Feb. 11, 1930. S. KHALIL 1,746,398

COIN HOLDING AND DELIVERING DEVICE

Filed Aug. 13, 1925 6 Sheets-Sheet 1

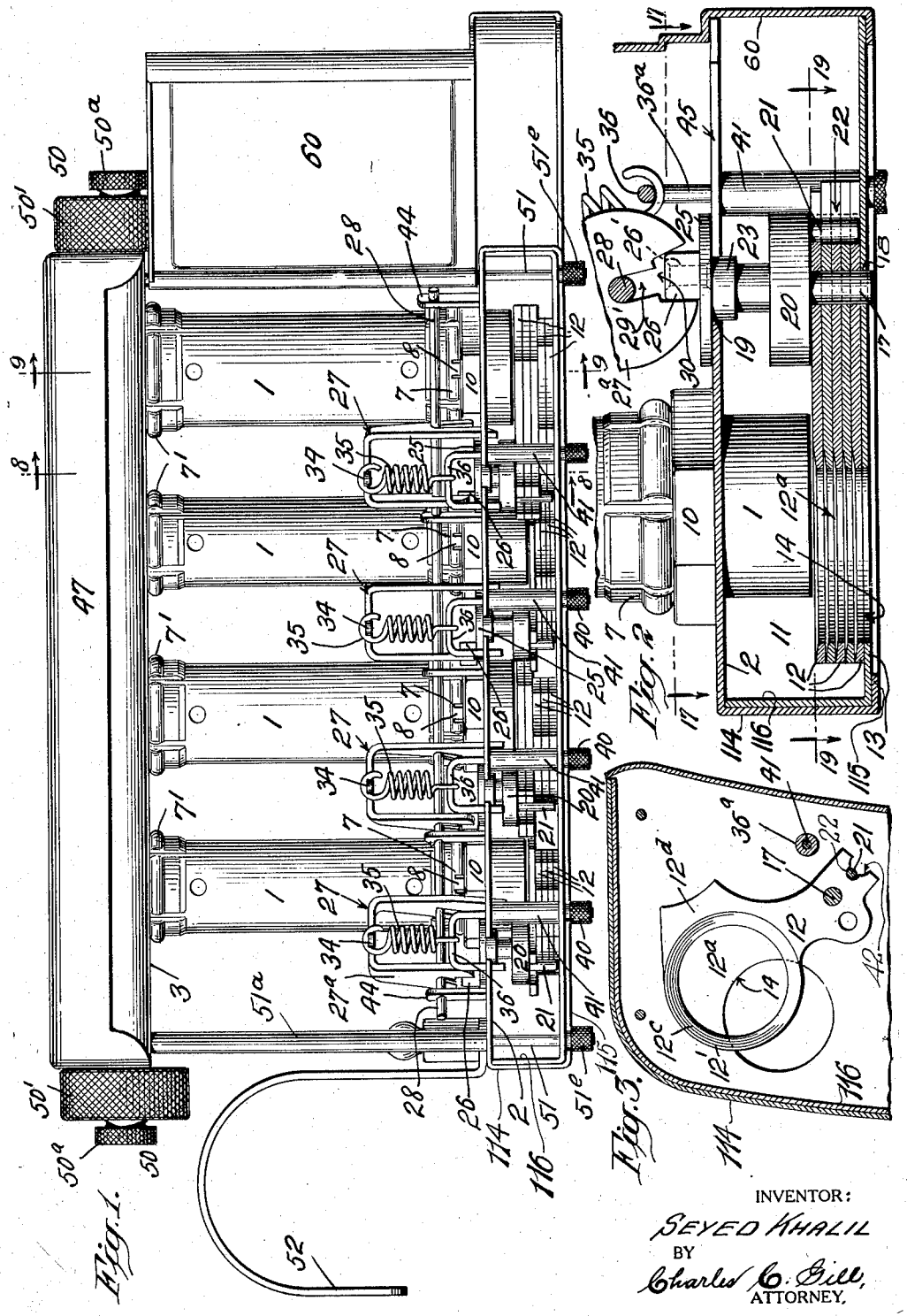


Fig. 1.



Fig. 2.



Fig. 3.

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COIN HOLDING AND DELIVERING DEVICE

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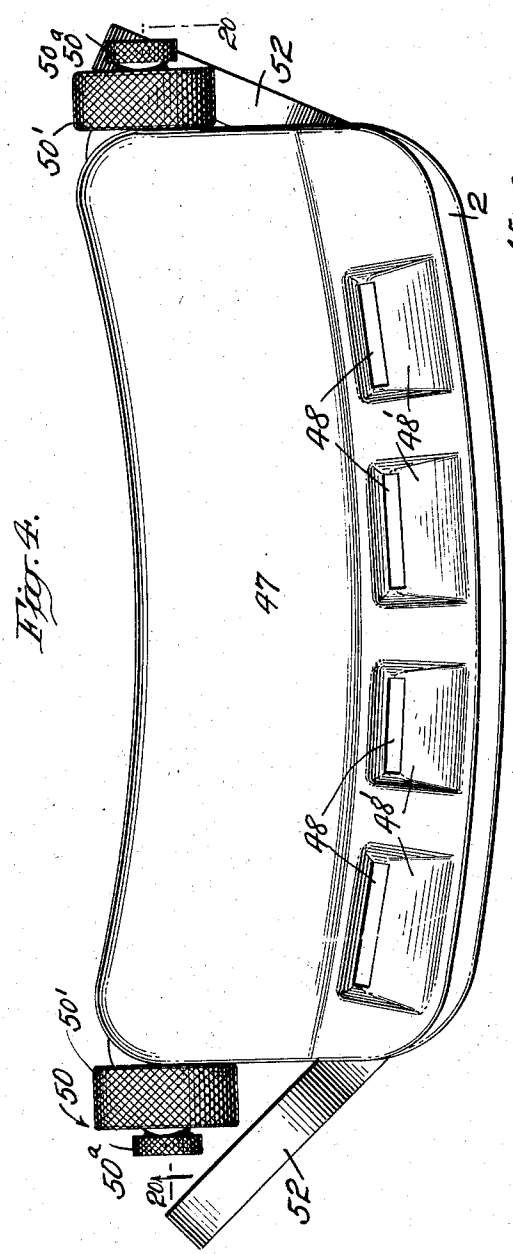


Fig. 4.

