June 3, 1924. 1,496,734

W. J. PANNIER, JR

STAMP

Filed Oct. 31, 1921 2 Sheets-Sheet 1

Fig. 1

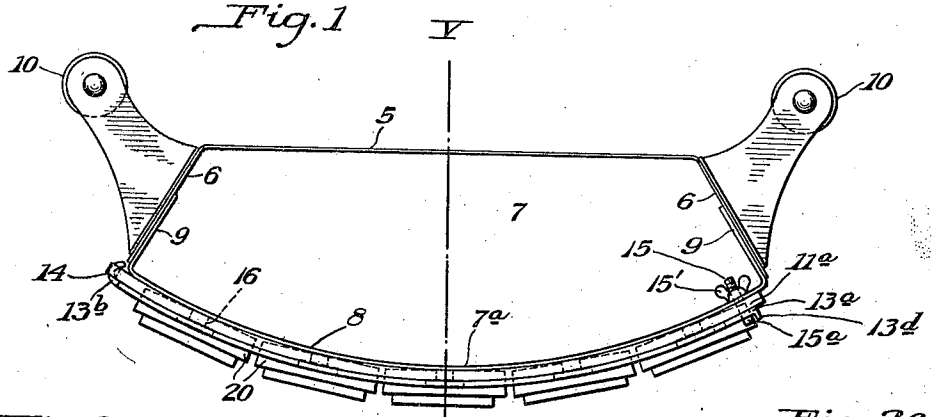


Fig. 2

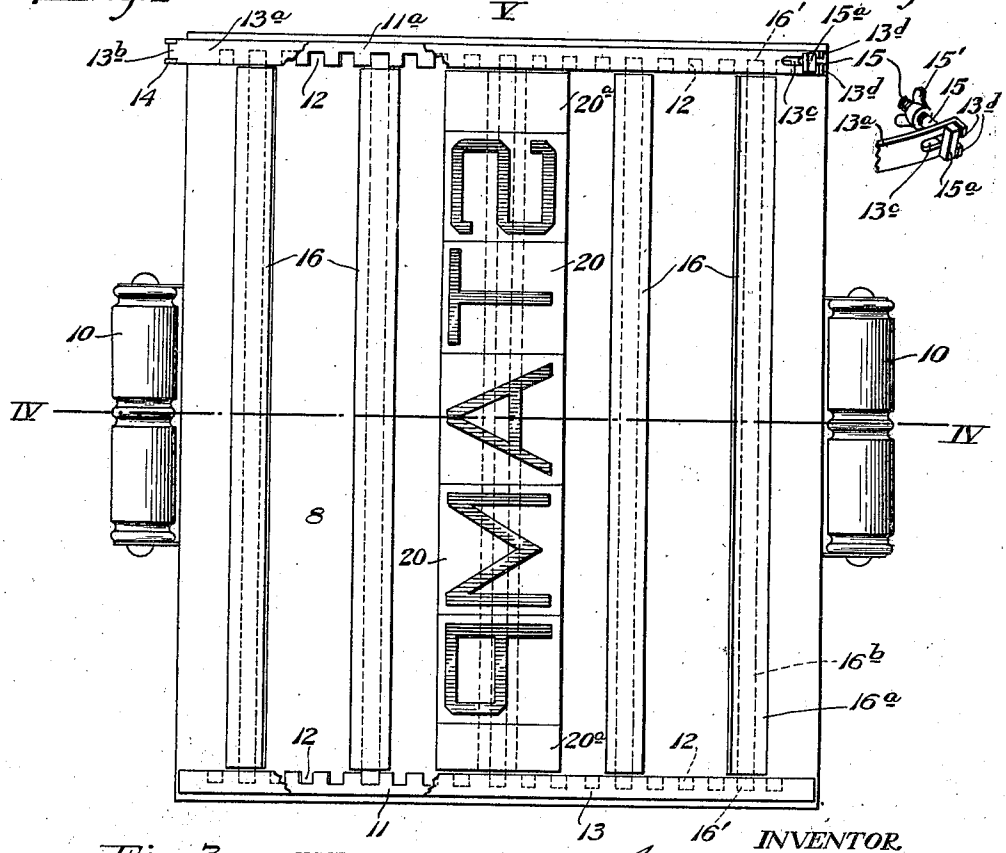
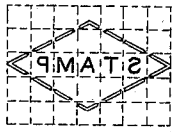


Fig. 2a

Fig. 3



INVENTOR.

