

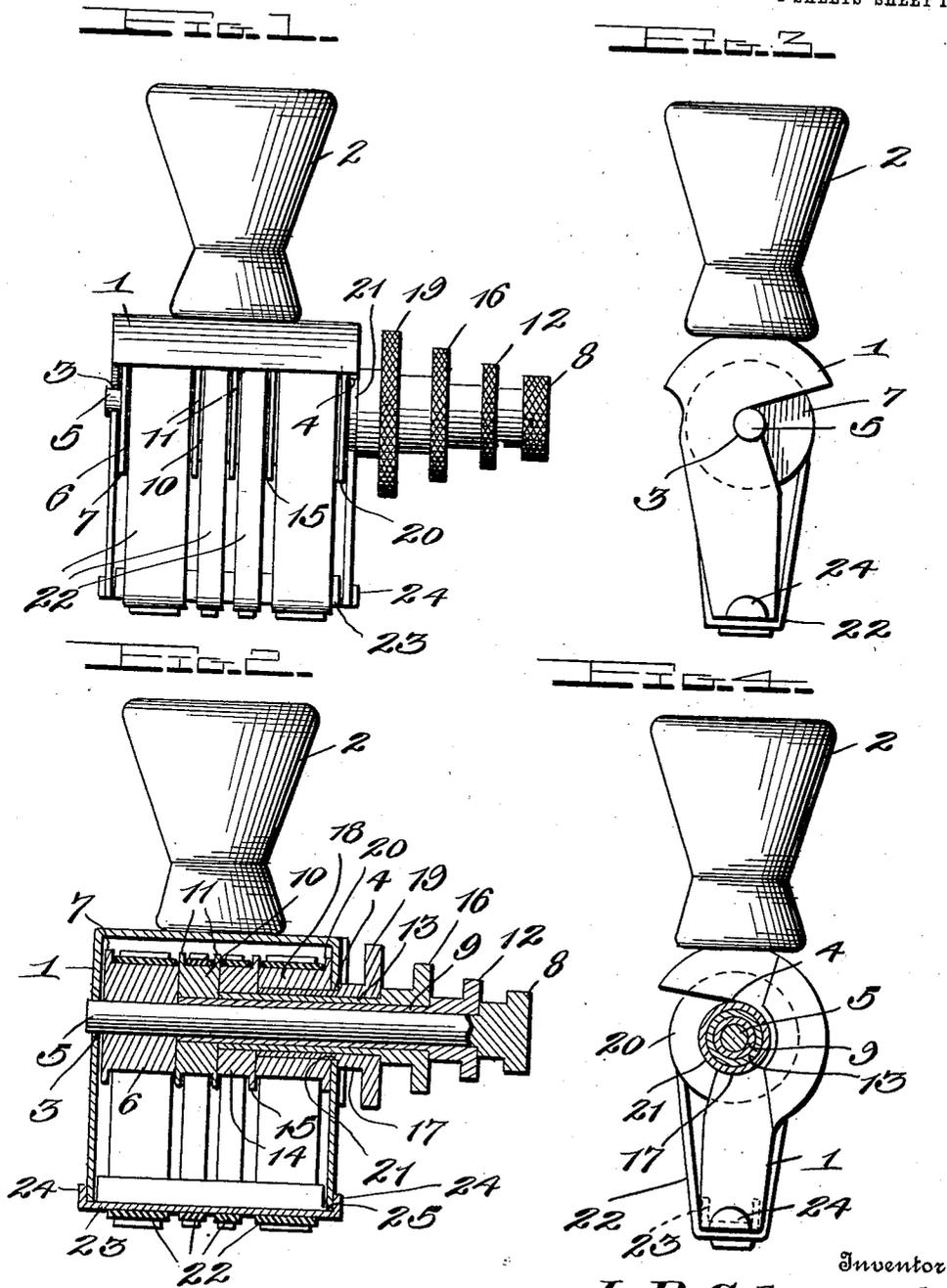
L. R. SCHMIDT.
STAMP.

APPLICATION FILED JULY 25, 1912.

1,069,192.

Patented Aug. 5, 1913.

2 SHEETS—SHEET 1.



Witnesses

Chas. L. Gruebauer.
A. B. Norton.

