B. HAYNIE.

COIN SORTER.

APPLICATION FILED APR. 30, 1912.

1,070,601.

Patented Aug. 19, 1913.

Fig. 1.

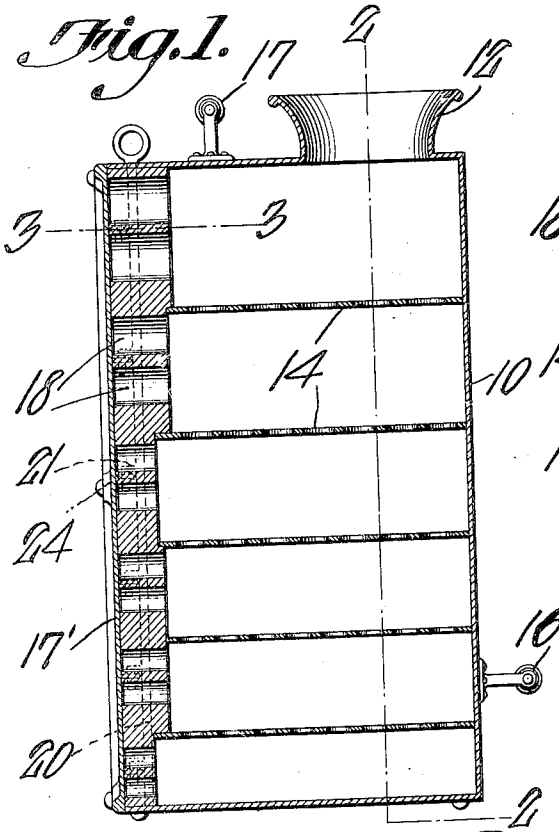


Fig. 2.

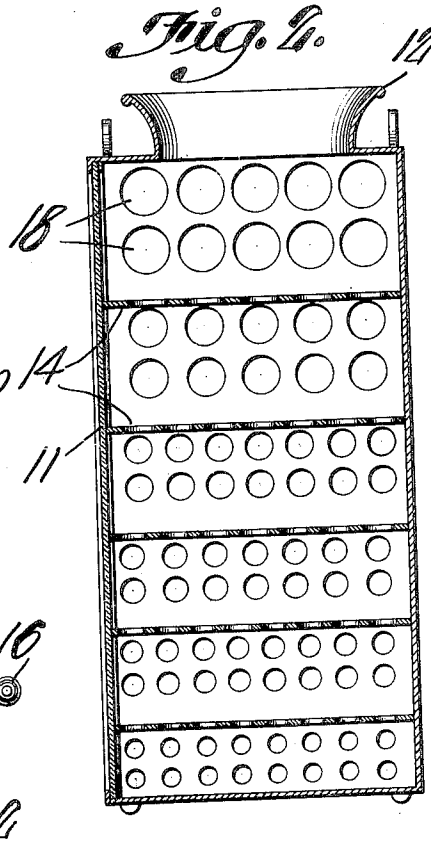


Fig. 3.

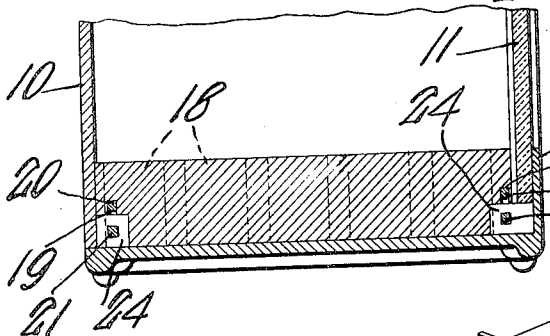


Fig. 4.

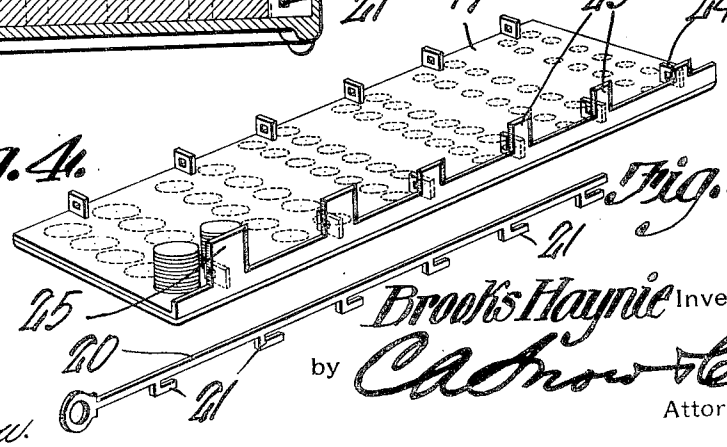


Fig. 5.

Witnesses:

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UNITED STATES PATENT OFFICE.

BROOKS HAYNIE, OF AUSTIN, TEXAS, ASSIGNOR OF ONE-HALF TO JAMES J. PARMELE, OF AUSTIN, TEXAS.