William J. Pannier Jr.

by O. M. Clarke

attorney

June 3, 1924. 1,496,734

W. J. PANNIER, JR

STAMP

Filed Oct. 31, 1921 2 Sheets-Sheet 2

Fig. 4

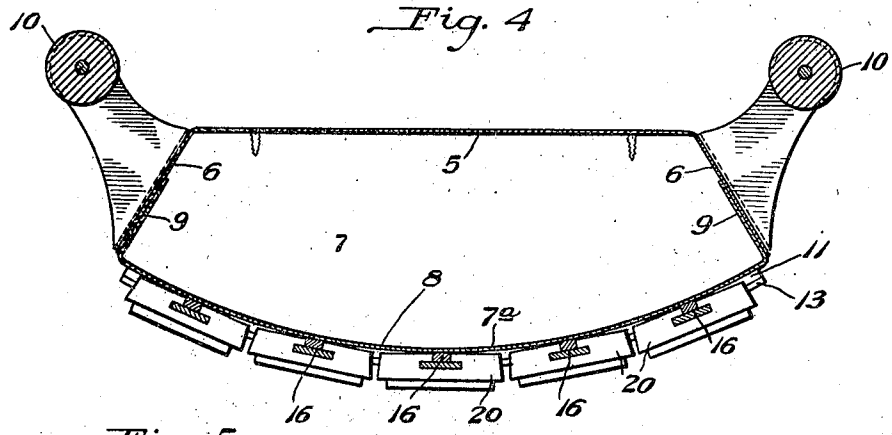


Fig. 5

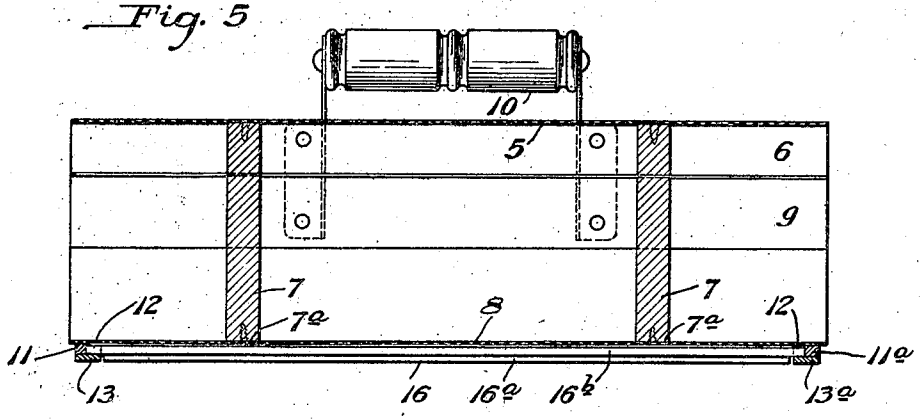


Fig. 6

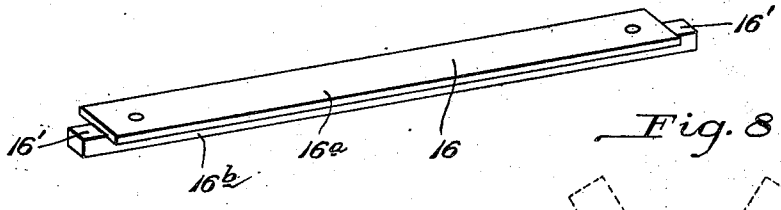


Fig. 7

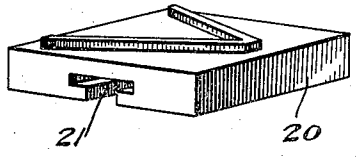
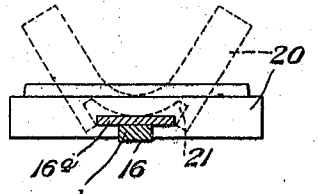


Fig. 8



INVENTOR.

William J. Pannier Jr

by C. M. Clarke

Attorney

Patented June 3, 1924. 1,496,734

UNITED STATES PATENT OFFICE.

WILLIAM J. PANNIER, JR., OF PITTSBURGH, PENNSYLVANIA, ASSIGNOR TO PANNIER BROS. STAMP CO., OF PITTSBURGH, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

STAMP.

Application filed October 31, 1921. Serial No. 511,588.

To all whom it may concern:

Be it known that I, WILLIAM J. PANNIER, Jr., a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Stamps, of which the following is a specification.

This invention is for a hand stamp of the kind used in various commercial establishments in place of a stencil for marking products which are being manufactured or shipped, such as sheet metal, metal plates, boards or boxes, and the like.

A primary object of the invention is to provide a stamp constructed in such a way as to be capable of use with sets of type members of different sizes in such manner that the spacing of the letters will always bear the same proportion to the size of the letters. That is, that a set of large or small or intermediate sized letters may be used on the one stamp, and the same proportion between the spacing of the letters relatively to the size of the letters can be maintained, so that the appearance or design of the lettering and other marking will be the same, irrespective of the size of the letters used.

A further object is to provide removable and interchangeable type holding means in a stamp of this kind, so that the lettering or arrangement of type may be changed and one marking substituted for another, while it is not necessary to disturb the individual letters or characters, so that when a given arrangement of type is removed from the stamp, it may be laid to one side and reinserted when the necessity demands, without necessitating resetting a number of individual letters or characters.