By

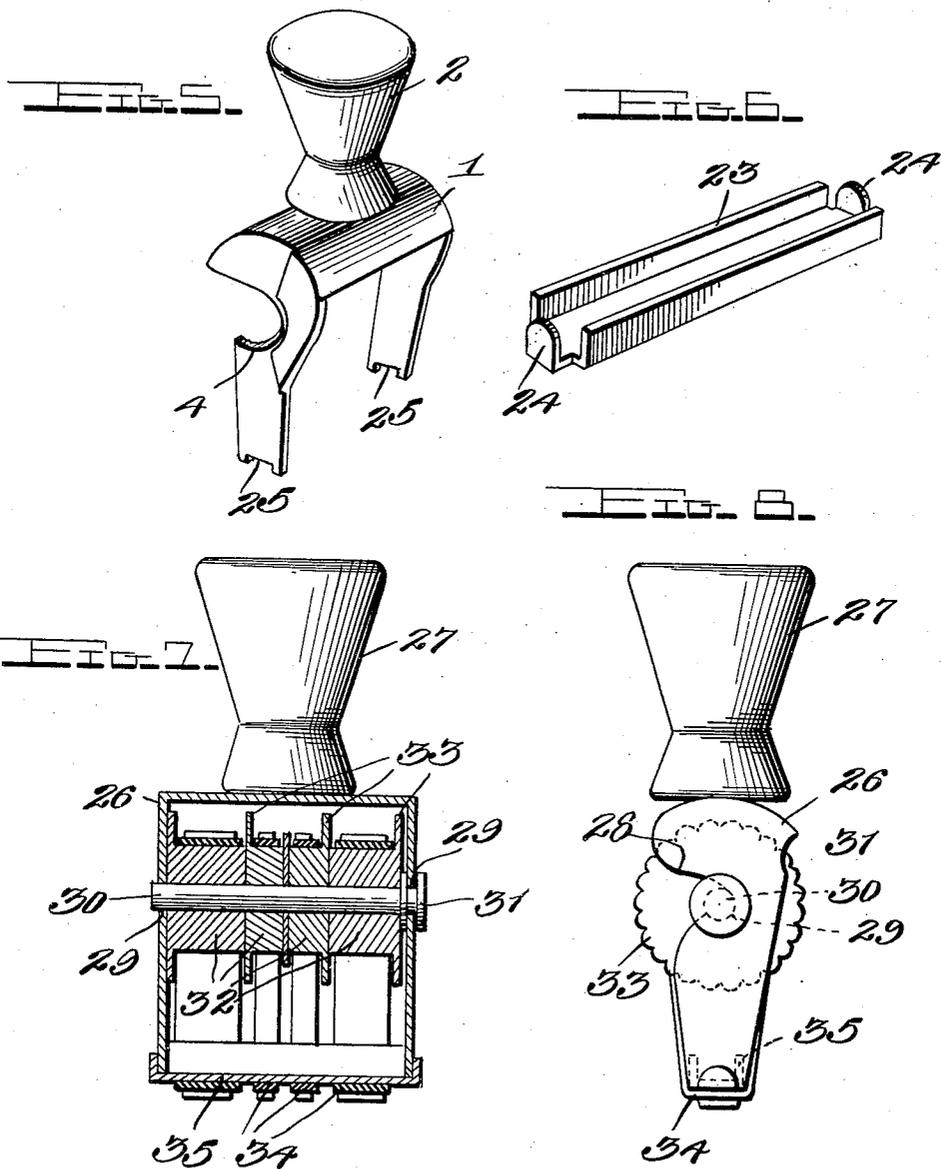
Watson E. Coleman
Attorney

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Witnesses

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UNITED STATES PATENT OFFICE.

LOUIS RICHARD SCHMIDT, OF SAN LUIS OBISPO, CALIFORNIA.

STAMP.

1,069,192.

Specification of Letters Patent.

Patented Aug. 5, 1913.

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To all whom it may concern:

Be it known that I, LOUIS RICHARD SCHMIDT, a citizen of the United States, residing at San Luis Obispo, in the county of San Luis Obispo and State of California, have invented certain new and useful Improvements in Stamps, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to new and useful improvements in hand stamps and more particularly to an improvement on my former application filed November 20th, 1911, Serial Number 661,275, and allowed June 18th, 1912, and the primary object of the invention is to provide a means whereby the fingers of the operator will not contact with the type bands in the operation thereof.

A further object of the invention resides in providing an improved frame for the device to allow the operating parts to be readily and quickly removed and replaced therein when it is necessary to change the type bands of the device and a still further object is to provide means whereby the operating mechanism of the type bands is securely held in position, under tension of said type bands.

Still another object of the invention resides in providing a device which is extremely simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claims.

In the accompanying drawings forming a part of this application, Figure 1 is a front elevation of the device. Fig. 2 is a vertical section therethrough. Fig. 3 is a side elevation of the same. Fig. 4 is an opposite side elevation of the device with parts in section. Fig. 5 is a perspective view of the frame member with the operating mechanism removed. Fig. 6 is a similar view of the bottom or pressure plate removed. Fig. 7 is a vertical section through a slightly modified form of the invention; and Fig. 8 is a side elevation of the latter form.

