Jan. 19, 1954 J. SCHEIDT ET AL 2,666,284

COIN-WRAPPING DEVICE

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Fig. 1

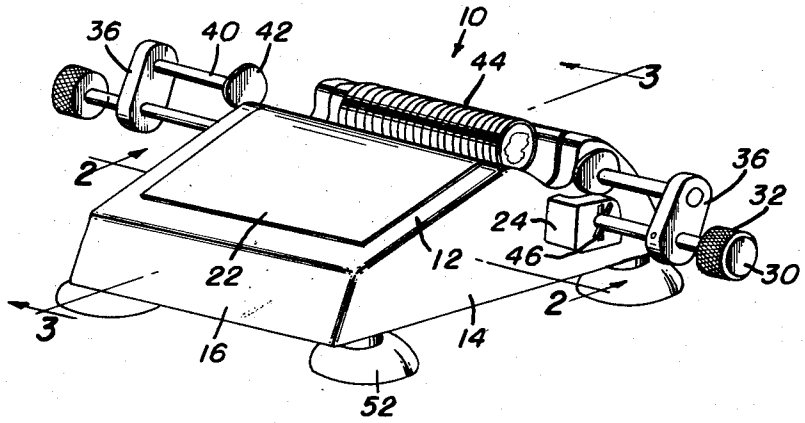


Fig. 2

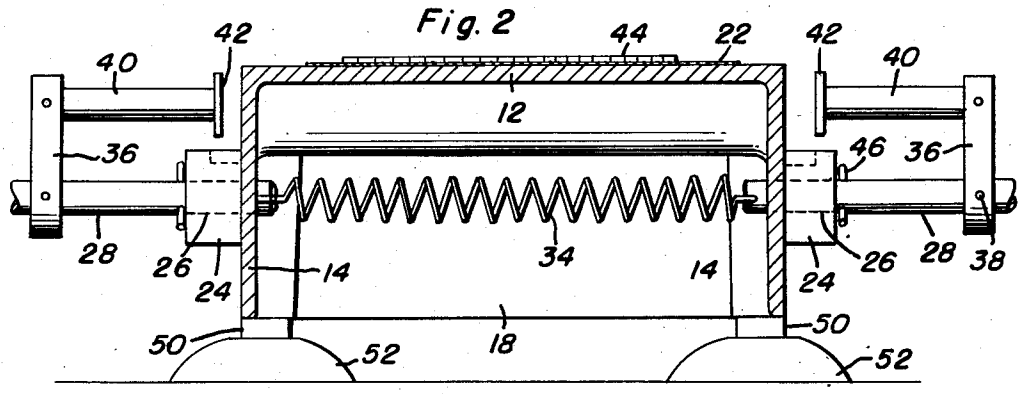
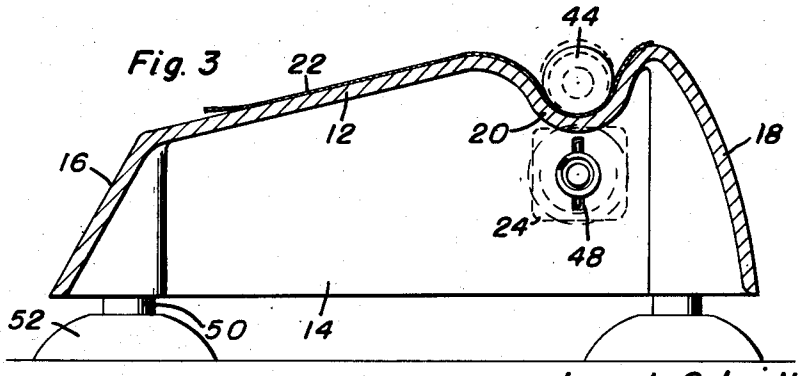


Fig. 3



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COIN-WRAPPING DEVICE

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3 Claims. (Cl. 53—114)

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The present invention relates to a coin wrapping and measuring device and constitutes an improvement on our copending application Serial No. 275,802 filed March 10, 1952, now Patent No. 2,641,096, issued January 9, 1953.

