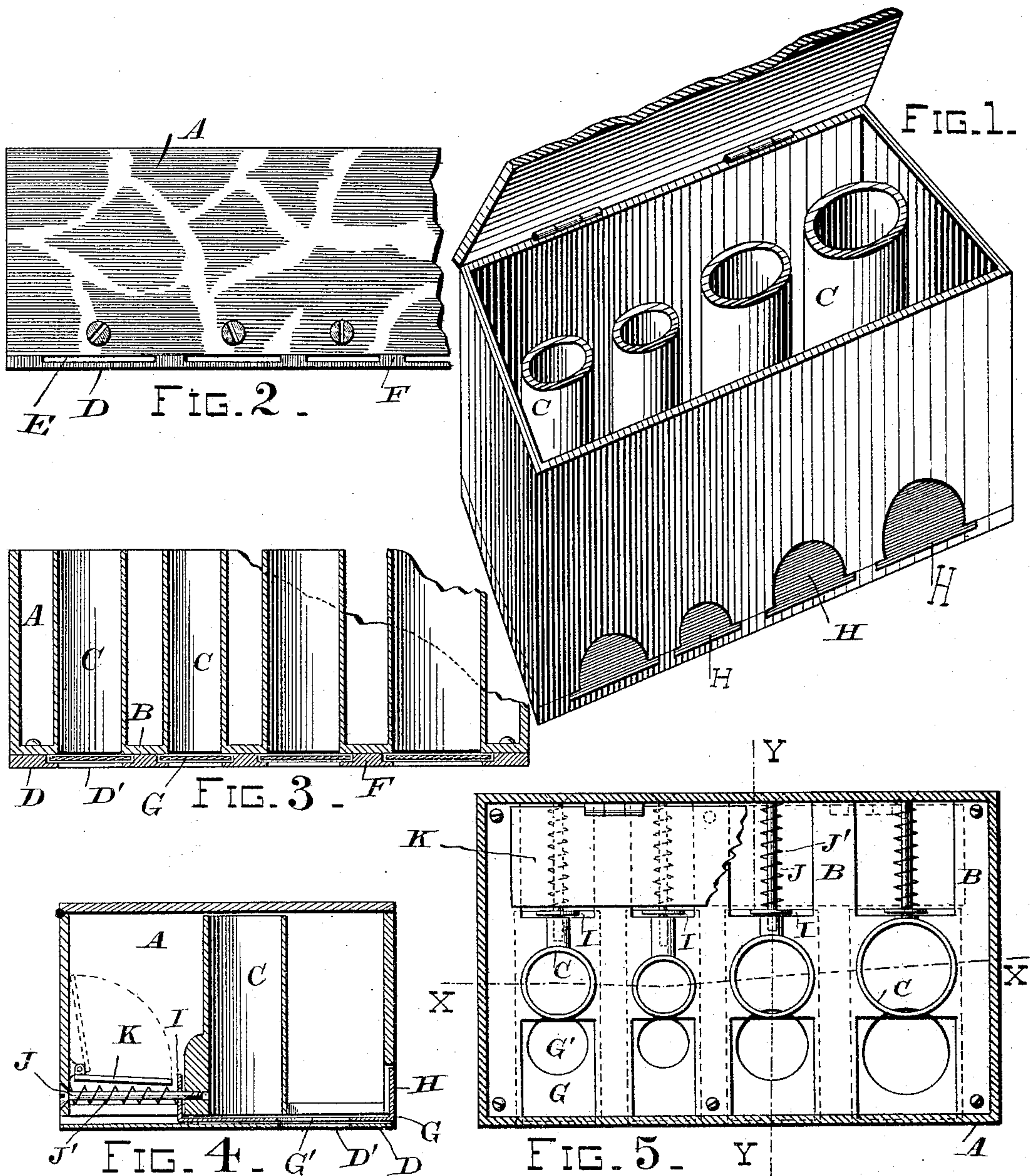


(No Model.)

D. R. FORD.
COIN CHANGER'S BOX.

No. 327,156.

