No. 850,817. PATENTED APR. 16, 1907.

A. A. CAILLE, G. HAMILTON & O. C. CURRIE.

COIN CONTROLLED MACHINE.

APPLICATION FILED SEPT. 11, 1905.

Fig. 2.

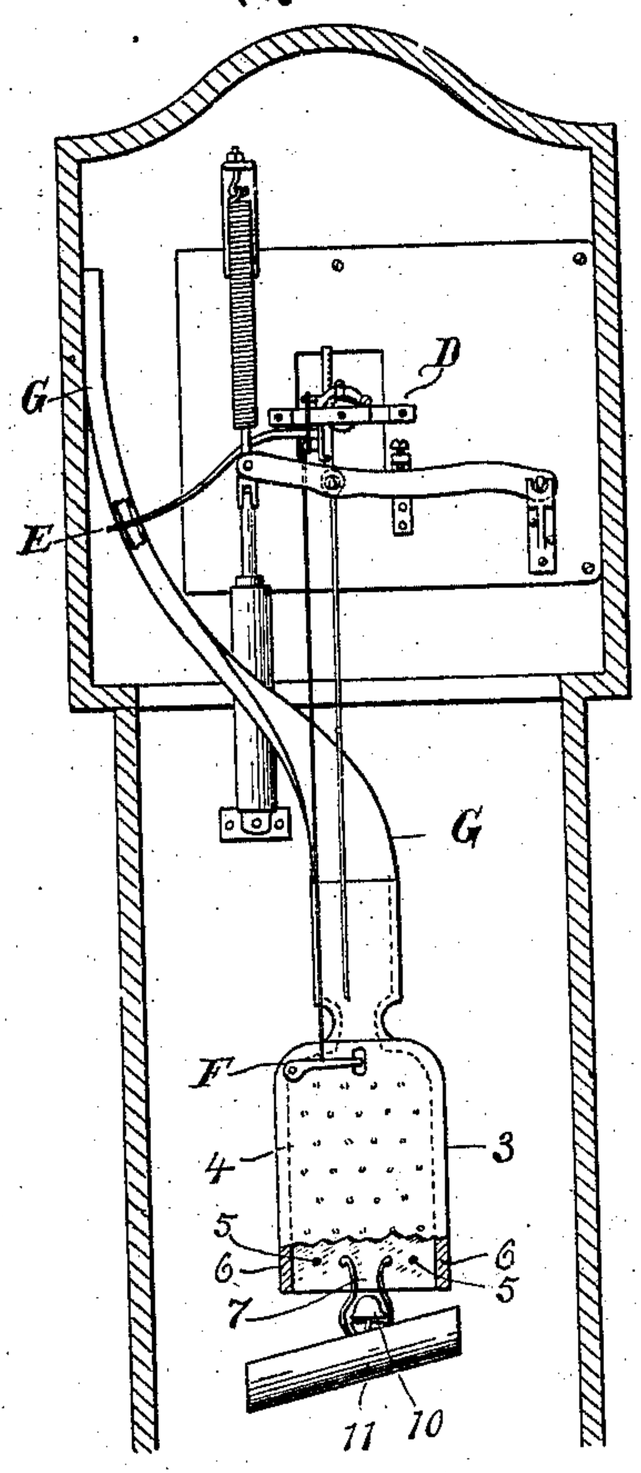


Fig. 1.

