallic division-strips F, which are readily placed in position by means of the T-shaped lug *f* on the under side of each, which fit in the metallic flanged ways *d''*, placed on each side of the groove *d'''* in and running lengthwise across the top of the roller D. It will be understood, of course, that in the operation of fitting the division strips or pieces the stamping-roller has been swung away from the outer frame, and the types on one edge removed to enable easy access to be had to the exterior surface of the said roller. The ends of said division strips or pieces are also secured to and upon the surface of the rolls by means of the metal flanges G, which flanges are secured upon the surface of the roller D, so as to fit snugly over the ends of the said division-pieces F. There may be as many of these metallic division pieces or strips F as desired. Each of the outside strips has on its inner face a curved rib, *f'*, while the inner or middle ones have such a rib on both sides. There may be as many of the types H as desired. This inscription may be in as many lines as desired, the details of this being regulated by the number of division-strips, as aforesaid, and the lettered pieces or type fitted therein in manner and form as will now be described.

The type has in each side a groove, *h*. In making up the roll, in the first instance a division-strip is placed in its proper position on the surface of the roll, the lug *f* engaging in the ways *d''*. Then one or more of the type H, according to the length of the inscription which shall be in this line, is so placed against this division-strip that the groove *h* fits snugly upon and over the rib *f'*, and when this line of the stamp has been so made up the next metallic division-strip is placed against it so that its rib fits into the groove or grooves on the opposite side of the type. As has been remarked above, there may be as many rows or lines of these type as may be desired, each

of which is fitted into position, as is above described, while the outer metallic division-piece—that adjacent to the rubber band on each side—will be held by set-screws I, which
 5 pass through the rubber bearing-bands E and a metallic lug, *i*, which is fitted into the body of the roller and projects a little beyond the surface for this purpose. The set-screw binds
 10 against the edge of the outer metallic division-strips, or simply wedges or blocks can be used between the sides of the type and the bearing-band. This arrangement may be adapted to hold the outer division strips on each side;
 15 or, instead of such construction, if desired, the flange G may be extended around one side, so that the outside metal division-strips on this side will fit under it, as is illustrated in Fig. 4.

It will be noted that the bearing band E as
 20 shown in Fig. 1 differs from the like part in Figs. 4 and 7 merely in the ornamental finish or shape; but there is absolutely no difference in its uses. I propose to make this band more or less ornamental, according to the grade or
 25 excellence in the structure as manufactured.

By the construction which is above explained it will be readily understood that the letter-bearing part of the stamp can be easily applied, strongly secured in position, and when
 30 occasion demands easily removed.

The inner frame, when in position for use, can be securely locked to the outer frame by means of the hasps *a*, which engage upon studs
 35 *c'*, extending from the sides of the inner frame or in any other convenient manner.

The inking-rolls K and K' are journaled in the slots *a''* in the ends *a'* of the frame A, the upper roll being placed vertically above the lower. The journals of each are attached, re-
 40 spectively, to the springs *k k'* and so that each roller is governed by both of said springs, and thus the roll has sufficient elasticity of movement upon the stamp to insure a close con-

tact upon it in its revolutions and at the same time prevent any binding. The said springs
 45 *k* and *k'* are in fact two parts of one spring, and are attached to the frame A at any suitable point, *a''*.

From the above description the operation of this device will be readily understood by
 50 any one skilled in these matters, and its simplicity of structure, its cheapness of manufacture, its durability, and efficiency will be at once apparent.

Having now described my invention, what
 55 I claim is—

1. In a hand-stamp, the combination of the following elements, viz: the roller D, having the type secured on its face, as described, and pivoted in the frame C by its spring-actuated
 60 journal, the outer frame, A, in which frame C is pivoted, and the inking-rollers K K', journaled in slots in the end of frame A, and having springs attached to their journals, substantially as described.

2. The roller D, having the bands E at each end and the curved metallic strips F secured to said roller, as described, and each of said strips having curved ribs *f'* on its sides, as set forth, with the type H, grooved on each
 70 side at *h*, and the set screws I, substantially as and for the purposes set forth.

3. The combination of the curved strips F, having curved ribs *f'* on the side, and the type H, with the roller D, having bands E, and the
 75 metal flanges G, secured upon the surface of the roller and over the ends of the pieces or strips F, whereby the type are firmly secured in position upon the roller.

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

HENRY A. CADD.

Witnesses:

ALBION THORNE,
 WILLIAM J. SIBBISON.