Patented Sept. 29, 1885.



WITNESSES
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UNITED STATES PATENT OFFICE.

DANIEL R. FORD, OF SAN FRANCISCO, CALIFORNIA.

COIN-CHANGER'S BOX.

SPECIFICATION forming part of Letters Patent No. 327,156, dated September 29, 1885.

Application filed September 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, DANIEL R. FORD, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Coin-Changer's Box, of which the following is a specification.

The object of my invention is to provide a means whereby the coins necessary and requisite for making change by conductors or drivers of street-cars, and by other persons, can be easily and quickly presented in sums of one piece or denomination at a time. I accomplish this object by the means illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my money-changer with cover partly raised. Fig. 2 is a rear elevation, partly broken away. Fig. 3 is a longitudinal section taken on the line X X of Fig. 5. Fig. 4 is a cross section taken on line Y Y of Fig. 5. Fig. 5 is a plan or top view with hinged locking-plate partly removed.

Similar letters of reference are used to indicate like parts throughout the several views.

A is a rectangular box, which may be constructed of cast metal, and provided with a suitable close-fitting cover to be locked, as occasion may require.

Within the bottom of the box is fixed or cast a spaced grate-spider, B, having along its center a series of upwardly-extending tubes, C, which I denominate "coin-cells," and these cells are made of different diameters to suit the different denominations of coins to be employed, and are open at the top and base.

A closely-fitting base-plate, D, having coin-openings D', to correspond with the size of the coin-cells, is connected to the bottom of the box, so that spaced openings E are had between the bottom of the box and the grate or cell supporting spider B, and tongued strips F are placed under the grate-arms or cast upon the upper face of the base-plate, so as to form ways and provide spaces underneath the coin-cells.

Within the spaces of the spider or the cell-supporting grate operate sliding plates G, of different widths, and each having a round opening, G', to correspond with the openings

at the base of the cells, and also in the base-plate against which it is placed.

The outer or front ends of these plates are provided with push-plates H, which are bent up at a right angle from the end of the sliding plates and are let into the front side of the box, being flush with it when extended, while the inner end of each plate is provided with a button or stop, I, with a hole in it, and operates upon a stationary pin or rod, J, against a spiral spring, J', placed around the rod. These springs have their bearings against the stops and inner face of the back plate of the box, so that the sliding plates can be pushed forward or inward and carried outward or backward by the recoil of the spiral springs.

A hinged locking-plate, K, is connected to the back plate of the box or case, and when it is closed down upon the spiral springs its outer or front edge will rest against the stops I and lock them so that the sliding plates cannot be operated until the locking-plate is raised and thrown back against the back plate of the case.

In practice a sufficient number of coin-cells are employed to contain the size or denomination and quantity to be used in making change; and these coins are placed in their respective tubes or cells and the cover of the case or box securely locked, the inner face of the cover fitting down closely upon the upper faces of the cells so that the coins therein contained cannot be tampered with from the upper ends of the cells.

When desiring to make change, the locking-plate having been first raised from the stops I and thrown back, the operator presses the thumb against the push-plate opposite the coin-cell from which he wishes to obtain a coin, and forces the sliding plate backward or inward until its circular opening G' is beneath or under the base of that cell, when a coin will drop from the coin-cell into the round opening of the plate upon the inner face of the box. At the same time the operator will remove his thumb from the push-plate, and the sliding plate will move backward or outward, by reason of the spring J', and carry with it the coin until the round opening in the plate comes in line with the round opening in the

bottom of the box or case, when the coin will drop into the hand of the receiver, which is placed underneath, and so on with each and every cell.

5 Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the box A, cell-supporting spider B, coin-cells C C, base-plate D,
10 having coin-openings D' D', the sliding plates G, having coin-openings G' G', and provided

with push-plates H, and perforated stops I, the pins or rods J, having spiral springs J', and the locking-plate K, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal. 15

DANIEL R. FORD. [L. S.]

Witnesses:

CHAS. E. KELLY,
WILMER BRADFORD.