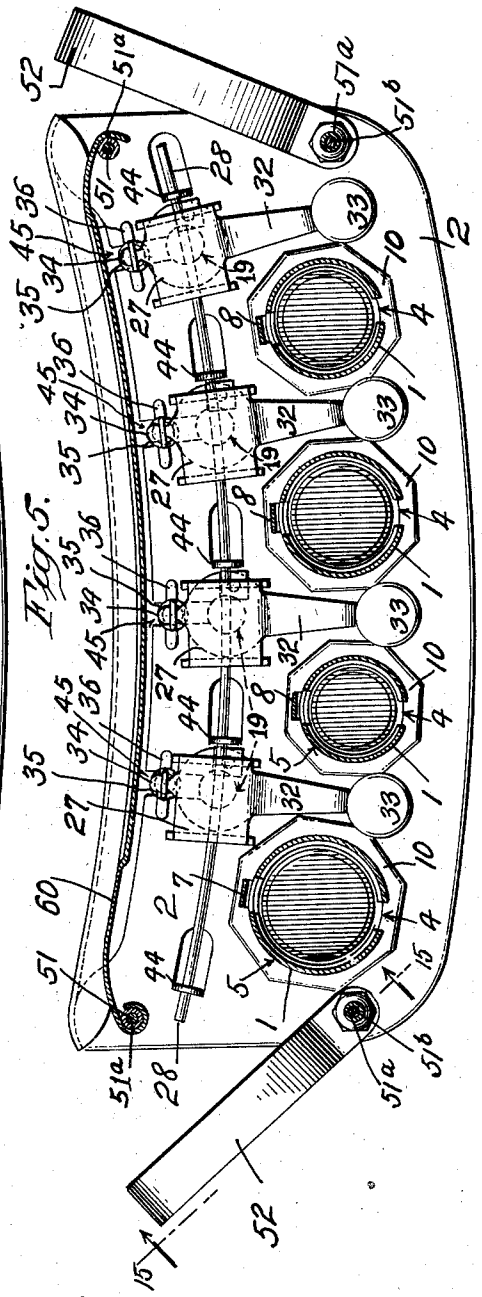


Fig. 5.

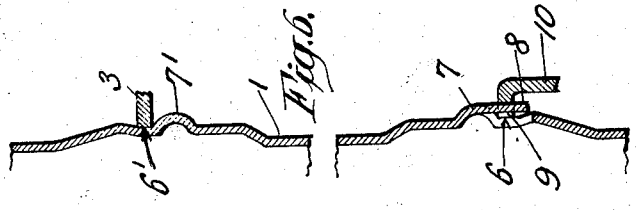


Fig. 6.

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COIN HOLDING AND DELIVERING DEVICE

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Fig. 7.

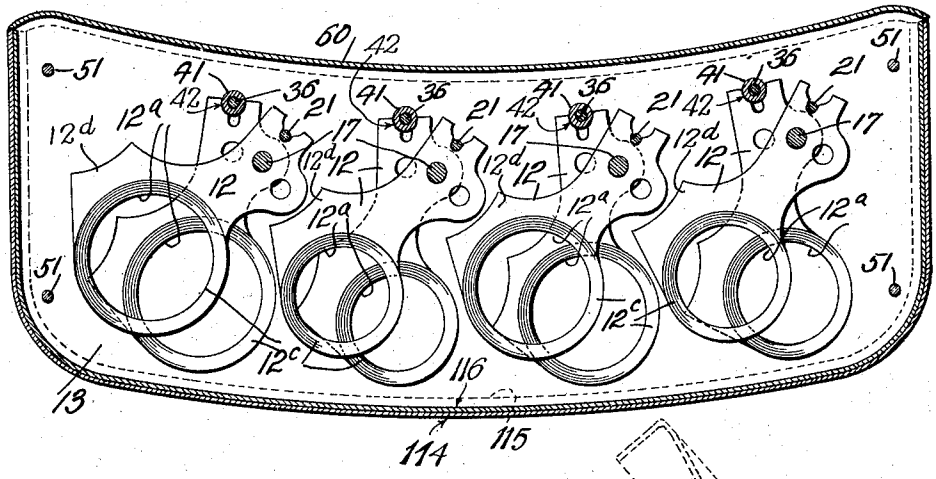



Fig. 8.

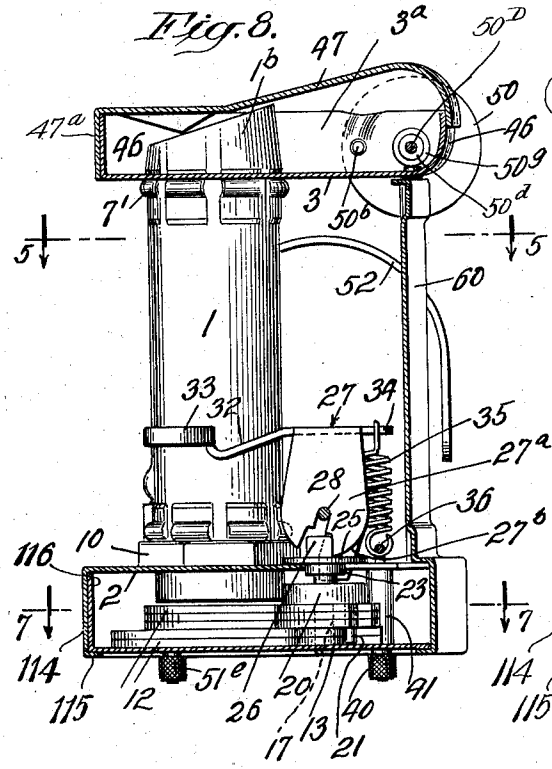
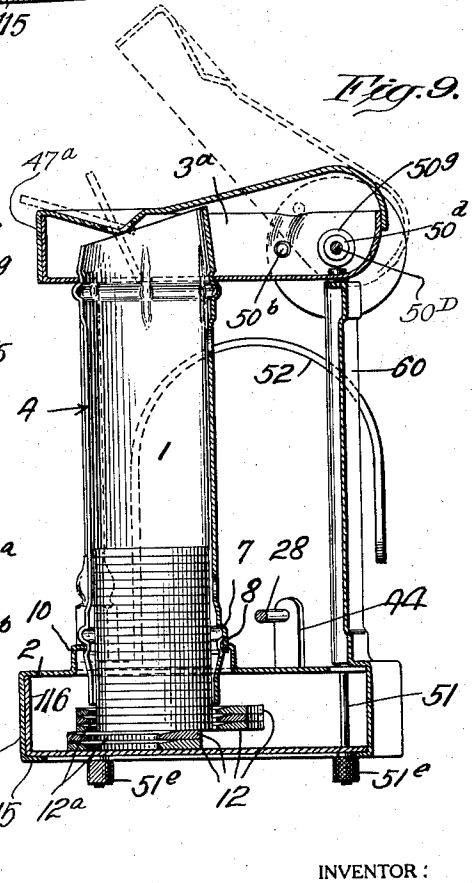



Fig. 9.




