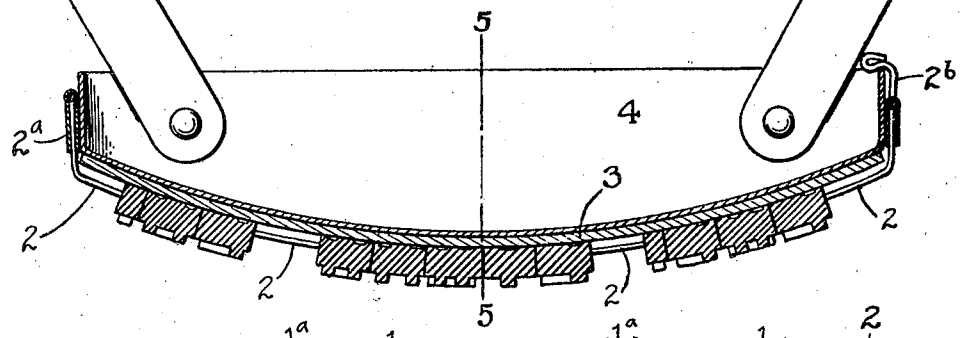
W. S. BING.

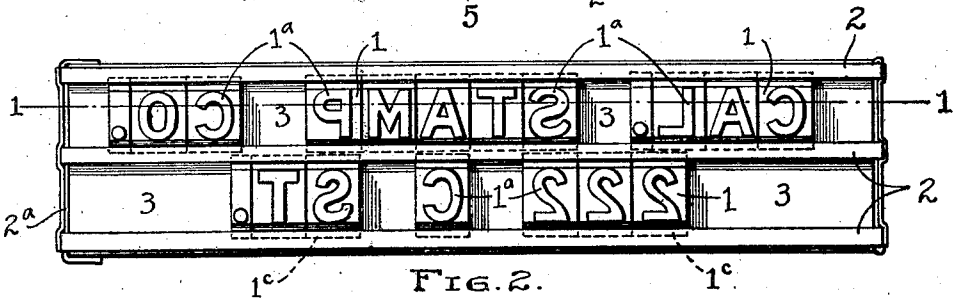
PRINTING DEVICE.

APPLICATION FILED JUNE 19, 1919.

1,437,711. Patented Dec. 5, 1922.

FIG. 1.




1
1
1
1
1
1
2
2
2
2
3
3
3
3
1
1
1
1
1

Patented Dec. 5, 1922. 1,437,711

UNITED STATES PATENT OFFICE.

WILLIAM S. BING, OF SAN DIEGO, CALIFORNIA.

PRINTING DEVICE.

Application filed June 19, 1919. Serial No. 305,319.

To all whom it may concern:

Be it known that I, WILLIAM S. BING, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented a certain new and useful Printing Device, of which the following is a specification.

My invention relates to printing devices in the form of rubber type where a separate member is used for each character and said members are interchangeable and the objects of my invention are: first, to provide a printing device of this class in which the separate characters are easily placed in position without the reading of the type wrong side up or wrong side to; second, to provide a printing device of this class with a resilient backing for the type to provide for printing on rough and uneven surfaces; third, to provide individual type with the character on both sides of the type so that it may be readily read right side up and placed in position in that form; fourth, to provide a novel type structure; fifth, to provide novel means for supporting the type in position and sixth, to provide a device of this class which is simple and economical of construction, durable, easy to operate, easy to install and in which the type are easily positioned.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination and arangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims reference being had to the accompanying drawings and to the characters of reference thereon which form a part of this application, in which:

Figure 1 is a sectional view of my device in the preferred form through 1—1 of Fig. 2; Fig. 2 is a bottom view of the device showing some of the type in position therein ready for printing; Fig. 3 is a longitudinal sectional view of a fragmentary portion of the device shown open ready for placing the type in position with some of the type in position; Fig. 4 is a top view of a fragmentary portion of the device as shown in Fig. 3; Fig. 5 is a transverse sectional view through 5—5 of Fig. 1; Fig. 6 is a perspective view of one of the type members and Fig. 7 is a similar view from the opposite direction.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawings.

The type member 1, type supports 2, backing pad 3, and base member 4 constitute the principal parts and portions of my printing device.

The type member 1 is preferably a resilient member but may be metallic if desired. It is provided with a printing character 1^a extending from its face and with the same reference character 1^b showing on the back so that the type may be read and set from the back side in its proper form, shape and position. It is provided with oppositely disposed extended sides 1^c which are adapted to engage the support 2 for holding the type in position. The supports 2 are preferably metallic straps of approximately twice the width of the lugs 1^c and united at the ends forming a frame. This frame is hinged at one end by means of hinges 2^a, and at its opposite end is provided with latches 2^b adapted to extend over the edge of the base member 4 for holding the members 2 in position. Mounted between the back surface of the type when in position and the base member 4 is a resilient cushion or backing 3 which rests against the back side of the type and holds them in position, but permit their depression when extraordinary pressure is brought to bear against any particular portion of the type line. The base member 4 is preferably metallic and may be flat or curved surface as desired, (the shape of this base member being no part of my present invention.

Though I have shown and described a particular construction, combination and arrangement of parts and portions I do not wish to be limited to this particular construction, combination and arrangement but desire to include in the purview of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

It is obvious that with this construction there is provided a printing device in which the type may be placed in position and read from the back side in the regular form so that the type are easily positioned. That there is provided a resilient pad back of the type thus permitting some of the type to give in printing on uneven surfaces. That the type are readily placed in line in their

proper position and the lines of type supported against the resilient back.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is:

1. A device of the class described, including a wholly resilient stamp member provided with an integral resilient type character extending from the one side thereof, and provided with a similar type character positioned on the back of said stamp member, and similarly positioned and provided with tapering end walls extending from the face of said type backwardly at opposite sides, oppositely disposed flanges on said member at the back side for supporting the same, a curved surface base member, a resilient pad positioned against the outer curved surface of said base member and a plurality of resilient strap members secured together at their ends only with one end hinged to said base member adapted to extend over the curved surface of said base member and bear against the base of said flanges on said stamp member for supporting said stamp member in position.

2. A device of the class described, including a longitudinally curved base member, a plurality of straps pivotally mounted on one end and extending longitudinally over the face of said base member, latch means for supporting them at their other ends, resilient stamp members provided with resilient type with facsimile characters on their front and back surfaces provided with oppositely disposed flanges adapted to be engaged by said strap for supporting said strap members in position and handles positioned on opposite ends of said base member.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 14th day of June, 1919.

WILLIAM S. BING.