A still further object is to provide a stamp in which the letters or characters forming the type are in the form of individual units which can be separately removed without disturbing the other characters in the stamp.

Further objects are to provide a stamp which is simple and rugged, and which is well adapted to the hard usage to which a stamp for this purpose is necessarily subject.

My invention may be understood by reference to the accompanying drawings, in which:

Fig. 1 is a side elevation of the stamp;

Fig. 2 is a bottom plan view thereof;

Fig. 2ª is a detail view of a releasable holding means for one of the type bar retaining strips;

Fig. 3 is a view on a smaller scale, illustrating how the lettering may be associated with some characteristic marking;

Fig. 4 is a longitudinal vertical section on line IV—IV of Fig. 2;

Fig. 5 is a transverse vertical section on line V—V of Fig. 1;

Fig. 6 is a detail view showing in perspective one of the type holding strips or bars;

Fig. 7 is a perspective view of one of the type members;

Fig. 8 is a detail view showing the manner of inserting or removing a single type member without disturbing the other type members with which it is associated.

In the drawings, 5 indicates a body member which preferably comprises a single piece of relatively heavy sheet metal having downwardly bent end portions 6. Secured to the under side of the body member 5 are spaced apart longitudinally extending brace members 7 which are preferably made of wood and have arcuate bottom edges 7ª. The bottom portion of the stamp body preferably comprises another piece of sheet metal having a curved bottom portion 8 conforming to the shape of the bottom 7ª of the cross pieces 7, and having upwardly and inwardly extending end portions 9 which are riveted or otherwise secured to the end portions 6 of body member 5. Secured on the sloping ends of the hollow body so formed are handles 10. It will, of course, be understood that I do not necessarily limit myself to a body formed in this particular manner.

Secured to the curved bottom 8 at each side thereof, are strips of metal 11 and 11ª having notches 12 formed therein, the notches being spaced at a certain predetermined uniform distance. Fixed on the strip 11 is a flat retaining strip 13 which serves as a cover for the notches in strip 11.

Strip 11^a has a notch 14 at the end thereof, and a strip 13^a corresponding to strip 13 is adapted to be detachably secured on strip 11^a. A hook 13^b on one end of strip 13^a engages in the notch 14 to hold one end of strip 13^a in place. The other end of the strip 13^a may be formed as shown in Fig. 2^a with a slot 13^c therein. Retaining lips 13^d may be formed at the ends of the strip at each side of the slot. A bolt 15 having an elongated head 15^a, the width of which head is slightly less than that of the slot, passes through the body of the stamp, and the inner threaded end is provided with a wing nut 15'. The head 15^a of the bolt is normally positioned transversely of the slot 13^c to hold the end of strip 13^a in place, the wing nut being tightened to hold the bolt from movement. To detach the strip 13^a, the wing nut 15' is partially unscrewed until bolt 15 can be turned to bring the head 15^a in alinement with slot 13^c, when the end of strip 13^a may be pulled away and the hook 13^b then disengaged from notch 14. The strip 13^a can be attached and removed, therefore, merely by manipulating one bolt and nut, and without entirely removing the bolt.

A plurality of T-shaped type holding bars 16, which may be integral or formed of two pieces 16^a and 16^b, are provided to extend across the bottom 8. These bars are held in spaced relation in the stamp body by means of extensions 16' thereon, which are received in the notches 12. They can be secured in place and removed by tightening or removing strip 13^a. By putting the bars 16 in the proper notches, they can be properly spaced from one another.

The type members 20 are preferably made of soft rubber. They are in the form of a block having a T-shaped slot 21 on the under side thereof for embracing engagement with the T-shaped type bars 16. They may be placed on the type bars 16 when the bars are removed from the stamp by sliding them over the ends of the bars. They can also be inserted and removed at any time by bending them to the shape shown in Fig. 8. Thus, if a certain set of characters is arranged in the stamp, and it is desirable to change just a single character, such, for instance, as a numeral, it can be quickly and readily done without disturbing the other letters or type members. The type members 20 are arranged on the bars 16 in any suitable way, as in rows, as shown in Fig. 2. Spacers or fillers 20^a similar to the type blocks but having no printing projections thereon are also provided.

In practice, it is contemplated that sets of type of different sizes be furnished with each stamp. The size of the type blocks will be in proportion to the spacing of the notches 12. When large letters are being printed, the type bars are set further apart than where small letters are being used. When smaller letters are used, the bars 16 are moved closer together, and in this way, the proper proportion in the spacing of the letters, relatively to the size thereof, can be maintained.