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COIN HOLDING AND DELIVERING DEVICE

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Fig. 10.

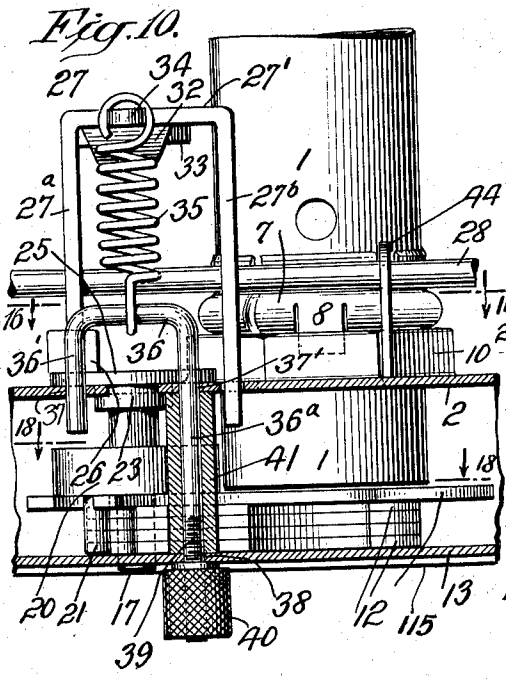



Fig. 11.

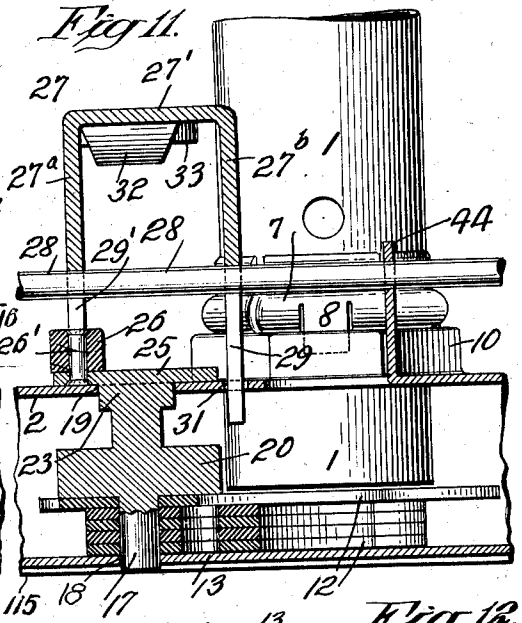



Fig. 12.

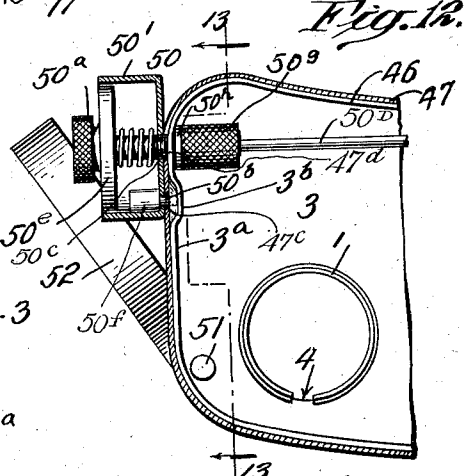
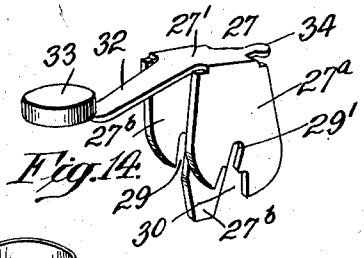



Fig. 14.



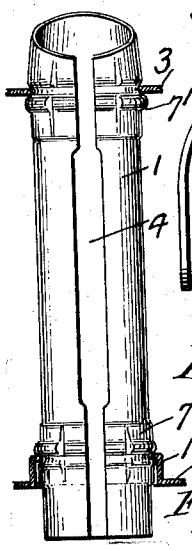




Fig. 15.

Fig. 25.

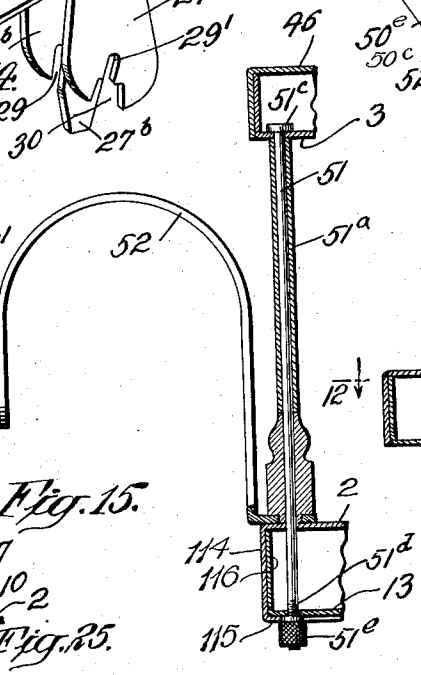
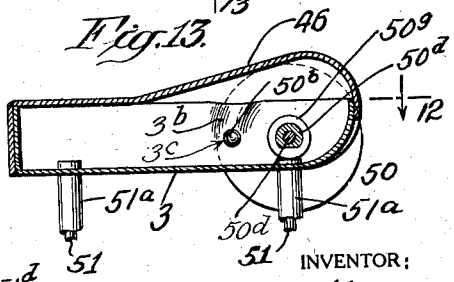



Fig. 13.




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COIN HOLDING AND DELIVERING DEVICE

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Fig. 16.

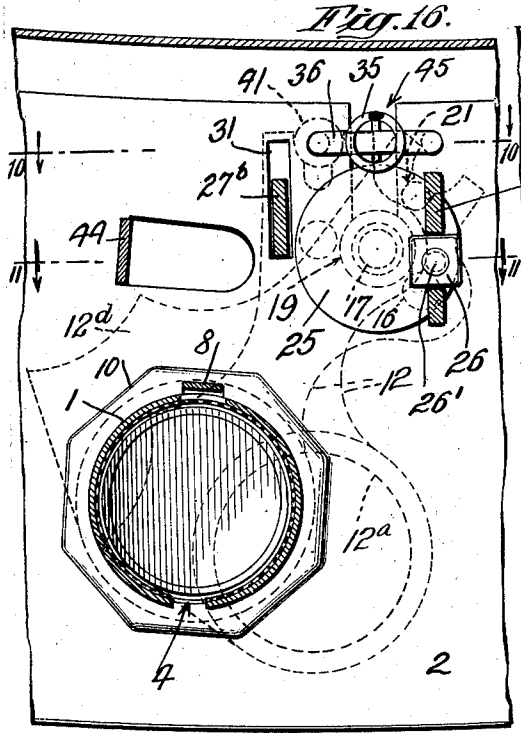



Fig. 17.

