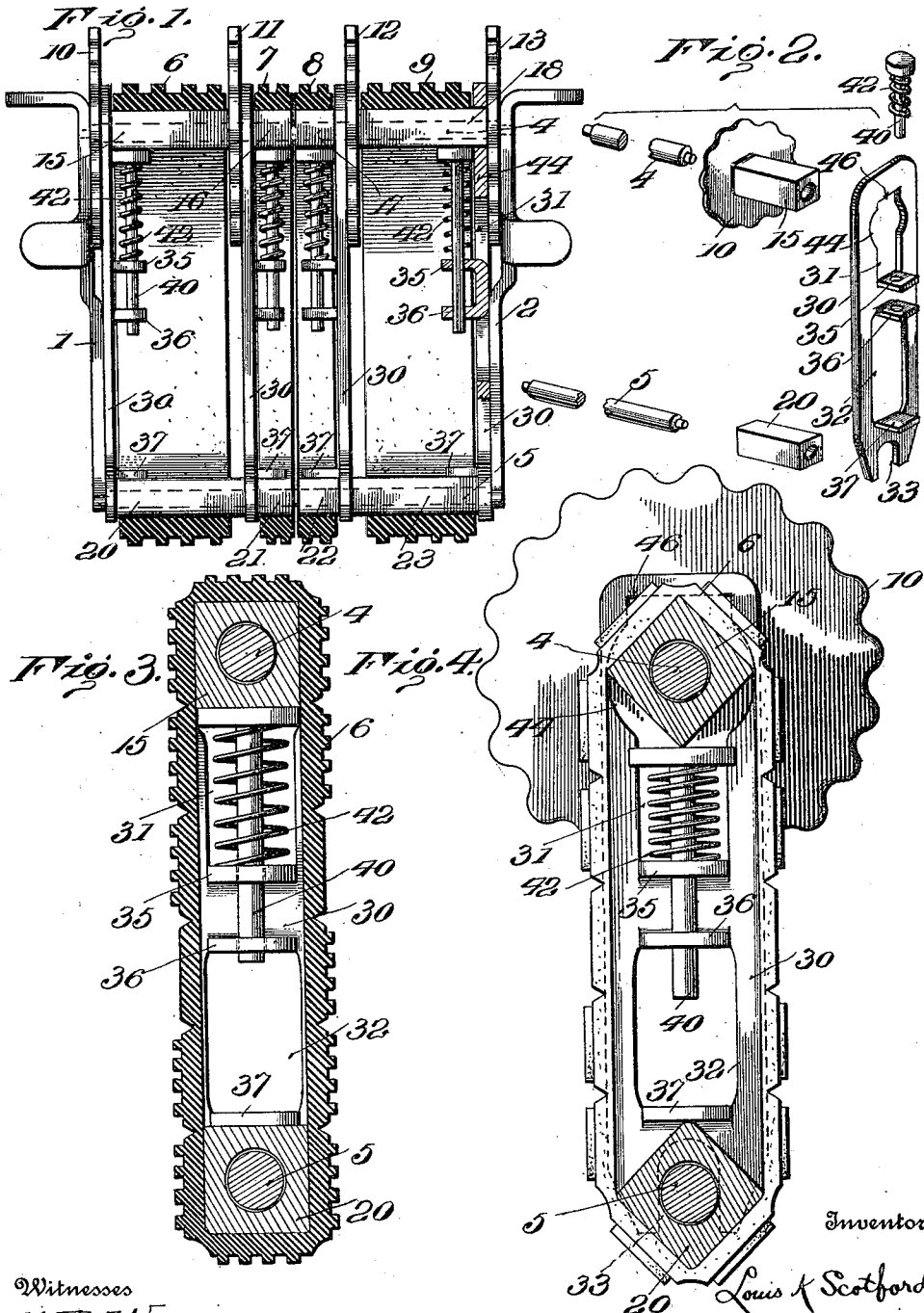


L. K. SCOTFORD.
HAND STAMP.
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1,143,445.

Patented June 15, 1915.



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HAND-STAMP.

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Specification of Letters Patent.

Patented June 15, 1915.

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To all whom it may concern:

Be it known that I, LOUIS K. SCOTTFORD, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hand-Stamps, of which the following is a specification.

This invention relates to improvements in hand stamps and more particularly to the means for supporting the endless bands and for holding the same in alinement.

The invention consists, in its preferable embodiment, of a type base or bridge comprising a series of rotatable members each having a plurality of faces combined with means for holding these faces in their adjusted positions, whereby the printing matter on the printing bands will be held in proper alinement.

In the drawings accompanying and forming part hereof: Figure 1 is a vertical central section of my improved means for supporting the type bands, with the bands in position, the right hand side frame being shown in section. Fig. 2 is a perspective view of some of the parts detached. Figs. 3 and 4 are vertical sectional views, on a much enlarged scale, one figure showing the bands in their adjusted position, and the other figure showing the bands in the position in which the bands are being adjusted.