As it is contemplated that each set of type will include type members which can be arranged on the type bars to form various patterns, such as that shown in Fig. 3, so that distinctive markings may be printed in conjunction with the letters, and inasmuch as it is contemplated that the letters can be arranged in different distinctive ways, the importance of having the type bars so arranged as to permit of adjustment with the use of different sized type will be apparent. If the same proportions and relative positions of the letters could not be maintained with different sizes of type, the same distinctive arrangements of letters or letters and characters could not otherwise be kept with a change of the size of the type. It will thus be seen that the stamp is readily adaptable for use with interchangeable sets of type of different sizes.

Furthermore, by having the type bars 16 removable, and by supplying extra type bars, the bars with type thereon can be removed and laid away until it is desired to use that particular marking which they made and without disturbing the type members, and other bars with different type thereon can be set in the stamp. This eliminates the necessity for setting up the type every time a certain frequently used marking is to be made.

In using the stamp, it is first pressed over an ink pad and the type are all inked by rocking it. Then the stamp is placed over the article to be marked and rocked while being pressed against the article.

I claim:

1. A stamping device comprising a body having a type supporting face thereon, a plurality of type holding bars and means for mounting them in spaced relationship thereon, and flexible type members removably straddling the bars.

2. A stamping device comprising a body having a type supporting face thereon, a plurality of T-shaped type holding bars and means for mounting them in spaced relationship thereon, and flexible type members having T-shaped sockets in embracing engagement with the bars.

3. A stamping device comprising a body having a type supporting face thereon, a plurality of type holding bars and means for mounting them in spaced relationship thereon, and flexible type members mounted thereon, said type members being provided with transverse embracing socket portions adapted to be opened by bending the type members, whereby they may be applied di-

rectly against and into embracing engagement with the bars.

4. A stamping device comprising a body having an arcuate type carrying face, strips located at each side of said face having spaced notches and covering strips therefor, means for removably securing one of said strips, a plurality of type holding bars secured in said notches in spaced relationship, and flexible type members in embracing engagement with the bars.

5. A stamping device comprising a body member having a type carrying face thereon, type holding bars extending across the face, and type members comprising soft rubber blocks having bar embracing means therein and which may be mounted or removed from the bar by bending the rubber blocks to distort the bar embracing means.

6. In a stamping machine as disclosed, the combination with a supporting base having oppositely located series of spaced holding covered notches, a covering and retaining strip for one of said series of notches having a hooked engagement with the base at one end, and a removable slot and key connection therewith at the other end.

7. In a stamping machine as disclosed, the combination with a supporting base having oppositely located series of spaced holding covered notches, a covering and retaining strip for one of said series of notches having a hooked engagement with the base at one end and a centrally slotted upturned opposite end providing terminal abutments, and a tightening bolt loosely mounted in the base provided with a nut and a holding terminal for engagement with the slotted end of the retaining strip.

8. A stamping device comprising a body having a type carrying face thereon, notched strips extending along each side of said face, a plurality of notches at a known distance apart being provided in each strip, type holding bars having end portions adapted to be received in the notches extending across the type carrying face, means for removably holding the bars in the notched strips, said means including a removable strip extending over one of the notched strips and having means at one end thereof for removably securing it in place and having a slot at the other end thereof, a bolt in said body having an elongated head adapted to pass through the slot in said strip for removably retaining the other end of the strip from movement, and type members on the type holding bars.

9. A stamping device comprising a body member having a type carrying face, T-shaped type holding bars extending across the face, means for fixedly locating and holding said bars in spaced relationship, and type members comprising blocks having a T-shaped slot therein for engagement with the T-shaped type holding means.

10. A stamping device comprising a body member having a type carrying face, spaced apart type holding bars adjustably retained on said type carrying face, means for removably holding said bars in different adjusted positions in such manner that the spacing between them may be varied, and type blocks straddling the type holding bars.

11. A stamping device comprising a body member having a type carrying face, a plurality of type holding bars on the type carrying face, means at each side of the type carrying face cooperating with the type holding bars to hold them in position, said means having a series of recesses therein to removably receive the ends of the type holding bars, the recesses being greater in number than the number of type holding bars and being equally spaced from one another, and removable type members straddling the type holding bars.

12. A stamping device comprising a body member having a type carrying face, spaced apart type holding bars adjustably retained on said type carrying face, means for removably holding said bars in different adjusted positions in such manner that the spacing between them may be varied, and type blocks carried on the holding bars and having a width greater than the width of the type bars whereby the edges of the blocks of one bar may be brought adjacent to the edges of the blocks on adjacent bars.

13. A stamping device comprising a body member having a type carrying face, T-shaped type holding bars extending across the face, means for fixedly locating and holding said bars in spaced relationship, and type members comprising relatively soft rubber blocks having a T-shaped slot therein for engagement with the T-shaped type holding means.

In testimony whereof I hereunto affix my signature.

WILLIAM J. PANNIER, JR.