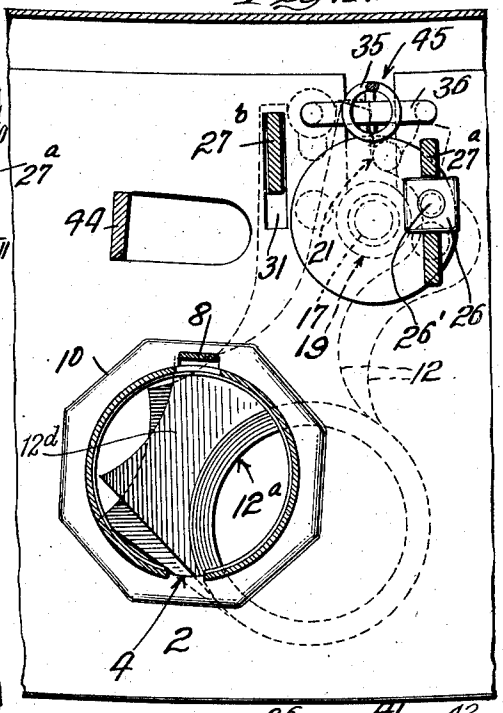



Fig. 18.

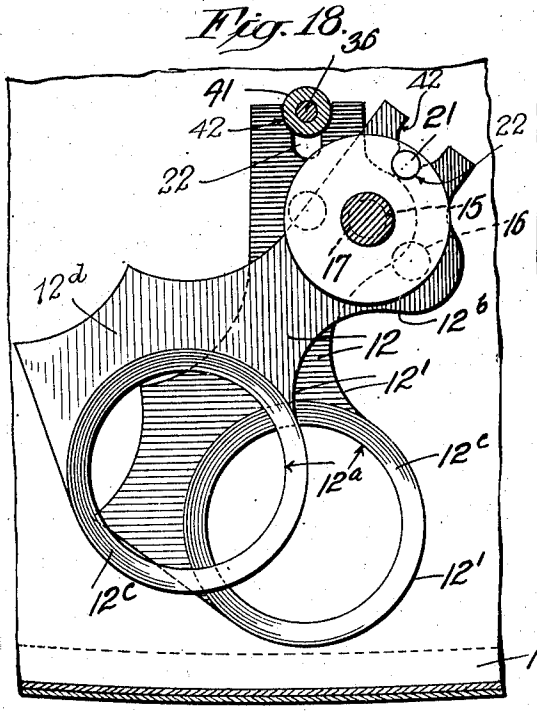
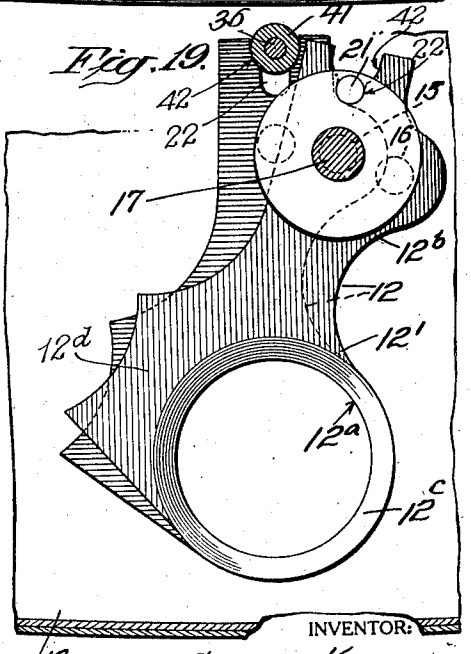



Fig. 19.




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COIN HOLDING AND DELIVERING DEVICE

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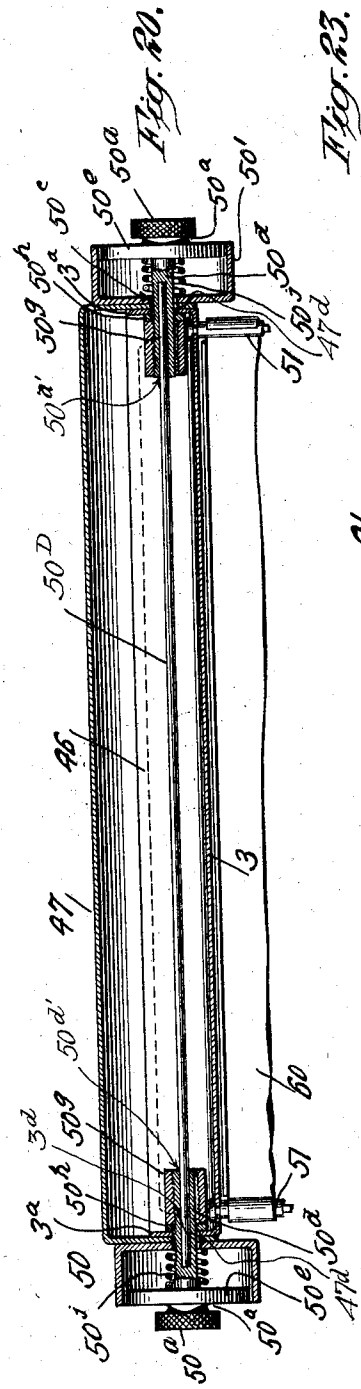


Fig. 20.

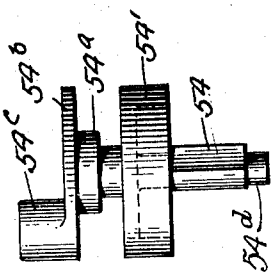


Fig. 23.

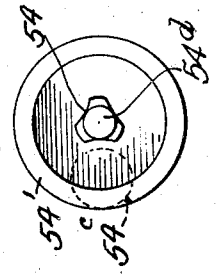


Fig. 24.

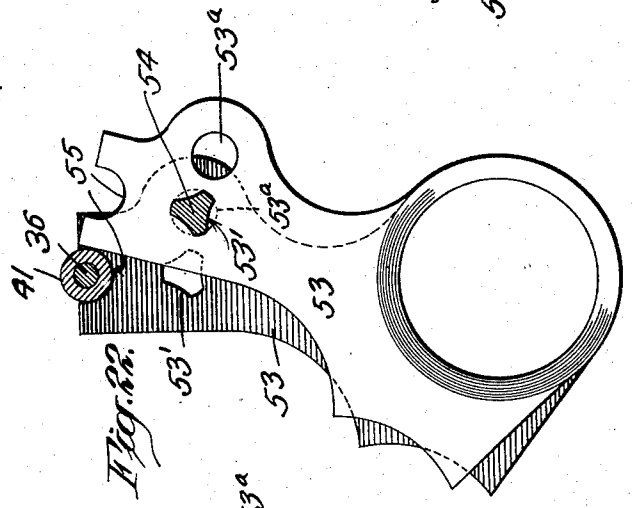


Fig. 22.

