

No. 718,251.

PATENTED JAN. 13, 1903.

B. B. HILL.
HAND STAMP.

APPLICATION FILED AUG. 7, 1901.

NO MODEL.

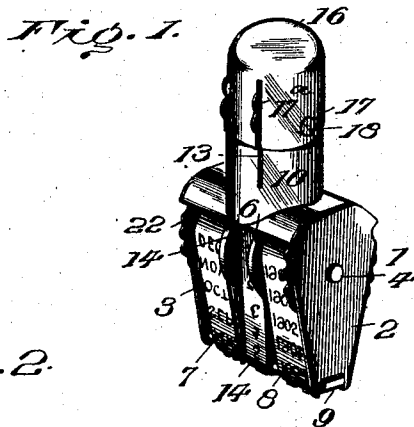


Fig. 2.

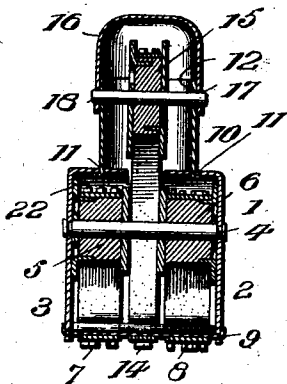


Fig. 3.

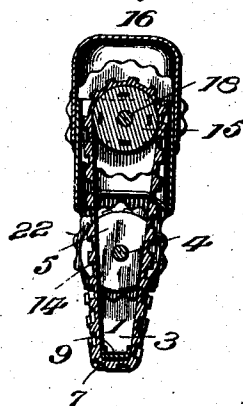


Fig. 4.

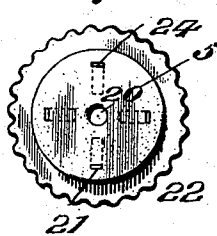


Fig. 7.

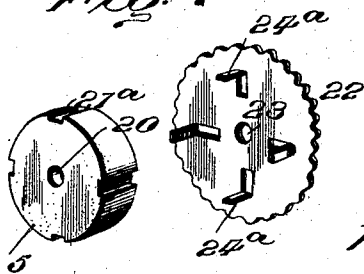


Fig. 5.

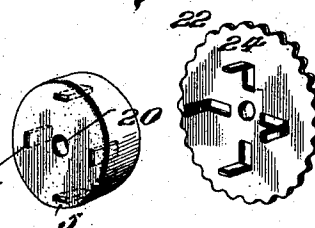
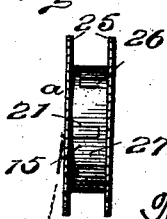


Fig. 6.



Witnesses

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B. B. HILL MANUFACTURING COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION.

HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 718,251, dated January 13, 1903.

Application filed August 7, 1901. Serial No. 71,211. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN B. HILL, a citizen of the United States of America, and a resident of 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.

The object of this invention is to provide an improved hand-stamp of that character known as "daters," and particularly to that class in which a single band instead of a pair is used to imprint or stamp the day of the month. Most of the stamps of this character have had a pair of extra drums for the band to pass over, so as to cause the band to double on itself in order to make it fit within the same length of space occupied by the shorter year and month bands. The present invention, however, overcomes the objections heretofore inherent in this stamp by journaling the upper drum for the long day-band up in the handle, which is made hollow for this purpose.

Another object of my invention is to provide a simple drum for the bands.

With these objects in view my invention consists in the peculiar construction, arrangement, and combinations of parts hereinafter more particularly described and then definitely claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved stamp. Fig. 2 is a vertical central section. Fig. 3 is a similar section taken at right angles to that shown in Fig. 2. Fig. 4 is a face view of one of the drums. Fig. 5 is a perspective view of parts of the same detached. Fig. 6 is an end elevation of the central drum, and Fig. 7 is a similar view to Fig. 5 of a modification.

Referring to the details of the drawings by numerals, 1 indicates the usual or any desired form of frame, comprising parallel side arms 2 and 3, through which passes the usual spindle 4, on which are journaled the drums 5 and 6, carrying the month and year bands 7 and 8. The usual type base or bridge 9 is attached in the ordinary manner to the lower ends of these parallel side arms and affords the lower support for the type-bands. Instead of screwing the usual handle on the frame 1, I secure

