

(No Model.)

A. J. BRADLEY.
ALPHABETICAL PRINTING STAMP.

No. 453,609.

Patented June 9, 1891.

Fig. 1.

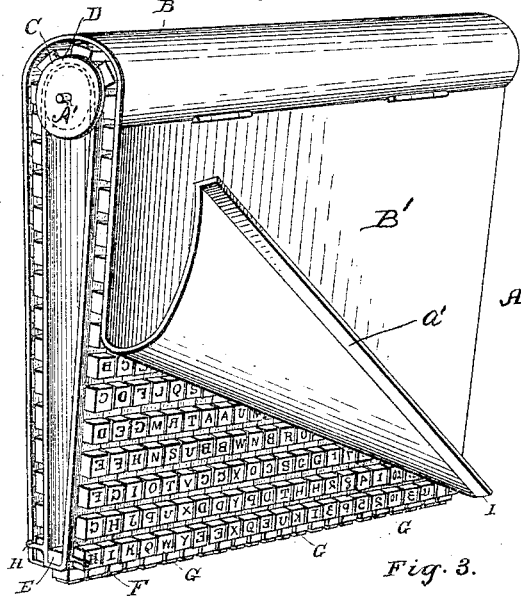


Fig. 2.

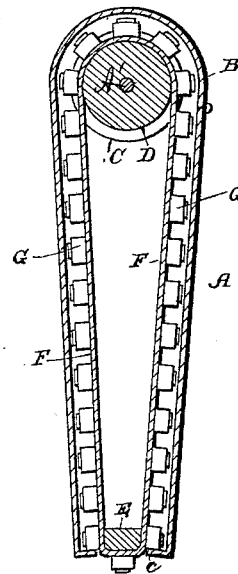


Fig. 3.

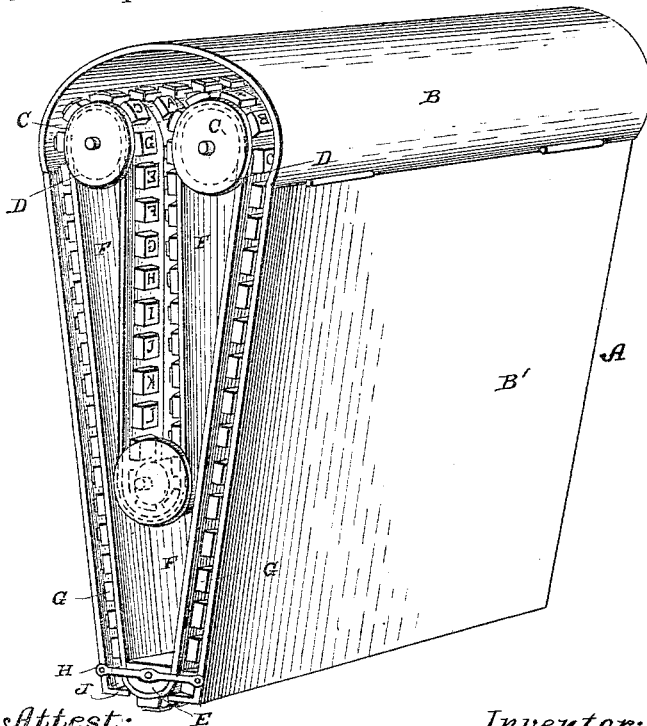
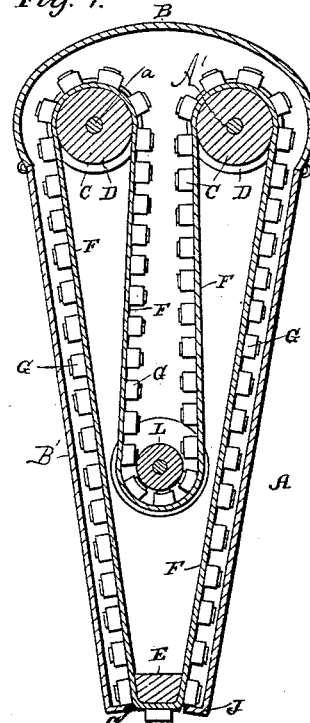


Fig. 4.



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UNITED STATES PATENT OFFICE.

ANDREW JACKSON BRADLEY, OF ST. LOUIS, MISSOURI.

ALPHABETICAL PRINTING-STAMP.

SPECIFICATION forming part of Letters Patent No. 453,609, dated June 9, 1891.

