July 24, 1928. 1,678,589

G. DIFFER

ROTARY BOX STAMP

Filed Nov. 25, 1927 2 Sheets-Sheet 1

Fig. 1.

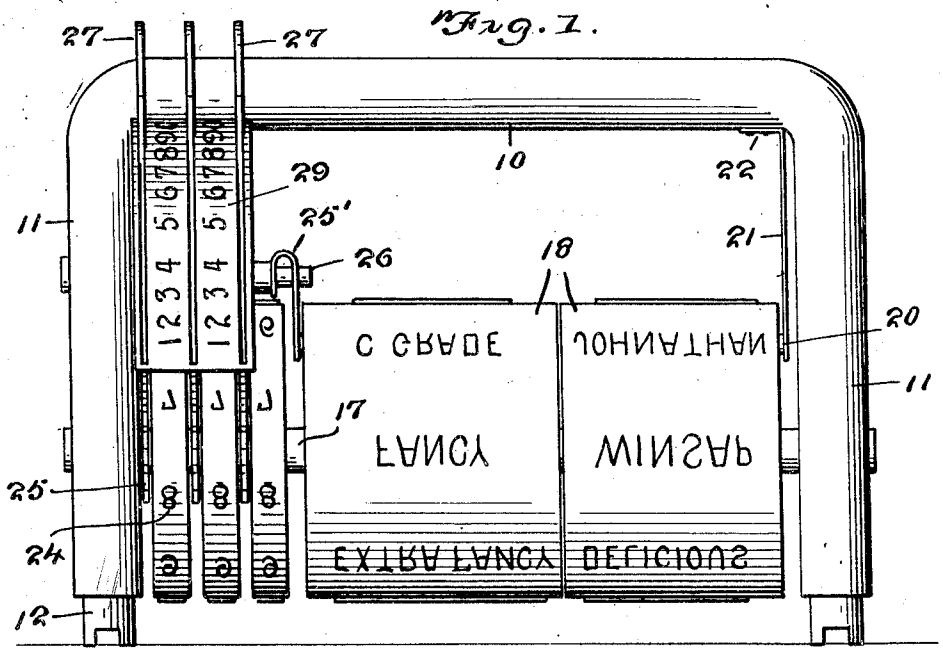
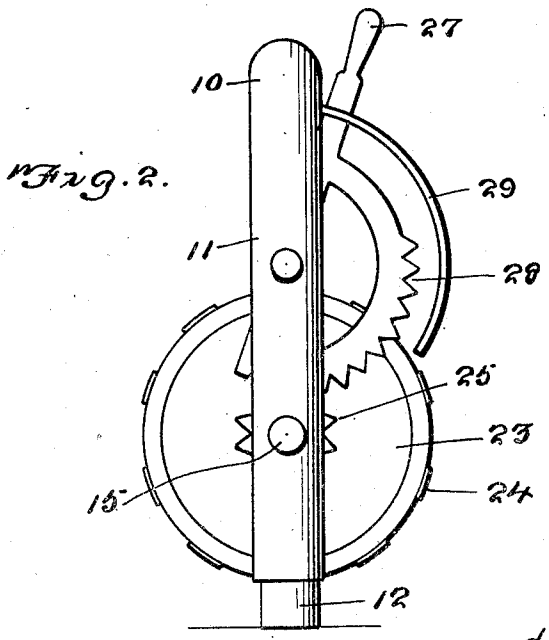


Fig. 2.



George Differ
INVENTOR

BY Victor J. Evans

ATTORNEY

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Filed Nov. 25, 1927 2 Sheets-Sheet 2

Fig. 3.