Referring now to the details of the drawings by numerals: 1 and 2 represent the side arms of that form of type band support now used on what is known as a self-inking hand stamp, although it is obvious that my invention is not confined to use on that kind of a stamp. These arms 1 and 2 are connected together at their extremities by two rods 4 and 5 which are just the proper distance apart to support the bands. Usually, in a dating stamp, there are four bands, one for printing the month, two others for printing the days of the month and the fourth for printing the year. These bands are indicated in Fig. 1 by the reference characters 6, 7, 8 and 9 and these bands are provided with the usual thumb wheels 10, 11, 12 and 13 as commonly employed for this purpose. Generally these thumb wheels have connected to them the roller on which the type bands are supported but instead of using a roller, I employ a type support having a plurality of flat sides. As illustrated in my drawings,

the type supports are provided with four of these flat sides, the supports being designated by the numerals 15, 16, 17 and 18. The aforesaid rod 4 passes through all the supports 15, 16, 17 and 18, as indicated in Fig. 1, so that said supports may be turned upon the rods as occasion may require. The other rod 5 hereinbefore referred to likewise carries a series of flat sided supports 20, 21, 22 and 23. The bands 6, 7, 8 and 9 which are carried by the flat sided supports 15—18 and 20—23 are particularly formed to contact with the flat sided supports, and to that end the bands are provided with type whose bodies 24, for example, are each of the same length as one of the flat sides of the supports and the ends of the bodies 24 are formed of the shape shown in Figs. 3 and 4 so that when two of these bodies come together, there is a V-shaped recess. This construction makes it possible for the bands to turn with the flat sided supports in such a manner that the type on the bands 6, 7, 8 and 9 is always in its proper position on the appropriate flat side of the supports. Each type band is provided with a side frame 30, shown in perspective view in Fig. 2, and is provided with two slots 31 and 32 and an open ended slot 33. Each side frame 30 is also provided with three flanges 35, 36 and 37. A headed plunger 40 is arranged to have its stem pass through perforations in the flanges 35 and 36, the head of the plunger being in just the proper position to contact with the flat sides of the supports, a spring 42 being employed to hold the head of the plunger against one of the flat sides of the support. The slot 31 is provided with an enlarged recess 44 and the end of the slot 46 is of the exact shape to receive one of the flat sided supports when in the adjusted position. The flange 37 at the other end of each frame 30 is intended to have bear against it one of the flat sides of the supports 20—23, as indicated in Fig. 1. It follows from the construction just described that whenever the user of these stamps turns one of the thumb wheels 10—13, the appropriate flat-sided support 15—18 is also turned, and in turning the support is forced to assume the position shown in Fig. 4. In doing this, the spring pressed plunger 40 is forced downward, compressing the spring 42, the perforations in the flanges 35 and 36

permitting this movement. As a matter of fact, instead of the headed plunger 40 being forced downward in the side frame 30, the side frame is in reality moved the other way with the result that the flange 37 at the lower end of the frame simultaneously moves away from the printing supports 20—23 so as to permit the flat sided support at the lower end to move simultaneously with the movement of the flat sided support at the upper end, as seen in Fig. 4, the slot 33 permitting the side frame to move with respect to the rod 5 which passes through it.

From the foregoing and accompanying drawings, it will be seen that I have produced a type band support in which there is a type base or bridge comprising a number of independently movable supports each having a plurality of flat sides so arranged that whenever they are moved, the flat sides will spring into the proper position of alignment and the type be held in the alined position.

It is obvious that changes may be made without departing from the spirit of my invention as, for example, in changing the number of sides of the type supports. The type bands are also shown in Figs. 3 and 4 as having six printing characters and a blank, then six more printing characters and another blank. This may also be changed, but I prefer it in the case of bands for the months of the year for it enables me to mold the bands with six months on one side, six months on the opposite side, and two blank ends.

What I claim as my invention is:

1. In a hand stamp, a movable type band, a rotatable type base having a plurality of sides adapted to hold the type bands in proper alinement, a side frame having lugs projecting therefrom, and a spring pressed plunger carried by said lugs and co-acting with the sides of said rotatable type base to hold the same in position.

2. In a hand stamp, a movable type band, a rotatable type base having a plurality of sides adapted to hold the type bands in proper alinement, a side frame having an opening to receive said type base, and a spring co-acting to press said type base in said opening.

3. In a hand stamp, a movable type band, a rotatable type base having a plurality of sides adapted to hold the type bands in proper alinement, a side frame having lugs projecting therefrom, and a recess or opening for receiving the said type base, a spring pressed plunger carried by said lugs and co-

acting with said type base to force the same in said recess.

4. In a hand stamp, a movable type band, a rotatable support at each end of said band, each support having a plurality of sides adapted to hold the type on said band in proper alinement, a frame co-acting with said rotatable supports, and a spring pressed plunger carried by said frame and coacting with the flat sides of said rotary supports for normally holding said supports in adjusted positions.

5. In a hand stamp, a movable type band, a rotatable support at each end of said band, each support having a plurality of sides adapted to hold the type on said band in proper alinement, a side frame co-acting with said rotatable supports and having lugs projecting therefrom, and a spring pressed plunger carried by said lugs co-acting to hold said rotatable supports in position.

6. In a hand stamp, a movable type band, a rotatable support at each end of said band, each support having a plurality of sides adapted to hold the type on said band in proper alinement, a side frame having lugs projecting therefrom, and a spring pressed plunger carried by said lugs and movable against one of said supports to hold the same in position.

7. In a hand stamp, a series of movable type bands, a series of rotatable type bases movable on a common axis and each having a plurality of sides adapted to hold the type on said bands in proper alinement, combined with a spring pressed plunger for each type base, said plungers coacting with the sides of said bases and adapted to normally hold said bases and type bands in proper position.

8. In a hand stamp, a series of movable type bands, a series of rotatable type bases movable on a common axis and each having a plurality of sides adapted to hold the type on said bands in proper alinement, a frame for each type base and type band, one end of each frame having a rectangular recess, as 46, adapted to receive its type base, and a spring pressed plunger for each type base adapted to normally hold said bases in said recesses.

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

LOUIS K. SCOTFORD.

Witnesses:

M. L. WILLARD,
H. F. HACKER.