The primary object of the present invention is to provide a coin wrapping and measuring device that is extremely inexpensive to manufacture, and which includes novel coin holding means.

Yet another object of the invention, and ancillary to the preceding object, is to provide a coin wrapping and measuring device wherein a novel means is provided for holding the coin holding means out of engagement with the coin stack to permit the insertion of a coin wrapper and to further permit the folding of the ends of the wrapper after the coin stack is wrapped.

Still another object of the invention is to provide a coin holding means that may be adjusted to measure stacks of coins of various denominations.

These, together with various ancillary object and features which will later become apparent as the following description proceeds are attained by this invention, a preferred embodiment of which is shown by way of example only in the accompanying drawings wherein:

Figure 1 is a perspective view of the device;

Figure 2 is a sectional view of the device taken substantially along section line 2—2 of Figure 1; and,

Figure 3 is a sectional view of the device taken substantially along section line 3—3 of Figure 1.

Referring now to the accompanying drawings in detail, wherein like reference numerals are utilized to designate similar parts throughout the various views, the coin wrapping and measuring device is designated in its entirety by the numeral 10.

The device generally consists of a rectangular, shell-like body constructed of any suitable material such as wood, plastic, or metal. The body of the device includes generally a top wall 12 and depending side and end walls 14 and 16 and 18, respectively, to form a depending skirt. For convenience of description, the end wall 16 is considered the rear end wall while the end wall 18 is considered the front or forward end wall. As shown, the top wall 12 is upwardly inclined from the rear wall 16 to the front wall 18 and is provided with a transverse, arcuate recess 20 forming a groove there across.

In the coin wrapping operation, a coin wrapper 22 is first laid on the flat top wall 12 following

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the contour of the top wall into the recessed portion 20.

Mounted on the outer surfaces of the sides 14 beneath the recess 20 are pillow blocks 24. Bores 26 extend through the pillow blocks 24 in registery with opening (unnumbered) in the side walls 14. Rods 28 are slidably and rotatably journaled in the pillow blocks 24 and have their adjacent ends terminating within the body of the device and their remote ends terminating exteriorly of the body of the device. As will be noted, the rods 28 slide parallel to the axis of the groove formed by the recessed portion 20 while knobs 30 having knurled surfaces 32 therein are mounted at the ends of the rods for pulling away from one another. Resilient means in the form of spring 34 connect the adjacent ends of the rods 28 to one another for constantly urging the same toward one another.

Adjacent the remote ends of the rods 28 are mounted arms 36 extending perpendicularly to the rods 28. The arms 36 are fixedly secured to the rods by means of set screws 38 or the like. Rod-like extensions 40 are secured to the free ends of the arms 36 and extend toward one another in alignment with the axis of the groove formed by the recessed portion 20 of the body of the device. The extensions 40 are slidably disposed in the transverse groove as the adjacent ends of the rods 28 are drawn toward one another. Disc-like heads 42 for engaging coins at the end of a stack of coins within the groove prevent swinging movement of the arms 36 and consequently prevent rotation of the rods 28 as the extensions 40 are drawn into the groove. The inward movement of the rods 28 is limited by the abutting engagement of the arms 36 with the pillow blocks 24, which abutting engagement likewise limits or defines the limit of the inward movement of the coin engaging heads 42 in the groove formed by the recessed portion 20. This distance is correlated to correspond to the space that would be taken up by conventional stack of coins such as fifty cents worth of pennies, two dollars worth of nickles, five dollars worth of dimes, etc., and when this position is reached, number of coins in the stack is automatically correct. Obviously, if too many coins are present in the stack, the removal of the excess coins in the stack becomes a simple operation since they need not be counted the correct number of coins is determined by the abutment of the arms 36 with the pillow blocks 24. If desired, and as shown in the preferred embodiment, the arms 36 may be adjusted longitudinally along the rods

28 by loosening of the set screw 38 of each arm to adapt the device for measuring coins of different denominations.