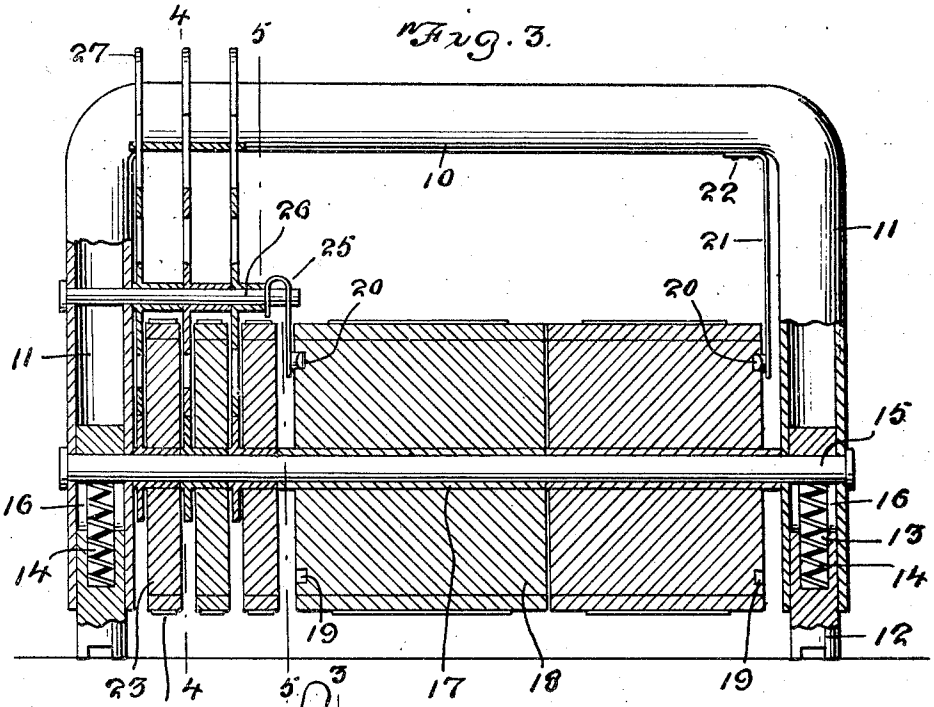


Fig. 4.

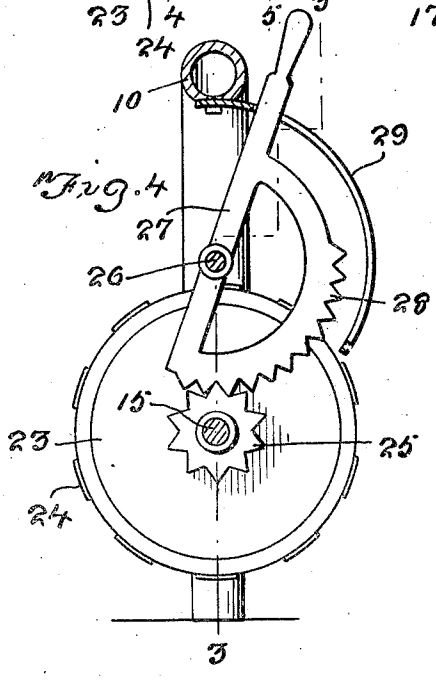
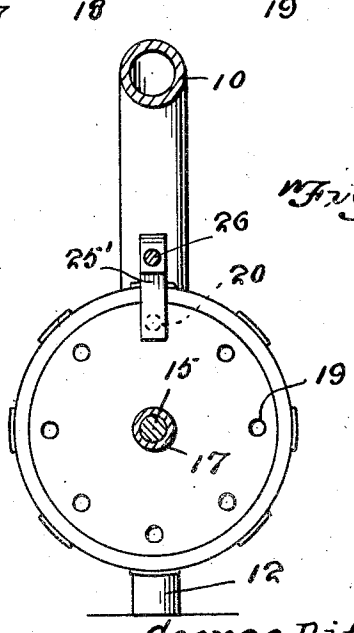


Fig. 5.



George Differ
INVENTOR

BY Victor J. Evans
ATTORNEY

Patented July 24, 1928. 1,678,589

UNITED STATES PATENT OFFICE.

GEORGE DIFFER, OF HAMILTON, MONTANA.

ROTARY BOX STAMP.

Application filed November 25, 1927. Serial No. 235,734.

The primary object of this, my present invention, is the provision of a hand stamp which will eliminate the necessity of supplying a number of individual stamps in fruit packing warehouses and the like, where stamps are required to designate sizes, grades, names of fruits, etc.

A further object is the provision of a hand stamp in which the indicia or letter-carrying rollers are positively locked so that the proper indicia will be accurately stamped on the package, and also wherein the rollers may be easily turned to arrange any of the several characters thereon in proper stamping position, and further whereby the position of the indicia on the rollers will be at all times under the observation of the user.

A still further object is the provision of a stamp for this purpose in which all of the character bearing rollers are mounted on an individual shaft, is held from accidental turning but permitting the said rollers to be quickly adjusted to any size or grade of fruit or the like to be stamped on the package, so that the stamping operation may be performed in an easy and expeditious manner and the employment of a large number of stamps which is common in the ordinary practice will be effectively obviated.

To the attainment of the foregoing and other objects which will present themselves as the nature of the invention is better understood, the improvement also resides in certain other novel features of construction, combination and operative association of parts, one satisfactory embodiment of which is disclosed by the accompanying drawings.

In the drawings:

Figure 1 is a front elevation of the improvement.

Figure 2 is an end view thereof.

Figure 3 is a view similar to Figure 1, with parts in section.

Figure 4 is a sectional view on the line 4—4 of Figure 3.

Figure 5 is a sectional view on the line 5—5 of Figure 3.