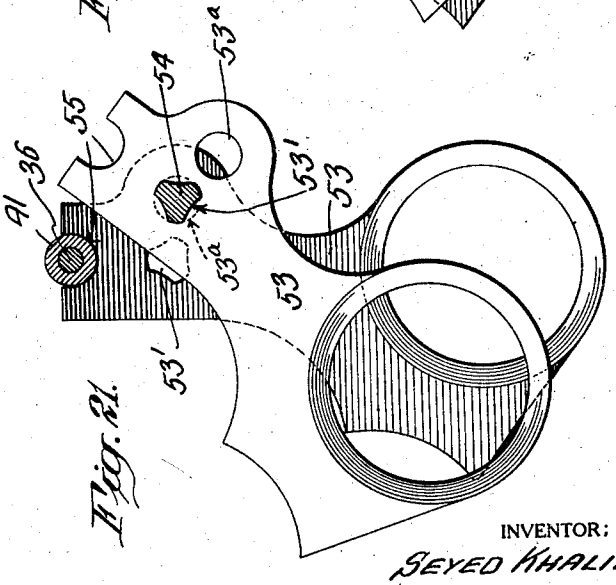


Fig. 21.

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Patented Feb. 11, 1930

1,746,398

# UNITED STATES PATENT OFFICE

SEYED KHALIL, OF NEWARK, NEW JERSEY

## COIN HOLDING AND DELIVERING DEVICE

Application filed August 13, 1925. Serial No. 49,908.

This invention relates to improvements in coin-holding and delivering devices of the character worn by conductors on street cars and by other persons for the purpose of readily making change.

One of the objects of this invention comprises the provision in a device of this character of novel coin-delivery mechanism which may be adjusted to deliver either a single coin or a plurality of coins simultaneously by a single manual operation.

Another object of my invention is to provide a novel method of mounting the coin-holding tubes in the base and top plates respectively whereby these tubes will be securely held in position by the inherent resilience of the metal thereof, and in assembly, may be sprung into the mounting openings or apertures in said plates by a single movement longitudinally of said tubes.

Another object of my invention is to produce a device of the character described, all of the parts of which are of standardized construction, parts of one device being interchangeable with similar parts of another device, so that repair parts may be kept in stock.

Another object of the invention is to produce a device of the character specified from such standardized die-formed parts which may be assembled without riveting or soldering any of the parts and when so assembled will be strong, rigid and durable.

Another object is to produce a device of the character described in which all the parts except the wires and springs are capable of being produced accurately by the use of dies or on screw machines; in which such parts may be assembled and taken apart without the use of tools so that a new or repair part may be substituted for a part that may have become damaged through accident or otherwise and such part may be readily replaced by the user of the device without the use of tools or other devices and without sending the device back to the factory for repair, it being necessary for the user merely to procure from the factory a new part for the one damaged or otherwise impaired and to make the substitution himself.

Another object is to produce a device capable of handling coins of the same denomination of varying thicknesses due to differences in the types of coins or to wear of similar types.

Another object of this invention is to provide a movement for the moving parts of the machine and so to mount and form the parts of the same as to avoid friction and consequent wear during use or movement of such parts.

Still another object of the invention is to provide a construction which may be emptied and filled by the user with greater speed than has heretofore been possible.

Still another object is to provide means to enable adjustment of the tension of the springs of the operating parts.

Another object is to provide delivery rings having bearing apertures of compound character to enable mounting thereof in operative and inoperative positions respectively.

Another object is to mount the return springs in such a manner as to avoid imparting torsional strains thereto.

Another feature of my invention comprises a novel method of releasably mounting the said operating mechanism. Thus all parts of the operating mechainsm are detachably mounted in such a manner as to be readily adjustable for simultaneously delivering, with one stroke of the key, any predetermined number of coins.

With these and other objects in view, the invention comprises the combination of members and arrangement of parts so combined as to co-act and cooperate with each other in the performance of the functions and the accomplishment of the results herein contemplated, and comprises in one of its adaptations the species or preferred form illustrated in the accompanying drawings, in which:—

Fig. 1 is a rear elevation of a coin-holding or delivering device embodying my invention;

Fig. 2 is a fragmentary view of the delivery end of one of the tubes and adjacent parts showing in vertical section one of the delivery mechanisms and the base and bottom plates;

Fig. 3 is a fragmentary view in horizontal section taken above one of the delivery rings in operative position;

Fig. 4 is a top view of my improved device;

Fig. 5 is a section on the line 5—5 of Fig. 8 looking in the direction of the arrow;

Fig. 6 is a broken view, in vertical section, showing the locking of the tubes with the edges of mounting openings;

Fig. 7 is a horizontal section on the line 7—7 of Fig. 8 looking in the direction of the arrow;

Fig. 8 is a vertical section on the line 8—8 of Fig. 1 looking in the direction of the arrow;

Fig. 9 is a vertical section on the line 9—9 of Fig. 1, looking in the direction of the arrow;

Fig. 10 is an enlarged rear elevation of one of the tubes and delivery mechanism cooperating therewith, part of the same being in a vertical section on the line 10—10 of Fig. 16, looking in the direction of the arrow;

Fig. 11 is a similar view partly in section on the line 11—11 of Fig. 16 looking in the direction of the arrow;

Fig. 12 is a fragmentary view in horizontal section on the line 12—12 of Fig. 13 showing one of the open unobstructed coin-holding tubes;

Fig. 13 is a section on the line 13—13 of Fig. 12, looking in the direction of the arrow;

Fig. 14 is a perspective view of a key-frame preferably employed by me;

Fig. 15 is a side view and elevation of the catching hook and adjacent mounting parts;

Figs. 16 and 17 are similar horizontal sections taken respectively on the line 16—16 and lines 17—17 of Figs. 10 and 2 respectively, showing varying positions of the delivery rings and operating mechanism and key-frames;

Figs. 18 and 19 are similar views on the lines 18—18 of Fig. 10 and 19—19 of Fig. 2 showing two of the delivery rings, one being mounted for movement and the other held in stationary position;

Fig. 20 is a section on the line 20—20 of Fig. 4 looking in the direction of the arrow;

Figs. 21 and 22 are illustrative plan views showing a single bearing opening of compound character in the delivery rings;

Fig. 23 is a side elevation of an operating member adapted to cooperate with the rings shown in Figs. 21 and 22;

Fig. 24 is a top or plan view of the device shown in Fig. 23. Fig. 25 is a front elevation of a tube and its mounting plates.