In describing my invention, I shall refer

to the drawings in which similar reference characters designate corresponding parts throughout the several views and in which 1 indicates a frame of substantially inverted U-shape design, such as is ordinarily used in devices of this character, the base or horizontal portion thereof being of considerable width and somewhat arcuate in design and secured to said latter portion, through any desired means, is a handle member 2. The arms of the substantially inverted U-shape frame 1, are cut-away or slotted from one side edge thereof and the slotted portion in one arm terminates in the small notch 3, while the other is formed into a larger notch or cavity 4 and adapted to be disposed through said notches 3 and 4, is a shaft 5. The one end of said shaft which is adapted to be received, in the smaller notch 3, has provided thereon, immediately adjacent the end thereof, a spool-like sleeve or cylinder 6, the one end of which is provided with a peripheral flange or the like 7 adapted to abut the inner face of the adjacent arm of said frame 1 and the opposite end of said shaft 5 which extends considerably beyond the opposite arm of the frame is also provided with a sleeve member 8, a portion of which is milled to be hand operated.

Telescoping the shaft 5 and extending for the greater portion of its length is a tubular shaft 9, the one end of which has mounted thereon an additional sleeve or cylinder 10, the ends of which are provided with peripheral flanges 11 one of which is adapted to abut the one end of the sleeve or cylinder 6 and the opposite end of said tubular shaft 9 is provided with a sleeve member 12 which abuts the sleeve member 8 of the shaft 5 and is slightly larger than the latter, but also milled to be readily operated by the hand. Telescoping the tubular shaft 9 is an additional shaft 13, which is provided on one end thereof with the cylinder 14, having the peripheral flange 15 at one end thereof, and the opposite end of said shaft 13 is provided with a sleeve 16, similar to the sleeve 12, but slightly larger than the same. This cylinder or sleeve-like member 14 abuts the cylinder 10, while the sleeve 16 abuts the sleeve 12 and mounted on said tubular shaft 13 is an additional sleeve-like portion or shaft 17 which has a cylinder 18 and a sleeve-like portion 19 formed thereon. The

cylinder 18 at one end thereof abuts the peripheral flange of the cylinder 14, and the opposite end of the same is also provided with a peripheral flange 20 which contacts lightly with the inner face of the arm of said frame 1 having the notch 4 therein. The sleeve-like member 19 which has a milled portion thereon slightly larger than the adjacent milled portion of the sleeve 16, is spaced slightly from the cylinder 18 and the space between the same is provided with an annular groove 21 which is snugly disposed in the enlarged notch 4 in the one arm of the frame 1. From this construction, it will be seen that the various cylinders may be independently rotated by the graduated portions of the sleeves mounted on that portion of the shaft 5, which projects beyond the one side of the frame 1.

The sleeve or cylindrical members 6, 10, 14 and 18 are each of the same diameter, but may be of varied lengths, as desired, and extending over each of the same is an endless elastic type band 22. These bands are also extended over a bottom of pressure plate 23 which is channel-shaped in design and has the ends thereof provided with upstanding lugs 24 which are spaced slightly from the ends of the side flanges of said plate. The free ends of the sides of the frame 1 are provided with notches 25 which are adapted to receive therein portions of the lugs 24, the upstanding portions of said lugs being disposed on the outer faces of said side arms and as said bands 22 are extended over this plate 23, under tension, it will be seen that said plate will be held securely to the frame and the shaft 5 with parts carried thereon securely held to said frame.

In practice, assuming that the device is set up for use, should it be desired to use the same, the operating sleeve members extending to the one side of the frame 1, are rotated until the desired characters on the bands 22, which are correspondingly caused to rotate, are positioned on the under face of the bottom plate 23. The bands may then be inked from a pad, as usual and used as desired. It will be seen, however, that should it be desired to change certain characters on the bands, said bands may be independently operated in such a manner that the fingers of the operator will not contact with said bands. Should it be found necessary to remove one of the type bands for any reason whatsoever, it will be seen that the operating mechanism may be readily moved from the frame by merely forcing upwardly and outwardly upon the extended end of the shaft 5 so as to remove the annular groove 21, in the member 17, from its engagement in the enlarged notch 4. With this portion of the operating mechanism removed from the notch 4, it will be readily

seen that the opposite end of the shaft 5 may be readily removed from the notch 3, which will allow the bottom plate 23 to be disengaged from the frame 1, thereby permitting the desired band to be removed from the respective cylinder. From this description of the manner of removing the operating mechanism, from the frame of the device, the manner of assembling the device will be obvious.

