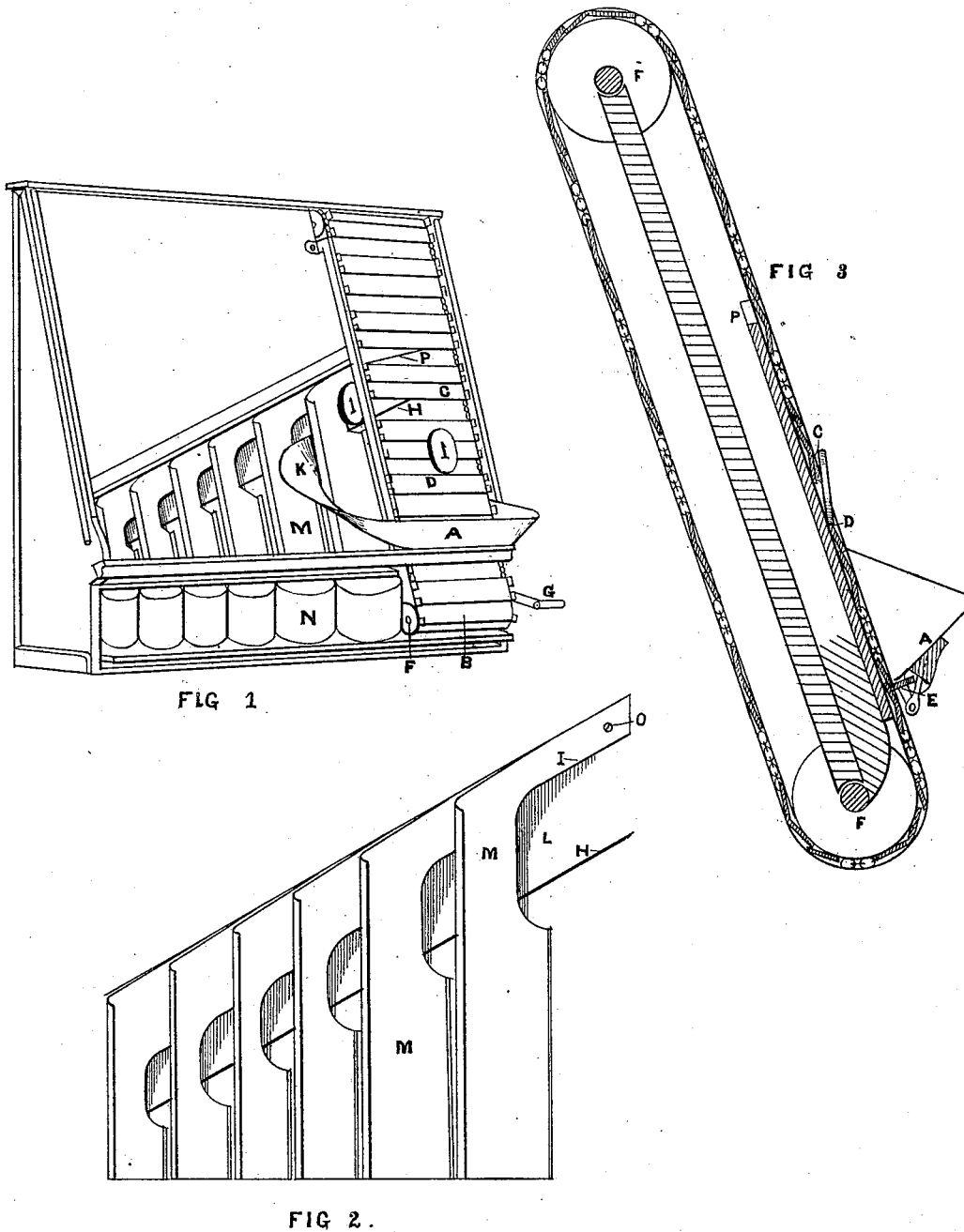


A. S. TYLER.  
Coin-Assorter.

No. 215,846.

Patented May 27, 1879.



Witnesses  
M. L. Burr.  
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# UNITED STATES PATENT OFFICE.

ALBERT S. TYLER, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN COIN-ASSORTERS.

Specification forming part of Letters Patent No. **215,846**, dated May 27, 1879; application filed March 3, 1879.

*To all whom it may concern:*

Be it known that I, ALBERT S. TYLER, of Chicago, county of Cook, and State of Illinois, have invented an Improved Apparatus for Assorting Mixed Quantities of Coin and Arranging it in a Compact and Regular Manner, of which the following is a specification.

In the accompanying drawings similar letters indicate like parts.

Figure 1 is a perspective of a device embodying my invention. Fig. 2 is a detail view of the incline, showing the edges or guides which raise the coins to their respective chutes; and Fig. 3 is a sectional view of the mechanism for separating and elevating the coin in small quantities from the receiver.

The mixed coins are placed in the receiver A, Fig. 1, and are carried up the incline B in small and regular quantities by their movable edges or projections D, which may be attached to chains running on spur-wheels or to other suitable mechanism.

The coins are prevented from falling between the incline B and receiver A by the catch or drop E, which is raised and lowered as the edges D pass between them.

The under surfaces of the coins are supported by inclined surfaces C until their lower edges have reached the upper edge of the incline at P, and are thus precipitated lower edge first onto the incline L, Fig. 2, down which they are guided by an oblique edge, ledge, or projection, H, less than one-eighth of an inch thick, and, preferably, one-sixteenth, to obviate the liability of coins remaining or sliding on each other, in which case they would fall below on the guide K, and return to the receiver A for a new trial. Said guide may be placed entirely under the chutes M, if desired.

On the inclined surface L, above the edge H, are attached by the screws O a series of adjustable edges or guides, I, at distances from the edge H regulated by the diameter of the

various coins. By these guides the coins in passing down the incline are raised from the same and guided onto their respective chutes M, and thence to their receptacles N.

A space should be left between edge H and chutes M to prevent clogging in case the coins slide over the said edge.

My claims are—

1. A series of thin movable edges or projections, D, less than one-eighth of an inch thick, in combination with an inclined surface, B, for the purpose of separating mixed coins in small quantities, elevating them from a receiver, A, and delivering them in a regular manner, substantially as described.

2. The combination of catch or drop E with receiver A and inclined surface B, to prevent coins falling between said receiver and incline.

3. In combination with inclined surfaces C and L, the use of very thin edges, ledges, or projections D and H, less than one-eighth of an inch thick, for coins to rest or roll on, and whereby they are prevented from rolling or remaining on each other, substantially as described.

4. The method of attaching the guides I to inclined surface L by means of screws O, whereby they may be easily adjusted for the various coins.

5. The combination of a series of guides, I, with inclined surface L and chutes M, whereby the coins are raised from said incline and guided onto their respective chutes M, and thence to their receptacles N, a space being left between edge H and chutes M to prevent clogging, substantially as set forth.

6. The arrangement of guide K, in connection with edge H, to return all coins to the receiver A that fall over said edge.

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Witnesses:

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