Referring now to these drawings, which illustrate a preferred embodiment of my invention, 1 indicates a series of vertically-disposed coin-holding tubes varying in diameter in accordance with the denominations of the coins to be handled. These tubes 1 are mounted between a base plate 2 and an upper tube mounting plate 3.

One of the features of my improved construction comprises a novel method of mounting these tubes. Thus, the tubes are detachably connected adjacent to opposite ends to the base and upper tube-mounting plates respectively by a simple single movement of said plates longitudinally over the ends of the tubes as illustrated in Figs. 6 and 25, advantage being taken of the inherent resilience of split metal tubes to lock the same in place. The tubes are preferably split longitudinally to provide vertical slots 4 extending from end to end so as to permit contraction of the diameter of each of the tubes upon assembly or mounting and to enable the resilience of the metal to be taken advantage of in springing into place and locking the same in mounting openings 5 preferably circular in outline in said base and upper mounting plates 2 and 3, locking grooves 6, 6′ are stamped in the peripheries of the tubes 1 adjacent to the opposite ends thereof into which grooves the edges of the openings 5 seat, thus effectively locking the tubes against longitudinal movement. Suitable means is provided for locking the tubes against rotating or turning movement and, as illustrated, a single tongue 8 (see Fig. 6) is struck up from the metal of each of the tubes adjacent to the locking grooves 6 and this tongue during the mounting of the tubes extends into a notch 9 formed in the edge of the said mounting openings 5 in the base plate so that locking of the tubes in place may be effected by a single movement longitudinally of the tubes. The metal of the tubes below the plate 3 and above the locking grooves is pressed upwardly to form ornamental base and top moldings 7, 7′ for the tubes and the metal surrounding each of the tube-mounting openings in the base plate is pressed upwardly to form part 10 of the base and to make a seat joint. When the base and upper mounting plates are so locked to the tubes above and below said integral moldings, a structure of considerable rigidity is produced, which, however, is preferably strengthened and reinforced as hereinafter specified.

A relatively deep delivery-ring compartment 11 adapted to permit stacking of a plurality of delivery rings 12 is provided below said tubes. As shown, a bottom plate 13 similar in outline to the base plate and having coin-discharge openings 14 is spaced below the base plate 2, to provide between it and the said base plate 2, the said relatively deep lower compartment 11 within which are supported the delivery rings 12 and a part of the operating mechanism therefor.

Mounted below each tube 1 within said compartment 11 to oscillate into registration alternately with the bottom of a tube and a

coin-discharge opening 14, is a plurality or series of such delivery rings 12 all preferably of similar outline or conformation.

As shown, there are four tubes and four series of delivery rings, the rings of each series being of different proportions in accordance with the size or diameter of the tubes and the coins adapted to be handled thereby, said particularly Fig. 7. In the preferred form shown, each of such rings comprises a single piece of metal having a body portion 12′ provided with a coin-seating opening $12^a$ and a shank portion or rocking arm $12^b$ by means of which the ring is pivoted and oscillated or rocked from its coin-receiving position beneath the tube to its coin-delivery position registering with the coin-discharge opening in the bottom plate.

These rings are flat and the thickness of the metal of the coin-delivery ring will of course correspond to the thickness of each coin being handled thereby, so that the movement of one or a group of these rings against a column of coins will only displace from such column the number of coins corresponding to the number of delivery rings.

The coin-seating opening $12^a$ in each of such rings is, however, provided with a beveled edge $12^c$ extending from the top surface toward the bottom surface so that the thickness of the said ring at the line of contact with the coin is so reduced as to be considerably less than the thickness of the metal of the ring and also considerably thinner than the thickness of any coin to be handled by a particular ring. It will be apparent that rings having coin-seating openings so beveled will be enabled to engage and discharge one or a group of coins of the same denomination which may vary somewhat in thickness due to differences in the types of such coins or to wear of coins of similar type.

It will also be apparent that when a plurality or series of these rings are arranged with the coin-seating openings $12^a$ in registration and such a plurality or series are oscillated beneath a coin-tube, coins, corresponding to the number of rings, will drop down within the composite opening or pocket thus formed and upon oscillation of the rings together or simultaneously this plurality or series of coins will be moved into registration with the coin-discharge opening in the bottom plate so as to be simultaneously discharged therethrough.

In the preferred embodiment of my invention, a series of five rings is provided for each tube and the rocking arm or shank $12^b$ is provided with a dual mounting comprising, as shown, a pair of mounting apertures 15 and 16 arranged to permit one or more members of a series to be mounted in operative or non-operative position. The member rings which it is desired to place in operative position have one of the mounting apertures 15 on a vertical ring-pivoting shaft 17 in position to be oscillated back and forth as aforesaid by a mechanism engaging a shank arm of the ring. The other rings of a series are mounted by passing the other aperture 16 over said shaft so as to assume a stationary position above and in registration with a coin-discharge opening 14.

One of such rings may be rocked alone or a plurality thereof may be rocked simultaneously, while the remaining rings of the stack remain in stationary position having their openings registering with the coin-delivery opening in the bottom plate and forming a support for the ring or rings which are oscillated as aforesaid. When some of the rings are thus placed in inoperative position above the discharge opening it is desirable to provide a shelf or table over which the remaining oscillating rings will move the coins, and for this purpose each of the rings is provided with a lateral extension or coin-supporting table $12^d$.

In the preferred embodiment of my invention, the ring or rings which are to be oscillated are mounted on the vertical ring-pivoting shaft 17 mounted at one end in a bearing aperture 18 in the bottom plate 13 and at the other in a bearing aperture 19 in the base plate 2. Said shaft 17 is provided intermediate its ends with an oscillating pulley 20 having a downwardly-extending ring-engaging pin 21 eccentrically mounted thereon and adapted to engage a notch 22 at the end of the shank arm of such of the series of rings as have been placed in operative position. Said ring-pivoting shaft 17 also has at its upper end a bearing collar 23 fitting within the bearing aperture 19 in the base plate 2 and a driving disc or pulley 25 fixed on said shaft above said collar and having eccentrically mounted on its upper surface a vertically-disposed pivoted projection 26 in the form of a square block which is so pivoted on an axis or pin 26′ parallel to the axis of rotation or oscillation of the shaft.

In the preferred embodiment shown, the shaft 17, discs or pulleys 20, 25 and collar 23 are preferably formed in one piece while the eccentric projections 21 and 26′ on the respective discs or pulleys comprise pins driven into openings drilled therein.