In Figs. 7 and 8, I have shown a slightly modified form of the invention wherein an inverted U-shaped frame 26 having the handle 27 thereon has the arms of the same slotted or cut-away as shown at 28, which slotted portions terminate in alining notches 29 identical with the notch 3 in the one arm of the frame 1, as shown in the other form. A shaft 30 extending transversely of the frame 26 is adapted to be removably mounted in the notch 29 and has a spool-like sleeve member 31 carried on the one end of the same, the peripheral flanges of said spool-like sleeve member being adapted to be disposed on opposite faces of one of the arms of said frame 26. Loosely mounted on said shaft 30 are a plurality of cylinders or sleeve-like members 32 which abut one another and completely fill the space between the arms of the frame 1. The one end of each of said cylinders or sleeve-like members 32 is provided with an enlarged disk or the like 33, the peripheral edge of which is corrugated, milled or otherwise roughened to be readily grasped by the hands of the operator and rotated, whereby the respective cylinder to which the same is secured may be rotated on the shaft 30. These disks 33, while forming a means whereby the respective cylinders or sleeve-like members 32 may be rotated on the shaft also form spacing means between said cylinders and extended over each of said cylinders, is an endless elastic type band 34. These type bands 34 are also extended over a bottom plate 35, identical with the bottom plate 23 in the other form and as said bottom plate and shaft are held in the frame, under tension, of said type bands, it will be appreciated that the same will be securely held in position and may be quickly removed, when desired.

From the foregoing it will be seen that I have provided a device which is extremely simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation and while I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described this invention, what I claim is:—

1. A hand stamp comprising a frame, a shaft loosely removably mounted therein, 5 cylinders mounted on said shaft, endless elastic type bands extending under tension over said cylinders and a portion of said frame to retain said shaft and cylinders thereon within the frame, and means to independently rotate said cylinders. 10

2. A hand stamp comprising a frame, a movable lower plate therefor, a shaft loosely removably mounted in the side walls of said frame, cylinders carried on said shaft 15 within the walls of said frame, endless elastic type bands extending under tension over said cylinders and said bottom plate to retain the latter and the shaft with the cylinders thereon on the frame, and means to independently rotate said cylinders in the 20 frame.

3. A hand stamp comprising a frame of substantially inverted U-shape design, the side walls thereof being provided with alining notches, a removable bottom plate for the frame adapted to be engaged with the ends of the side walls thereof, a shaft loosely removably mounted in the notches of 25 said side walls, cylinders mounted on said shaft between the side walls of said frame, endless elastic type bands disposed under tension over said cylinders and said bottom plate to removably retain the latter and the shaft carrying the cylinders on the frame, 30 means to independently rotate said cylinders and correspondingly cause said bands to be rotated on the frame, and a handle member mounted on the upper portion of said frame. 35

4. A hand stamp comprising a frame of 40 inverted U-shape design having the side walls thereof provided with alining notches extending from the side edges of the same, the lower free ends of said side walls being also provided with additional notches, a removable bottom plate for the frame provided with lugs at the ends thereof adapted 45 to be received in the additional notches of said side walls, a shaft loosely removably mounted in the first mentioned notches of 50 said side walls, cylinders mounted on said shaft between the side walls of said frame, endless elastic bands disposed under tension over said cylinders and the bottom plate for

the frame to removably retain the latter and said shaft thereon, means to independently 55 rotate said cylinders in the frame, and a handle member carried on the upper portion of said frame.

5. A hand stamp comprising a frame of inverted U-shaped design, the side walls 60 thereof being cut away from one edge thereof, said cut-away portions terminating in notches, the lower ends of the side walls being also provided with notches, a shaft loosely mounted in the first mentioned 65 notches, cylinders carried on said shaft between the side walls of the frame, a separable bottom plate for the frame having the ends thereof engaged in the lower end notches of said frame, endless elastic type 70 bands disposed under tension over said cylinders and said bottom plate to retain the latter and said shaft on the frame, and means to independently rotate the cylinders on said shaft and correspondingly cause said 75 bands to be rotated on the frame.

6. A hand stamp comprising a frame of inverted U-shaped design, the side walls of which are cut-away from one edge adjacent the upper ends thereof, said cut-away portions terminating in notches, the lower ends 80 of said side walls being also provided with notches, a shaft loosely mounted in the first mentioned notches of said frame, a plurality of cylinders carried on said shaft between the side walls of the frame, a separable bottom plate of channel-shaped design provided with laterally extending lugs 85 at the end thereof, said lugs being adapted to be received in notches of the side walls of said frame and having their extreme ends bent upwardly to contact with the outer 90 faces of said side walls, endless elastic type bands disposed under tension over said cylinders and over the bottom plate to removably retain the latter and said shaft in their 95 proper positions in the frame, and means to independently rotate said cylinders and correspondingly rotate said bands on the frame.

In testimony whereof I hereunto affix my 100 signature in the presence of two witnesses.

LOUIS RICHARD SCHMIDT.

Witnesses:

ERIC WICKENDEN,
FRANK FLETCHER.