

Mar. 27, 1923.

1,450,111

L. E. PARKER

COIN WRAPPING DEVICE

Filed Dec. 16, 1921

2 sheets-sheet 1

Fig. 1.

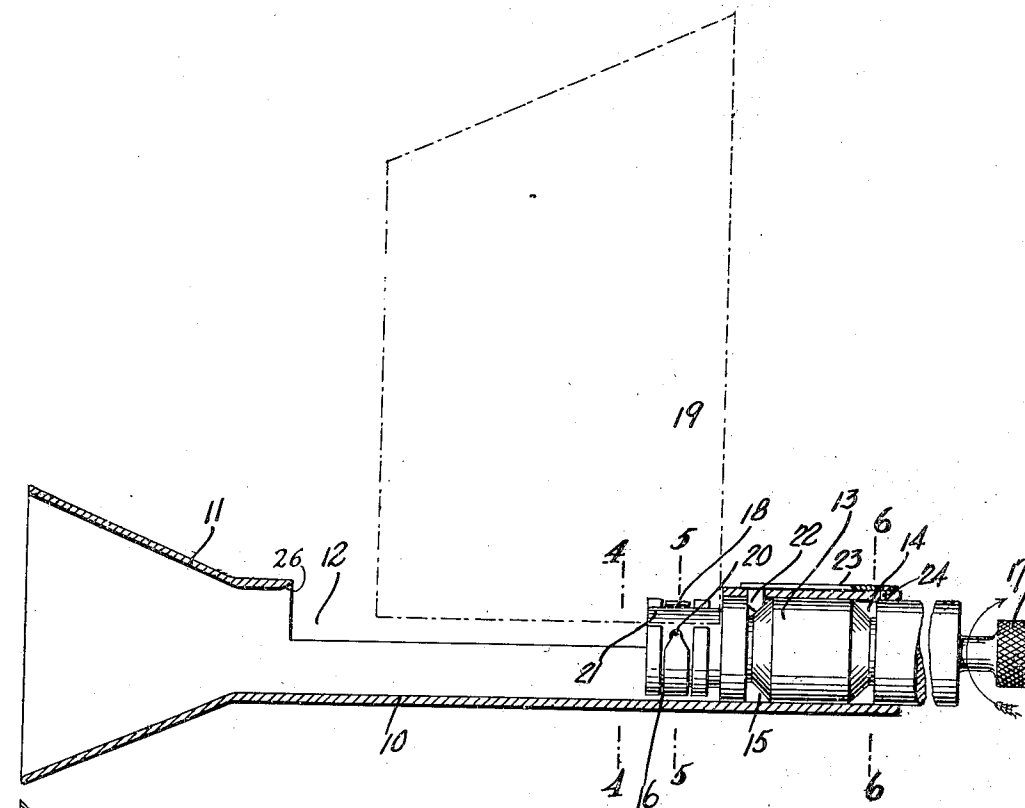
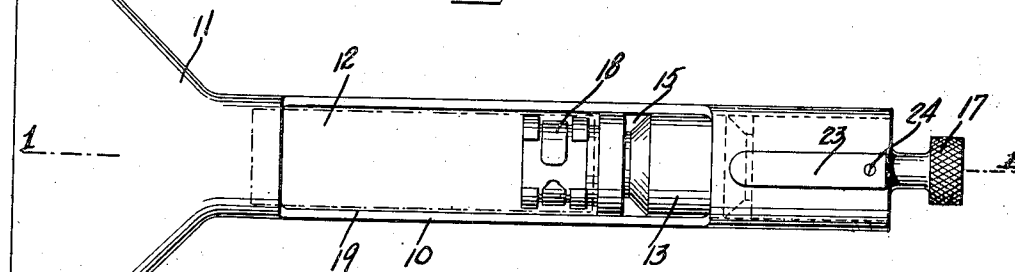


Fig. 2.



WITNESSES

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Fig. 3.