thereto a tubular or cylindrical handle 10, which is riveted to the handle, as seen at 11. This tubular extension or handle 10 is perforated at 12 and slotted at right angles to the line of said perforations, as shown at 13. The upper end of the long day-band 14 is inserted into this tubular part 10 and slipped over a drum 15 before the lower ends of the bands are secured in place. A cap 16, perforated at 17 and slotted at 17^a, is then slipped over the tubular portion to form a finish to the handle, and a spindle 18 is then inserted through the perforations and the drum, and thus secures the drum and the cap in place. The lower ends of the bands and the drums for the month and year bands are now secured in place in the usual manner. I also use a novel form of drum in this stamp, which comprises the drum proper, 5, which may be punched from strawboard or formed of compressed fiber or any suitable material and has the usual central perforation 20, by which the drum is secured to its spindle, and a series of perforations 21, forming a means for securing the drum to its thumb-wheel. The sheet-metal thumb-wheel, by means of which the drum and its type-band are turned, is indicated by the numeral 22, and this thumb-wheel also has the usual central perforation 23, coinciding with the perforation 20 in the drum. Spurs or lugs 24 are punched from the thumb-wheel and project at right angles thereto, as clearly shown. The drum and thumb-wheel are connected together by pressing the spurs or lugs 24 through the perforations 21 in the drum, so as to hold the thumb-wheel and drum together and, in reality, form a combined drum and thumb-wheel.

In Fig. 7 I have shown a modified form in which recesses 21^a are formed on the periphery of the drum, in which recesses the spurs or lugs 24^a pass, and thereby secure the drum to the thumb-wheel. It is preferable, however, that the recesses be sufficiently deep to embed the spurs or lugs, so as to cause no friction when the bands are turned by the drums.

In Fig. 6 I have shown the central upper drum as consisting of a sheet-metal thumb-wheel 25 on each side of the drum, and each

thumb-wheel has lugs or spurs 26, which are embedded into or passed through the drums 27.

It is obvious that one of these constructions is the equivalent of the other, although the first is the form I prefer, and I therefore intend the following claims to cover all of the constructions shown, and where I use the word "embed" in the claims I intend it to cover the spurs or lugs, whether they are embedded in recesses, as shown in the modification, or passed through slots, as shown in Figs. 1 and 2.

I am aware that it is very common to make these drums and thumb-wheels by having separate rivets or pins, which pass through both the drum and thumb-wheel and rivet one to the other and, therefore do not claim such as my invention. I also acknowledge that it is old to use spurs or projections which pass from the thumb-wheel slightly into the drum for the purpose of preventing lateral or rotary motion, as seen in United States Patent No. 682,239; but the projections of this patent do not serve the purpose of securing the drum to the thumb-wheel, but are merely supplemental to the securing means, which is the central tube, and without said tube the projections are useless. I am also aware that it is not new to use a long single day-band which passes up into the handle, and therefore do not claim this broadly.

What I claim as new is—

1. In a hand-stamp; the combination of a main frame having type-drums therein and a type-base at or near its lower end; type-bands supported by said drums and type-base; a hollow handle connected with said main frame and having a slot therein; a drum journaled in said handle and having its thumb-wheel passing through the slot in said handle; one of the type-bands which passes around said type-base extending upward into the hollow handle and passing around the drum therein; and a removable pin passing through the hollow handle and the drum therein and thereby securing these parts together, substantially as described.

2. In a hand-stamp and in combination with a main frame having substantially parallel side arms and a type-base at the lower end of said side arms; type-drums supported by said side arms between the same and hav-

ing type-bands passing around them and said type-base; a hollow handle connected with said main frame and having a slot therein; a drum journaled in said handle and having its thumb-wheel passing through the slot in said handle; a type-band extending upward into the hollow tubular handle and passing around the drum therein and also around the type-base at the lower end of the parallel side arms of the main frame; and a removable pin passing through the hollow handle and the drum therein and thereby securing these parts together, substantially as described.

3. In a hand-stamp, a frame having a hollow handle, type-bands supported in said frame, one of which enters said handle, a drum journaled in the handle and supporting the band that enters therein, a cap, and a spindle securing said cap and drum in position.

4. In a hand-stamp, a frame having a slotted handle, a drum journaled therein and supporting a type-band, a slotted cap, a spindle passing through said cap, hollow handle and drum, and a thumb-wheel carried by said drum and passing through the slots in said handle and cap.

5. In a combined drum and thumb-wheel for hand-stamps, a thumb-wheel having integral spurs or lugs projecting therefrom, and a drum having the spurs or lugs embedded therein, the spurs or lugs thereby forming the sole means of attachment for securing the drum to the thumb-wheel, substantially as described.

6. In a combined drum and thumb-wheel for hand-stamps, a thumb-wheel having spurs or lugs punched therefrom and projecting substantially at a right angle thereto, and a drum having openings or recesses therein, the aforesaid spurs or lugs being embedded in said openings or recesses and thereby forming the sole means of attachment for securing the thumb-wheel to said drum, substantially as described.

Signed by me at Philadelphia, Pennsylvania, this 25th day of July, 1901.

BENJAMIN B. HILL.

Witnesses:

JOHN M. SNYDER,
H. G. WARRINER.