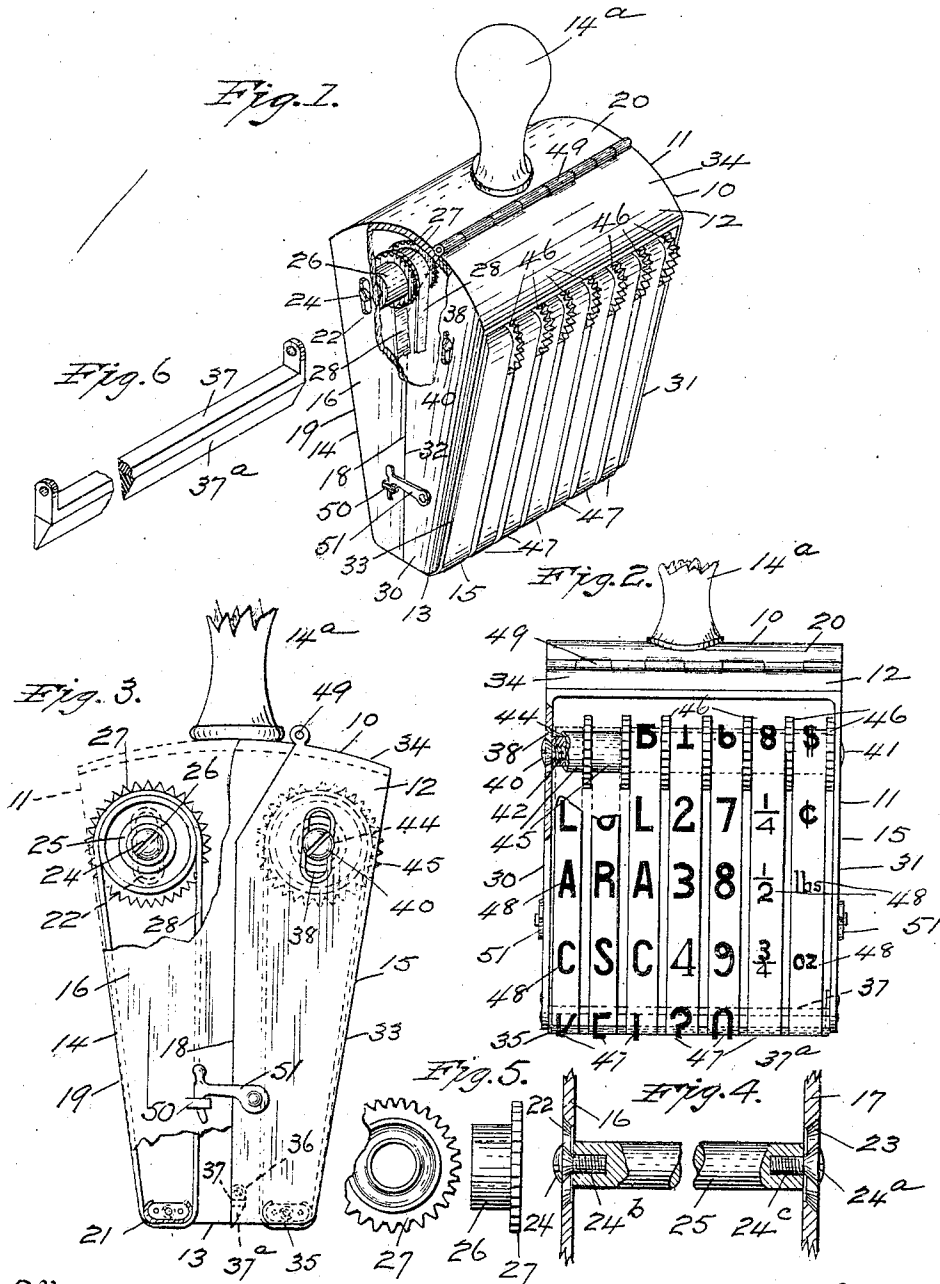


A. C. BLUM.
STAMPING DEVICE.
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1,013,116.

Patented Jan. 2, 1912.



Witnesses:
Charles C. Abbe
C. M. Jakes

Inventor
August C. Blum
By his Attorney
W. J. Griswell

UNITED STATES PATENT OFFICE.

AUGUST C. BLUM, OF SOUTH AMBOY, NEW JERSEY.

STAMPING DEVICE.

1,013,116.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AUGUST C. BLUM, a citizen of the United States, and a resident of South Amboy, county of Middlesex, and State of New Jersey, have invented certain new and useful Improvements in Stamping Devices, of which the following is a full, clear, and exact specification.

This invention relates more particularly to a class of devices for stamping articles whereby the articles may be properly classified for subsequent identification.

My invention has for its object primarily to provide a stamping device designed especially for use by firms engaged in business where a large variety of merchandise is dealt in, and by the employment of which the cost and selling price may be conveniently and quickly marked thereon, or which may be used to designate other articles for classification and identification, thus saving a great deal of time and overcoming the liability of loss resulting from errors incident to the methods at present in use in marking merchandise wherein such classes of work are ordinarily done by pen or pencil. These advantages are accomplished by providing a form of stamp wherein a plurality of elastic bands having one or more private cost marks and one or more selling marks of the firm thereon, and which are arranged to permit both of the marks to be stamped simultaneously upon the goods at the same time being distinctly shown and separated by a divisional line.