To permit the insertion of the coin wrapper 22, prior to placing the coins 44 in the groove, cooperating means are provided on the rods and the pillow blocks. These cooperating means comprise stop pins 46 extending transversely through the rods 28 to abut the pillow blocks 24 prior to the abutment of these blocks by the arms 36 to maintain the extensions 40 out of engagement with the groove. Thus, when the rods 28 are pulled out by the knobs 30, until the coin engaging heads 42 clear the groove formed by the recessed portion 20, the rods may be slightly twisted as shown in Figure 1 so that the stop pins 46 abut the outer surfaces of the pillow blocks 24. Vertical key ways 48 are provided in the pillow blocks 24 to permit passage of the stop pins 46 through the blocks 24 when the extensions 40 are aligned with the groove. Further, in this connection, the vertical key ways 48 also serve to align the extensions 40 and the coin engaging heads 42 with the groove formed by the recessed portion 20 of the body of the device. With this arrangement, when the coin stack 44 has been measured, the extensions 40 may be pulled out of the groove in opposition to the action of the spring 34, the coins wrapped and the ends of the cylindrical packet formed by the wrapper 22 turned in to enclose the coins.

To securely mount the device, legs 50 are formed at the corners thereof and rubber suction cups or the like 52 are secured to the bottoms of the legs to firmly secure the device 10 to a surface.

From the foregoing description, the construction of the device is believed to be clearly apparent. However, since numerous modifications and changes will readily occur to those skilled in the art after a consideration of the foregoing specification taken in conjunction with the accompanying drawings, it is not desired to limit the invention to the exact construction shown and described, but all suitable modifications and changes may be resorted to which fall within the scope of the appended claims.

What is claimed as new is as follows:

1. A coin wrapping and measuring device comprising a body having a transverse arcuate groove across the top thereof, pillow blocks mounted on the sides of said body, rods slidably and rotatably disposed in said blocks having their adjacent ends disposed within said body and their remote ends disposed exteriorly of said body, resilient means connecting the adjacent ends of said rods and urging them toward one another, arms mounted on said rods adjacent the remote ends thereof, extensions on said arms slidably disposed in said groove for holding coins therebetween, said arms abutting said blocks to limit the inward movement of said rods toward one another, and means on said rods for maintaining said extensions out of engagement with said grooves.

2. A coin wrapping and measuring device comprising a body having a transverse arcuate groove across the top thereof, pillow blocks mounted on the sides of said body beneath said groove, rods slidably and rotatably journaled in said blocks and having their adjacent ends terminating within said body and their remote ends terminating exteriorly of said body, arms mounted adjacent the remote ends of said rods and extending perpendicularly from said rods, resilient means drawing the adjacent ends of said rods toward one another and said arms into abutting engagement with said blocks, extensions of said arms parallel to said rods and sliding in said groove as the arms are pulled toward the pillow blocks to prevent rotation of the rods in said pillow blocks, and cooperating means on said rods and said pillow blocks to maintain said extensions out of engagement with said grooves when the rods are rotated to one position for the insertion of a coin wrapper in the groove.

3. A coin wrapping and measuring device comprising a body having a transverse arcuate groove across the top thereof, pillow blocks mounted on the sides of said body beneath said groove, rods slidably and rotatably journaled in said blocks and having their adjacent ends terminating within said body and their remote ends terminating exteriorly of said body, arms mounted adjacent the remote ends of said rods and extending perpendicularly from said rods, resilient means drawing the adjacent ends of said rods toward one another and said arms into abutting engagement with said blocks, extensions of said arms parallel to said rods and sliding in said groove as the arms are pulled toward the pillow blocks to prevent rotation of the rods in said pillow blocks, and cooperating means on said rods and said pillow blocks to maintain said extensions out of engagement with said grooves when the rods are rotated to one position for the insertion of a coin wrapper in the groove, said cooperating means comprising stop pins on said rods engaging said pillow blocks when the extensions are rotated out of engagement with said groove, said blocks having key ways therein through which said pins slide as the extensions are disposed in said groove.

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