Application filed March 13, 1890. Serial No. 343,796. (No model.)

To all whom it may concern:

Be it known that I, ANDREW JACKSON BRADLEY, a citizen of the United States, residing at St. Louis, State of Missouri, have invented a new and useful Improvement in Alphabetical Printing-Stamps, of which the following is a full, clear, and exact description.

My invention relates to improvements in printing-stamps; and it consists in the combination and arrangement of parts, as herein set forth, wherein a number of bands having suitable type secured thereon are placed side by side on a roller and bridge, the said roller being properly journaled in a frame having covers to inclose the sides thereof and secure said bands in position.

Figure 1 of the accompanying drawings represents a perspective view of a stamp embodying my invention, the side portion of the frame being removed to show the interior of the device. Fig. 2 represents a vertical sectional view on line *x x*, Fig. 1. Fig. 3 represents a modification in which several rollers are employed, so as to use longer bands and larger letters. Fig. 4 represents a vertical sectional view of the modification shown in Fig. 3.

Similar letters refer to similar parts in the different views.

A represents a hand-stamp having a frame formed of side pieces and a rounded top or handle portion B. The lower ends of the side pieces are connected by the bridge E, and journaled in the upper ends of the side pieces is the shaft A', having mounted thereon the rollers D, which are of the width of the alphabet-bands F. The said rollers B are provided with a burr or washer C a little larger in diameter than the rollers, so as to reliably keep the band on the roller. The endless bands F, having suitable (preferably rubber) type G thereon, pass around the rollers and the bridge E.

Hinged to the lower edge of the top or handle portion B of the frame are covers B', the lower ends of which are provided with flanges *a'*, inwardly projecting, so as to be adapted to closely embrace the bands, and thereby prevent the same from rotating while the printing is being done.

H represents a locking or clamping device

secured to the frame and adapted to fasten the covers B' in place.

The bands are mounted loosely on the rollers and bridge, so as to be readily turned thereon by hand when desired, the rollers lessening the friction. When it is desired to print a name or word or words the first end band is turned by catching hold of the same between the bridge and the roller (the covers being raised) and moving the same until the proper type is on the bridge E. The second band is then operated until the next letter of the word is on the bridge, and each successive band is operated until the type for the entire word or words is in place. The remaining bands, if any, are then moved until blank spaces on the same are on the bridge. The covers are then closed and locked, so that the bands are held tightly in place.

When it is desired to use longer bands, several shafts with rollers therein may be employed, as shown in Figs. 3 and 4, two of the shafts with their rollers being placed in the upper part of the frame or in the handle portion and a third shaft journaled in the side pieces and having rollers thereon. The bands are loosely placed about the rollers on the said shafts and the bridge, as shown in said Figs. 3 and 4, it being noticed that the type bears against the lower rollers, and so preferably must be of elastic material in order to lessen the liability of damage or injury to the same. The type on the bands are formed, as shown, so as to present above the band a shoulder *c* of sufficient size to permit the lower edge of the covers B' to properly align the type when the said covers are closed.

I am aware that it is not new to provide a stamp with bands having type thereon, and such I do not claim; but I am not aware that particular constructions of parts, as herein set forth, and whereby efficiency and accuracy of operation are obtained are old.

What I desire to claim and secure by Letters Patent is—

1. A printing-stamp having a frame with handle portion and side pieces, a shaft with rollers thereon, a bridge connected with said pieces, bands with type thereon on said roller and bridge, covers hinged to the handle and adapted to close against the bands, and lock-

ing devices for said covers, said parts being combined substantially as described.

2. In a printing-stamp, a frame with a shaft and bridge, a roller having its journal-bear-
5 ings in the side pieces and between the said shaft and bridge, an endless band with type thereon, and covers hinged to the frame and adapted to bear against the type and band when closed, the said type having shoulders,
10 as described, said parts being combined substantially as and for the purpose set forth.

3. In a printing-stamp, the combination of a frame having a handle portion and side

pieces, one or more shafts, and a bridge connected with said side pieces, rollers on said 15 shafts, endless bands of flexible material with elastic type thereon on said rollers, washers between said rollers, and covers hinged to said handle portion of the frame and having their lower edges adapted to bear against shoulders 20 on said type, substantially as and for the purpose set forth.

ANDREW JACKSON BRADLEY.

Witnesses:

JAMES REGAN,

J. H. STEVENSON.