The ring-pivoting shafts 17 are each oscillated through the engagement of the pivoted block 26 by a tiltable member oscillating in a vertical plane about a horizontal member, and, as shown, is so oscillated by a tiltable key-frame 27 which, in the preferred embodiment shown, is pivoted by bearing notches 29, 29′ upon a horizontal rod 28. The swinging of this block 26 on the fixed disc 25 during the oscillation of the ring-pivoting shaft 17 by the tiltable moving, as aforesaid, in a vertical plane about a horizontal pivot, greatly reduces friction in the movement of said

parts. Each key-frame 27, comprises a body portion 27′ having at one side thereof a downwardly-extending operating-arm 27ª having a notch 30 engaging said pivoted block 26 and at the opposite side is provided with an elongated guide arm 27ᵇ extending into a slot 31 formed in the base plate 2 at the opposite side of said bearing aperture 19 within which the ring-actuating shaft is mounted. Said key-frame is also provided with a forwardly-projecting lever arm 32, the forward end of which is provided with an operating key or finger piece 33. The rear end of the body portion of said key-frame has a spring-engaging lug 34 to which is connected one end of a coil-spring 35 which has its opposite end suitably anchored to provide spring pressure on the key-frame at the opposite side of the rod 28 on which said frame rocks. As illustrated, the spring is anchored at said opposite end upon a hook-shaped rod 36 having a bill 36′ and a shank portion 36ª both extending through holes 37, 37′ in the base plate. The end of the shank portion 36ª preferably also extends through a registering hole 38 in the bottom plate and is provided below said bottom plate with a screw thread 39 on which is mounted a knurled nut 40 to raise or lower the spring-engaging bill portion 36′ of said hook-shaped rod 36 for the purpose of varying the pressure of the spring applied to the key.

I also preferably provide on the shank of said hook within the ring compartment, a spacing ferrule or sleeve 41 which assists in strengthening or reinforcing the walls of said compartment.

In order to place one or a plurality of said delivery rings in non-operative or stationary position, the ring or rings so desired to be held stationary are removed from their operative position on the shaft 17 and the bearing apertures 16 are passed over said shaft 17. The shank of the ring will then be free from engagement with the rocking or oscillating projection 21 and the coin-seating opening will be positioned in registry with the coin-discharge opening 14 in the bottom plate 13. The end of the shank is provided with a notch 42 preferably engaged in the non-operative position of the arm by the sleeve 41 covering the tension-varying rod 36 so as to retain the same securely in such non-operative position.

The horizontal rod 28 on which the key-frames 27 are pivoted is preferably supported in bearings 44 formed by striking up lugs from the metal of the base plate 2 and the mounting or assembly of each of the one-piece ring-rocking elements is preferably accomplished by providing the base plate with an entrance slot 45 (see Figs. 5, 16 and 17) of less width than the diameter of the bearing hole or aperture 19 formed in said base plate and within which the bearing collar 23 is adapted to seat.

A novel filling compartment 46 is formed above said tubes and open upper end-portions 1ᵇ thereof, project into said filling compartment 46.

This latter compartment 46 is formed between the upper tube mounting plate 3 and a hinged cover-plate 47 fitting over and closing the free upper ends 1ᵇ of the tubes and having coin-slots 48 registering with said tubes 1.

The upper tube mounting plate 3 forms the bottom of the said filling compartment while the hinged top plate 47 forms the cover thereof.

At each rear corner of said machine is releasably mounted a joint pivot and latching mechanism 50 for hinging or pivoting the said cover-plate and locking or latching the same with upper tube-mounting plate.

The feature of my improved construction of said mechanism 50 comprises a novel method for detachably mounting the same. Thus all parts of the said mechanism are detachably mounted and arranged so as to have a stable and strong hinging connection of the cover-plate with the machine body and a positive latching of the same to the upper tube-mounting plate. The said locking mechanism will automatically lock or latch the cover-plate to the upper tube-mounting plate upon movement into closed position of the said cover-plate in such a positive manner as to make a manual manipulation of the said locking mechanism 50 at the opposite sides necessary in order to release the locking element. The said cover-plate will thus be held securely in closed position against the weight of any coins in the event that the device is turned upside down as is hereafter described.

Said upper tube-mounting plate 3 is, as shown in Figs. 1, 8 and 9, composed of a single piece of sheet metal bent at its marginal edge to provide a vertically-disposed marginal flange 3ª, which extends slightly above the upper open ends of the tubes. Said flange has an inturning lip 3ᵇ, a latching hole 3ᶜ and a pivot bearing 3ᵈ. The cover-plate 47 of this compartment is also formed of a single piece of sheet metal having struck out therefrom coin slots 48 which register with the tubes 1 and are preferably formed in depressed portion 48′ surrounding each of such coin slots 48. This cover-plate is also bent at its marginal edge to provide a vertically-disposed marginal flange 47ª which extends slightly below the said upper tube-mounting plate 3, when they are assembled, said flange 47ª having a latching hole 47ᶜ and a pivot bearing 47ᵈ.

The pivot and latching mechanism 50 comprises two parts, a pivot mechanism and a latching mechanism, one including a pivot

knob $50^a$ and the other a locking or latching knob 50′, both of which knobs have knurled finger grips. The said pivot knob $50^a$ has formed integrally therewith a closure plate $50^e$ and a pivot rod $50^d$, said rod being insertable from the outside through the pivot bearing $47^d$ of the cover-plate and through the pivot bearing $3^d$ of the upper tube-mounting plate and extending into the said compartment 46 within which two sets of knobs at opposite ends are detachably connected and secured together to provide a rigid pivoting means for the cover-plate.

In the preferred form of my invention, I preferably connect together the two said pivot rods $50^d$ by a connecting rod $50^D$. To releasably connect together the ends of the pivot rods $50^d$ through the connecting rod $50^D$ I have provided in each pivot rod $50^d$ a connecting aperture or hole $50^{d'}$ (see Fig. 20) in which the ends of the connecting rod $50^D$ are journalled and supported. To join the said pivot rods $50^d$ at opposite ends with the said connecting rod, I have threaded the outer ends of the pivot rods $50^d$ and mounted upon each threaded end, inside of the compartment 46 a knurled nut $50^g$ spaced from the flange $3^a$ by a lock washer $50^h$ (see Fig. 20).

In said preferred form of my invention, the latching mechanism comprises a hollow shell or cup 50′ provided with a central bore or bearing aperture $50^c$ through which passes the pivot rod $50^d$. Said knob 50′ has a latching projection $50^b$ engageable with the edge of the vertical flanges of the cover-plate and upper tube-mounting plate respectively through the holes $47^c$ and $3^c$. A stop pin $50^f$ is provided inside of each knob 50′ to limit the movement of the same against the said closure-plate $50^e$, a coil spring $50^j$ being inserted between said latching and pivot mechanism. This forms a spring-pressed latch or pin which provides means for enabling automatic latching upon the closing of the cover-plate into a closed position against the upper tube-mounting plate 3 and it will be seen that the releasing of said pin $50^b$ from its engagement with the hole $3^c$ in the flange of the plate 3 requires manual manipulation.