Another object of the invention is to provide a plurality of rollers over which the elastic bands are guided and which are adapted to be adjusted so that the characters of the cost mark may be readily alined in proper order at one side of the divisional line and the characters of the selling price may be alined at the opposite side of said divisional line; and a further object of the invention is to provide forms of removable shafts for carrying the rollers so as to allow the elastic bands to be replaced with the new ones when worn or damaged.

With these and other objects in view, the invention will be hereinafter more particularly described with reference to the accompanying drawing, which form a part of this specification, and will then be pointed out in the claims at the end of the description.

In the drawing, Figure 1 is a perspective

view, partly broken away, of one form of a stamping device embodying my invention. Fig. 2 is a side elevation, partly fragmentary, of the stamping device. Fig. 3 is an end view, partly fragmentary, of the stamping device. Fig. 4 is a sectional view, partly in detail, of one of the shafts for carrying the rotatable collars, and toothed wheels. Fig. 5 shows a detail side view of one of the collars and toothed wheel formed thereon, and also a detail fragmentary view of the toothed wheel, and Fig. 6 is a perspective view, partly broken away, of a cross-bar and a tapered rubber strip employed in conjunction with the stamping device.

The stamping device 10 has a frame 11 which is constructed so as to be tapered in form whereby an enlarged top, as 12, and a reduced bottom 13 are provided. The frame 11 is composed of two movable members or parts 14 and 15, and upon the enlarged top 12 of said frame is a handle 14^a, all of which may be of any desired size and made of any suitable metal or material. The member or part 14 has spaced end-plates 16 and 17, each of which has a straight edge, as 18, a tapered edge 19 opposite to the straight edge. A top-plate 20 connects the enlarged ends of the end-plates 16 and 17, and the reduced ends opposite thereto are connected by bridge-plate 21. Substantially centrally of the enlarged portion of each of the end-plates 16 and 17 is formed a slot 22 and 23 through each of which is passed a screw 24 and 24^a having its threaded end engaging a threaded recess 24^b and 24^c formed in the ends of a removable round bar or rod 25 which is disposed between the end-plates 16 and 17. Upon the bar or rod 25 and between the end-plates 16 and 17 is revolvably held a plurality of collars 26, as shown in Fig. 2. Each of the collars 26 is circular in form and upon one edge thereof is provided a toothed wheel 27, each of which is larger in circumference than the collars, in order to permit said collars to be rotated separately or simultaneously when the toothed wheels are manually revolved. The collars 26 are arranged upon the rod 25 in a manner, as illustrated, whereby the collars are disposed between the toothed wheels 27, and over each of the collars 26 is guided an endless elastic band 28 which is also trained over the bridge-plate 21. At closely spaced in-

tervals upon one surface of each of the endless bands 28 is provided a plurality of letters, or other characters, not shown, by which the cost mark of a firm engaged in business may be stamped upon merchandise.

The member or part 15 is similar in general construction and form to the member or part 14, and has spaced end-plates 30 and 31. Each of the end-plates 30 and 31 has a straight edge 32 and the edge opposite thereto is tapered, as at 33. The enlarged ends of each of the end-plates 30 and 31 are connected by a top-plate 34, and the reduced ends opposite thereto are connected by a bridge-plate 35. Adjacent to the reduced end of each of the end-plates 30 and 31 is formed an overhanging part or shoulder, as 36, which is provided by cutting away said reduced ends, and upon the overhanging shoulders 36 is held the ends of a cross-plate or bar 37. Upon the cross-bar 37 is a strip of rubber, or other suitable material, as 37^a, which is preferably wedge-shaped or tapered so that the apex thereof may be employed to form a divisional line when the stamping device is in use. Approximately midway of the enlarged portion of each of the end-plates 30 and 31 is a slot 38, and through each of said slots is directed a screw 40 and 41, the threaded end of each of which engages a threaded recess 42 provided in the ends of a removable bar or rod 44 disposed between the end-plates 30 and 31. Upon the bar or rod 40 and between the end-plates 30 and 31 are provided a plurality of revoluble collars 45. Similar to the collars 26 of the member or part 14 each of the collars 45 is circular in form and upon one edge thereof is a toothed wheel 46, each of which is larger in circumference than the collars 45 so as to allow said collars to be rotated separately or simultaneously when the toothed wheels are manually revolved. The collars 45 are also arranged, like the collars 26, so as to be disposed between the toothed wheels 27, and over each of the collars 45 is directed an endless elastic band 47 which is also guided over the bridge-plate 35. Upon one surface of each of the endless bands 47 is provided at closely spaced intervals a plurality of numerals, or other characters, as 48, by which the selling price of merchandise may be stamped thereon.