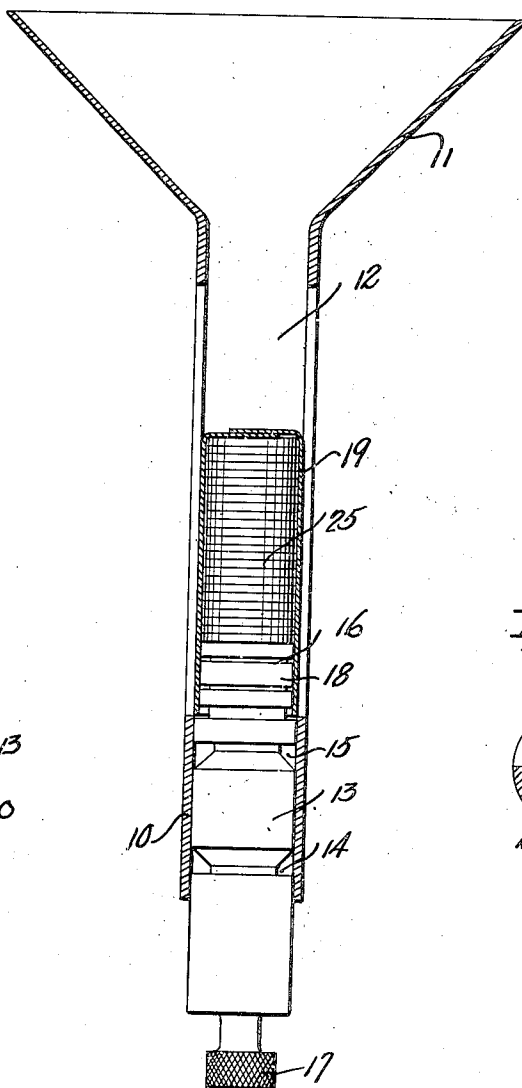


Fig. 4.

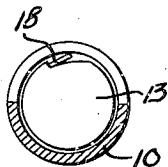


Fig. 5.

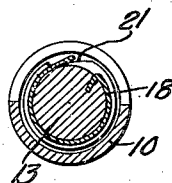
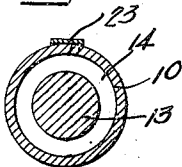


Fig. 6.



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UNITED STATES PATENT OFFICE.

LUCIAN E. PARKER, OF WADSWORTH, OHIO.

COIN-WRAPPING DEVICE.

Application filed December 16, 1921. Serial No. 522,825.

To all whom it may concern:

Be it known that I, LUCIAN E. PARKER, a citizen of the United States, and a resident of Wadsworth, in the county of Medina and State of Ohio, have invented new and useful Improvements in Coin-Wrapping Devices, of which the following is a full, clear, and exact description.

This invention relates to improvements in coin-wrapping devices.

In carrying on various kinds of business it becomes necessary to handle large numbers of coins, and in order to handle these coins with ease and efficiency it becomes necessary to roll them in packages, each of which contains a predetermined number of coins. The wrapping of these coins in such packages by hand requires a considerable amount of labor and time which adds to the overhead expenses of the business establishment.

The general object of this invention is to provide a simple and efficient device for the wrapping of coins which will allow the wrapping operation to be performed quickly and which will produce a neat package.

This object is accomplished by providing a device including means for rolling the wrapping means into a cylindrical form and supporting the same in conjunction with a coin guiding means which serves to guide the coins into the cylindrical shaped wrapping means.

This and other objects of the invention will be more clearly understood from the following detailed description and accompanying drawings.

Figure 1 is a section of the coin wrapping device along the line 1—1, Figure 2;

Figure 2 is a top plan view of the coin wrapping device in the position shown in Figure 1;

Figure 3 is a top plan view of the device with a portion of the tube cut away to show the cylindrical plug;

Figure 4 is a section along the line 4—4 of Figure 1;

Figure 5 is a section along the line 5—5, Figure 1;

Figure 6 is a section along the line 6—6, Figure 1.

Referring to the above-mentioned figures, a tube 10 is shown having a hopper 11 integral with one end thereof. An opening 12 is provided in one side of the tube 10 and

is formed by cutting away one-half of the tube for a portion of its length. This allows a package, which is equal to the internal diameter of the tube, to be removed. A plug 13 is rotatably mounted in the end of the tube opposite to the end to which the hopper 11 is attached. This plug is cylindrical in form and has a plurality of circumferential grooves 14, 15 and 16 cut therein. A knurled head 17 is also provided in conjunction with the plug to serve as a means for rotating the latter. A spring clip 18, which serves as a means for holding the wrapping paper 19, is mounted in the groove 16, and one end engages in an opening 20 provided in the bottom of the groove. A part of the plug 13 is cut away to form a face 21 which extends along a portion of the plane of a chord of the plug extending from the surface of the plug to the bottom of the groove in which the spring clip 18 is located. This gives a means for projecting the wrapper 19 underneath the clip. The tube 10 is beveled at 26 to guide the movement of the plug 13 and wrapping paper 19 after the latter has been rolled.