Said base plate 2, as shown, in Figs. 2, 5, 8 and 9 comprises a single piece of sheet metal bent adjacent to the marginal edge thereof at the front and side edges to provide a vertically-disposed rim portion and terminates in a horizontal inwardly-disposed marginal flange 115 which assists in supporting the bottom plate 13. The bottom plate 13 is also, as shown, in Figs. 2, 8 and 9 formed of a single piece of sheet metal and is preferably bent at its marginal edge along the front and sides to provide a vertical flange 116 which abuts against the inner surface of the vertical rim portion 114 of the base plate and seats on the horizontal flange 115, thus forming when properly spaced, a rigid construction capable of easy and quick assembly.

In the embodiment shown, I preferably reinforce the construction by providing posts 51 at the four corners of the device. These posts 51 preferably comprise two front hollow ornamental posts and two straight rear posts, each having sleeves $51^a$ of sufficient length to properly space and assist in supporting the upper tube-mounting plate from the base plate and have a rod $51^b$ provided with a head $51^c$ engaging the upper surface of the upper tube-mounting plate 3, a shank portion extending through an opening in said upper tube-mounting plate, thence through apertures in the base and bottom plates respectively and having at its lower end a screw thread $51^d$ which is engaged by a knurled nut $51^e$ so that the parts may be tightened up and strengthened by manipulation of said nut on the threaded rod. Two of these posts 51 are utilized to connect to the outer corners of the device attaching straps or hooks 52.

In Figs. 21 to 24 inclusive, I have shown a modified form of delivery ring 53 and a one-piece ring rocking element in which instead of utilizing an eccentric projection on a disc fixed with the operating shaft, I have employed a shaft 54 of polygonal cross section and have provided in the shank of the ring 53 two bearing apertures 53′ and $53^a$, the aperture 53′ having a polygonal conformation similar to the shaft so that the ring will be rocked or oscillated directly thereby when in operative position. The other aperture $53^a$ in said shank is adapted to fit over said shaft but not to lock or engage therewith whereby the ring may be positioned in non-operative position and held therein by engagement with a stationary part of the structure. In this modification, the end of the rings 53 are provided with a single notch 55 adapted to engage sleeve 41 of the rods 36 so as to hold the ring against pivotal movement on the rocking-shaft 54 and thus to retain the same in proper alignment with a discharge opening 14. The shaft 54 carries a disc 54′, a bearing collar $54^a$, and a disc $54^b$ having a stationary eccentric projection or tooth $54^c$ and also has a reduced cylindrical bearing portion $54^d$ at its opposite end.

It will be apparent from the above that by suitable adjusting of the rings 53 viz, by placing one or more members of a stack in operative position and the other members in inoperative position the number of coins which may be delivered by a single manual operation may be varied from one to five.

I also produce a device of the character described in which all of the parts are of standardized construction, parts of one device being interchangeable with similar parts of another device, so that repair parts may be kept in stock; that I employ standardized die-formed parts which may be assembled

without riveting or soldering any of the parts; that when so assembled a strong, rigid and durable device will result; that all the parts except the wires and springs are capable of being produced accurately by the use of dies or on screw machines; in which such parts including the mounting of the tubes and ring-operating mechanism may be assembled and taken apart without the use of tools whereby a new or repair part may be substituted for a part that may have become damaged through accident or otherwise; that such part may be readily replaced by the user without sending the device back to the factory for repair, it being necessary for the user merely to procure from the factory a new part for the one damaged or otherwise impaired and to make the substitution himself; that my improved device is capable of handling coins of the same denomination of varying thicknesses due to differences in the types of coins or to wear of similar types; that I also provide a movement for the moving parts of the machine and so mount and form the parts of the mechanism as to avoid friction and consequent wear during use or movement of such parts; that I also provide a construction which may be emptied and filled by the user with greater speed than has heretofore been possible; that I also provide means to enable adjustment of the tension of the springs of the operating parts; that I provide delivery rings having bearing apertures of compound character to enable mounting thereof in operative and inoperative positions respectively; that I mount the necessary springs in such a manner as to avoid imparting torsional strains thereto; that I provide my coin-delivery rings with an extension that forms a shelf over which coins may be slid when some of the rings are held in stationary position, and that I produce a compact construction and economize space.

In the preferred embodiment of my invention shown, the rear of the same is closed by a door 60 hinged on one of the posts 51 at one of the rear corners of the device and having a releasable frictional engagement with the post at the opposite rear corner.

Having described my invention, I claim:—

1. A coin-holding and delivering device embodying a group of coin rings and dual means for mounting said group to cause part of said group beginning at the bottom thereof to be retained in stationary position and the remainder to be mounted for oscillatory movement.

2. A coin-holding and delivering device embodying a base plate having a coin-inlet opening, a bottom plate spaced below said base plate having an outlet opening for discharging coins therethrough, and a group of coin-rings mounted between said base plate and bottom plate, each ring comprising a body portion having a coin-engaging opening and a shank member provided with a plurality of mounting apertures, one of which mounting apertures is adapted to mount the ring for oscillatory movement and the other to mount it in stationary position.

3. A coin-holding and delivering device embodying a base plate having a coin-inlet opening, a bottom plate spaced below said base plate having an outlet opening for discharging coins therethrough, and a group of coin rings mounted between said base plate and bottom plate above each of said outlet openings, each ring comprising a body portion having a coin-engaging opening and a shank member provided with a plurality of mounting apertures, one of which is adapted to mount the ring for oscillatory movement and the other to mount it in stationary position with its coin-engaging opening in registration with the outlet opening.

4. A coin-holding and delivering device embodying a base plate having an opening for the passage of a coin, a bottom plate spaced below said base plate having an outlet opening for discharging a coin therethrough, a coin-ring mounted between said base plate and bottom plate, an oscillatory ring-engaging member having operative engagement with said ring, an element arranged eccentrically in relation to said oscillatory ring-engaging member and interposed between said oscillatory ring-engaging member and the key frame, said eccentrically-arranged member being mounted on said oscillatory ring-engaging member to have oscillatory motion about an axis eccentric to the axis of said ring-engaging member, and a manually-operative key-frame having an operative engagement with said eccentrically-arranged element.

In witness whereof, I have signed my name to the foregoing specification.

SEYED KHALIL.