The members or parts 14 and 15 are adapted to be moved in relation to each other, and for this purpose, as shown in the drawing, the top-plate 20 of the part 14 and the top-plate 34 of the part 15 are hinged or pivotally held together, as at 49, and to hold said members or parts in locked engagement when closed together upon each of the end-plates 16 and 17 of the part 14 is provided a ring or eye, as 50, and upon each of the end-plates 30 and 31 is pivotally

held a hook or catch, as 51, which when moved are adapted to engage the rings or eyes of the end-plates 16 and 17.

In using the device 10 for stamping upon goods the cost mark and selling price the members 14 and 15 are swung apart upon the hinge 49, and one or more of the toothed wheels 27 of the member or part 14 is revolved by the finger of a person for rotating the respective collar 26 of said wheels and in turn the endless bands 28 upon said collars will be moved until the letters or characters 29 thereof are arranged in alinement upon the face of the bridge-plate 21 to designate the cost mark. In order to designate the selling price upon the goods simultaneously or independently of the cost-mark, one or more of the toothed wheels 46 of the member or part 15 is revolved in a similar manner for rotating the respective collar 45 of said wheels and the endless bands thereupon will be moved until the numerals or characters 48 thereof are arranged in alinement upon the face of the bridge-plate 35 of said member. If it is desired to stamp the cost-mark and selling price simultaneously the members or parts 14 and 15 of the device 10 are then closed and locked together as above described, and said device is used in the same manner as the ordinary rubber stamp of this class, and the cost mark will be shown at one side of a divisional line which will be stamped by the apex of the tapered strip 37^a and the selling price will be shown at the other side of the divisional line.

In the foregoing description I have embodied the preferred form of my invention, but I do not wish to be understood as limiting myself thereto, as I am aware that modifications may be made therein without departing from the principle or sacrificing any of the advantages of this invention, therefore I reserve to myself the right to make such changes as fairly fall within the scope thereof.

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

1. A stamping device of the character described, comprising two movable members, both having two spaced apart end-plates, each of said end-plates having an enlarged end and a reduced end and having a slot provided in the enlarged end thereof; a top-plate provided upon the enlarged ends of the end-plates of each member; a bridge-plate connecting the reduced ends of said end-plates of each member; a shaft arranged between the end-plates of the members and having threaded recessed ends; a screw passing through the slot of each of the end-plates and engaging one of the threaded recesses of each shaft; a plurality of collars rotatably held upon each shaft; a toothed

wheel provided upon one edge of each of the collars and adapted when moved to rotate the collars; a plurality of endless bands each guided over one of the collars and trained over the bridge-plate of the members; a cross-bar connecting one of the edges of the end-plates of one of the members adjacent to the bridge-plate at the reduced end thereof; a tapered strip of material provided upon the cross-bar; means provided upon the top-plates of both of the members and adapted to pivotally connect said members; and a lock provided upon one of the end-plates of the members and adapted to hold said members in locked engagement.

2. A stamping device of the character described, comprising two movable members, both having two spaced apart end-plates, each of said end-plates having an enlarged end and a reduced end and having a slot provided in the enlarged end thereof; a top-plate provided upon the enlarged ends of the end-plates of both members; a bridge-plate connecting the reduced ends of said end-plates of each member; a shaft arranged between the end-plates of both members and having threaded recessed ends; a screw passing through the slot of each of the end-plates and engaging one of the threaded recesses of each shaft; a plurality of collars rotatably held upon each shaft; a toothed wheel provided upon one edge of each of the collars and adapted when moved to rotate the collar; a plurality of endless bands each guided over one of the collars and trained over the bridge-plate of the members; a cross-bar connecting one of the edges of the end-plates of one of the members adjacent to the bridge-plate at the reduced end thereof; a tapered strip of material provided upon the cross-bar; means provided upon the top-plate of both of the members

and adapted to pivotally connect said members; and a catch provided upon each end-plate of the members and adapted to hold said members in locked engagement.

3. A stamping device of the character described, comprising two movable members, both having two spaced apart end-plates, each of said end-plates having an enlarged end, a reduced end, a straight edge and a tapered edge and each having a slot provided in the enlarged end thereof; a top-plate provided upon the enlarged ends of the end-plates of both members; a bridge-plate connecting the reduced ends of said end-plates of each member; a shaft arranged between the end-plates of both of the members and having threaded recessed ends; a screw passing through the slot of each of the end-plates and engaging one of the threaded recesses of each shaft; a plurality of collars rotatably held upon each shaft; a toothed wheel provided upon one edge of each of the collars and adapted when moved to rotate the collar; a plurality of endless bands each guided over one of the collars and trained over the bridge-plate of the members; a cross-bar connecting the straight edge of the end-plates of one of the members adjacent to the bridge-plate of the reduced end thereof; a wedge-shaped strip of elastic material provided upon the cross-bar; a hinge provided upon the top-plates of the members whereby said members may be swung apart; and a catch provided upon the end-plates of the members and adapted to hold said members in locked engagement.

This specification signed and witnessed this twenty-eighth day of February A. D. 1911.

AUGUST C. BLUM.

Witnesses:

ROBT. B. ABBOTT,
E. M. JERKE.