A pin 22, the lower end of which is wedge-shaped, the edge being in a plane parallel to the end of the plug, projects through the wall of the tube 10 and is controlled by a spring 23 which is mounted on the tube by means of a screw 24. The pin engages in the grooves 14 and 15 of the plug 13 and serves to guide its rotation. The adjacent sides of the grooves 14 and 15 are beveled so that if the pin 22 is engaged in the groove 15 the plug may be forced inward, disengaging the pin 22 from the groove 15 and engaging it in the groove 14. The plug 13 may also be drawn outward, disengaging the pin from the groove 14 and engaging it in the groove 15.

The operation of the device is as follows:

The plug 13 is so positioned that the pin 22 engages in the groove 15. In this position the pin holds the plug against longitudinal movement in the tube and might be said to guide the rotation of the plug. One edge of the wrapping paper 19 is then inserted underneath the spring clip 18, with the edge nearly parallel to the axis of the tube. The plug is then rotated in the direction shown by the arrow in Figure 1 and rolls the paper into a container of cylindrical form. After this has been accomplished the plug is forced

forward, disengaging the pin from the groove 15 and engaging it in the groove 14, sliding the cylindrical container along the tube until the upper end projects beyond the end of the opening 12 cut in the tube. Coins 25 are then dropped into the hopper 11 and guided into the cylindrical container formed from the wrapping paper 19 and take the position shown in Figure 3. After the desired number of coins have been dropped into the cylindrical container, the upper ends are folded down as shown, the tube inverted and plug 13 drawn to its original position. The package may be removed from the tube through the opening 12, and the end of the package which was held by the clip 18 is then folded in, completing the formation of the folded package.

I would state in conclusion that while the illustrated example constitutes a practical embodiment of my invention I do not limit myself strictly to the exact details herein illustrated since manifestly the same can be considerably varied without departing from the spirit of the invention as defined in the appended claims.

Claims.

1. As a new article of manufacture, a coin wrapper of the class described, comprising a tube having an opening cut in one side thereof for removing a coin package, means attached to one end of the tube for guiding the coins into the latter, a cylindrical plug for supporting the coins and rolling a wrapper rotatably mounted in the other end of the tube, and means in conjunction with the said plug for operating it.

2. As a new article of manufacture, a coin wrapper of the class described, comprising a tube having an opening cut in one side thereof for the removal of a coin package, means attached to one end of the tube for

guiding the coins into the latter, a plug having a plurality of circumferential grooves rotatably mounted in the other end of the tube for rolling the wrapping paper and supporting the coins, means mounted on the tube and adapted to engage in the grooves for guiding the rotation of said plug, and means in conjunction with the plug for rotating it.

3. As a new article of manufacture, a coin wrapper of the class described, comprising a tube having an opening cut in one side thereof for removing a coin package, a hopper attached to one end of the tube for guiding the coins into the latter, a cylindrical plug having a plurality of circumferential grooves cut therein rotatably mounted in the other end of the tube for rolling a wrapper, a spring-controlled wedge-shaped pin movable along a radial line of the tube for engaging in the plug grooves to guide the rotation of the tube, and means in conjunction with the plug for engaging the wrapper to hold the same.

4. As a new article of manufacture, a coin wrapper of the class described, comprising a tube having an opening cut in one side thereof for the removal of a coin package, a hopper attached to one end of the tube for guiding the coins into it, a cylindrical plug having a plurality of circumferential grooves cut therein rotatably mounted in the other end of the tube to support the coins and roll a wrapper, a spring clip mounted in one of the circumferential grooves to hold the wrapper, a spring-controlled wedge-shaped pin mounted on the tube and extending through the tube wall to engage in the circumferential grooves to guide the rotation of the plug, and a knurled head attached to the plug for rotating the same.

LUCIAN E. PARKER.