COIN-SORTER.

1,070,601. Specification of Letters Patent. Patented Aug. 19, 1913.

Application filed April 30, 1912. Serial No. 694,115.

To all whom it may concern:

Be it known that I, BROOKS HAYNIE, a citizen of the United States, residing at Austin, in the county of Travis and State of Texas, have invented a new and useful Coin-Sorter, of which the following is a specification.

This invention relates to coin sorters.

The primary object of this invention is to provide a device of this character which may be bodily manipulated to separate the coins.

A further object is to provide a receptacle for the coins, the coins being deposited in the receptacle and spaced according to their denomination and the receptacle being provided with a removable bottom on which the assorted coins are deposited in stacks.

In the drawings; Figure 1 is a vertical section. Fig. 2 is a section taken on the line 2—2 of Fig. 1. Fig. 3 is a section on the line 3—3 of Fig. 1. Fig. 4 is a perspective view of the removable base plate, and Fig. 5 is a detail view of one of the locking keys.

In the drawings 10 designates the casing which is preferably rectangular, one wall of the same being removed to receive a glass panel 11 which permits the operator to view the contents of the receptacle. The receptacle is provided with a hopper 12 in which the coins are deposited. The screens or separating plates 14 are disposed in spaced relation transversely of the receptacle, said plates dividing the same into a series of compartments the number of plates and compartments being optional, according to the denomination of the coins to be assorted. The uppermost plate 14 is formed with openings of a diameter which will prevent the fall of a silver dollar. The openings in the second plate while permitting smaller coins to pass through the same prevent the fall of a fifty cent piece the remaining compartments receiving quarters, nickels, pennies and dimes respectively. The coins are deposited within the hopper and the same agitated by the handles 16 and 17, the handle 16 being secured to the side of the receptacle and the handle 17 at the top thereof. It will be noted that the dollars will remain in the first compartment, fifty cent pieces in the second and so on, the coins being separated according to their denomination and retained in their separated condition by the plate 14. It will be noted that the coins may be viewed during the separating process through the glass panel 11.

The coin tray 17 shown in detail in Fig. 4 forms the wall of the receptacle remote from the glass panel 11 and this tray is provided with circular recesses which receive the coins, said recesses being disposed in rows and arranged in pairs, two rows of recesses being devoted to each of the compartments, the recesses varying in size according to the denomination of the coin, the rows registering with the corresponding spaces between the plates 14. The coin chutes or tubes 18 register with said recesses and the spaces between the plates, said tubes being formed of one or more blocks which are secured to the casing 10. These blocks are formed adjacent their edges with longitudinally disposed slots 19 each of which receives a key 20, said key being formed with L-shaped off sets 21. The base plate 17 is provided with apertured lugs 24 adjacent each edge which extend within the openings formed in the blocks which constitute the tubes, the key 20 sliding in the longitudinal slots in the blocks, the L-shaped off sets entering the apertures formed in the lugs 24 thus holding the base plate or tray in locked relation with the said blocks and casing.

When the coins have been assorted the box is laid upon one side with the plate 17 as the base, the coins stacking in the chutes which are disposed between the plates. The keys 20 are then withdrawn and the receptacle 10 lifted, the coins standing in stacks upon the plate 17 where they can be conveniently removed. In order to accurately determine the number of coins in each stack the edge of the plate 17 is upturned and provided with vertically extending gages 25 upon which are graduations.

It will be noted by this construction that the coins may be readily assorted and deposited in stacks, the number of coins in each stack being readily determined. The many advantages of a device of this character will be clearly apparent as it will be noted that the same may be easily and economically manufactured, the various parts being readily assembled.

What is claimed is:—

1. A coin sorter and stacker comprising a receptacle, perforated plates disposed in spaced relation transversely of said recep-

tacle, a coin receiver disposed longitudinally of said receptacle, said coin receiver comprising a plurality of tubes disposed longitudinally of the casing, and a plate removably secured to said coin receiver.

2. A coin sorter and stacker comprising a receptacle, perforated plates disposed in spaced relation transversely of said receptacle and dividing said receptacle into a plurality of compartments, a coin receiver comprising a plurality of tubes disposed longitudinally of the casing, a plate removably secured to said coin receiver by means of a key, and projecting lugs formed integral with said plate and having coin counting graduations marked thereon.

3. A device for sorting and stacking coins, comprising a receptacle, perforated plates disposed in spaced relation transversely of said receptacle, a coin receiver consisting of a plurality of tubes, a support for said tubes, said support being formed adjacent its ends with slots, a removable plate, said plate being formed with lugs entering openings formed in the tube support, and a key slidably disposed in each of said slots, said key being formed with offsets arranged to enter the apertures formed in said lugs, a plurality of projections formed integral with said removable plate and having thereon a series of coin counting graduations.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

BROOKS HAYNIE.

Witnesses:
N. H. DAWSON,
S. M. POSEY.