The handle 10 of my improved stamp is preferably tubular and as disclosed by the drawings, is U-shaped in plan. The parallel hollow arms 11 of the body or frame 10 receive through the ends thereof posts 12. The posts are really in the nature of feet members for the improvement and each post is provided with a bore or socket 13, in which there is received a spring 14 that exerts a pressure upon the shaft 15 on which all of the rollers of the improvement are mounted. The foot members 12 are permitted to telescope into the sides or ends 11 of the handle 10, as the same are provided with elongated slots or openings 16 through which the shaft 15 is designed to pass.

Arranged around the shaft 15, between the arms 11 of the frame 10, there are a plurality of sleeves 17. Fixedly secured on certain of these sleeves there are any desired number of rollers. The rollers, having the rubber stamps thereon bearing the names of the fruit or like material to be stamped on a package, are indicated by the characters 18, respectively. The outer sides or ends of these rollers 18, in a line with the characters or indicia thereon, are provided with notches 19, and these notches are designed to receive therein lugs 20 provided upon the ends of flat springs 21 which are fixedly secured, as at 22, to receive the handle 10.

The remaining rollers, indicated by the numerals 23, have arranged around their peripheries endless rubber bands provided with outstanding characters such as numerals 24. The rollers 23 are fixedly secured on comparatively short sleeves arranged on the shaft 15 and each of these sleeves, on one of its ends, is provided with a toothed wheel 25.

I have stated that the lugs or dogs 20 are connected to the frame 10, but one of these dogs has its spring 25′ secured on the end of a fixed shaft 26, the said shaft passing through one of the arms 11 of the frame 10. The shaft 26 has journaled thereon the levers 27 provided with segmental racks 28 that are in mesh with the toothed wheels 25. The levers are disposed between segmental indicia bearing plates 29, the fixed ends of the said plates being connected to the frame 10. The indicia on the plates 29 corresponds to the indicia on the rollers 23, and it will be apparent that by swinging any of the levers and arranging the same opposite the indicia on the segmental plates 29, the operator will have knowledge that one of the rollers 23 has been turned to bring its stamping surface or character 24 in proper position to stamp the indicia on a package. The flat springs 21 or 25′ are moved away from the rollers 18 to permit of the said rollers being turned around the shaft 15 to arrange the indicia thereon in stamping position.

The numbers on the rollers 23 are designed

to indicate the sizes of the fruit, and as above described, the operator, will, at a glance, know the exact number that is brought to stamping position by the position of the levers 27 with respect to the segmental indicator plates 29. Of course, the operator will have knowledge of the different grades and names of the fruit to be stamped on the package by inspecting the indicia on the rollers 18, and it is believed that the foregoing description when carefully read in connection with the accompanying drawings will fully set forth the construction and advantages of my improvement to those skilled in the art without further detailed description. Obviously I do not wish to be restricted to the precise details herein set forth and, therefore, hold myself entitled to such changes therefrom as fairly fall within the scope of what I claim.

Having described the invention, I claim:

1. In a device for the purpose set forth, a frame, spring influenced legs telescopically received in the ends of the frame, a shaft journaled longitudinally on the frame, and providing a stop for the spring influenced legs, indicia bearing rollers revoluble on the shaft, spring means holding the rollers from free turning on the said shaft, other indicia bearing rollers on the shaft, and lever operated means for turning said rollers.

2. In a device for the purpose set forth, a handle comprising a substantially U-shaped hollow frame, foot members received through the ends of the frame, spring means influencing the foot members outwardly with respect to the frame, a shaft journaled through the sides of the frame and providing a stop to limit the outward movement of the foot members, indicia bearing members journaled on the shaft, each of said rollers having their outer ends notched in a line with the indicia thereon, spring influenced levers carried by the frame to be received in said notches, other indicia bearing rollers journaled on the shaft and lever operated means for turning and for preventing the free turning of the last mentioned rollers.

3. In a device for the purpose set forth, a hollow substantially U-shaped frame, slotted foot members received in the ends of the frame and having inner sockets, a shaft having its ends journaled in the ends of the frame and to be received through the slots of the foot members, a spring in the socket of each foot member exerting a tension on the shaft, indicia bearing rollers journaled on the shaft and having their outer ends provided with notches in a line with the indicia thereof, a lug to be received in certain of said notches, a spring carried by the frame and influencing the lug to engagement with the notch, other indicia bearing rollers on the shaft, a toothed wheel on the outer side of each of the last mentioned rollers, pivotally supported shafts, segmental racks thereon to engage with the mentioned toothed wheels, an indicia bearing segmental plate carried by the frame and disposed opposite each of said levers.

In testimony whereof I affix my signature.

GEORGE DIFFER.