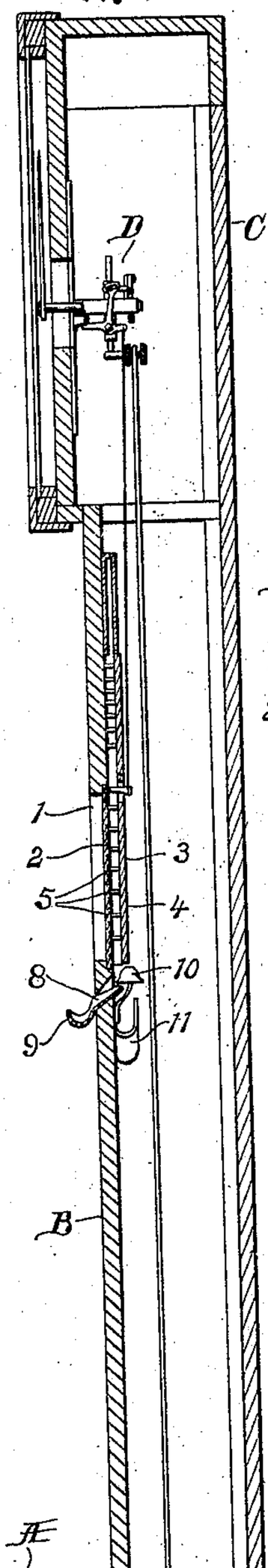


Fig. 3.

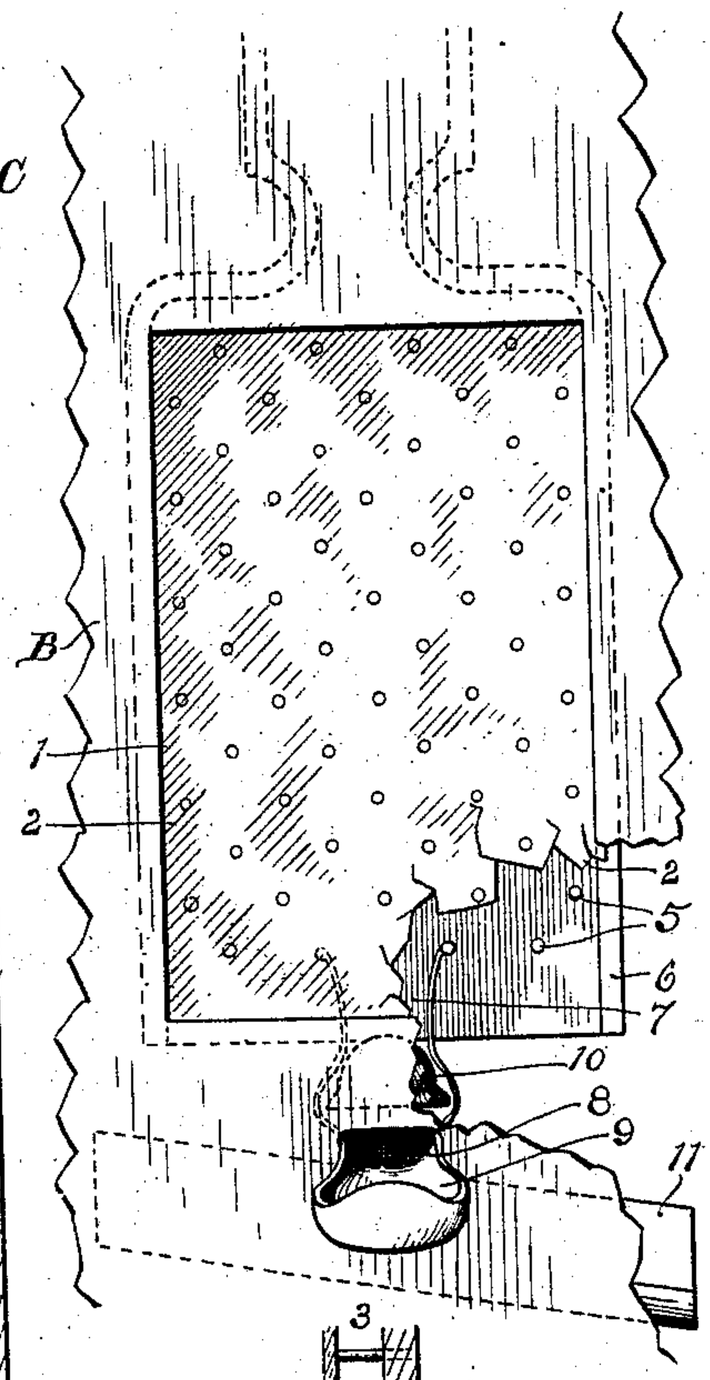
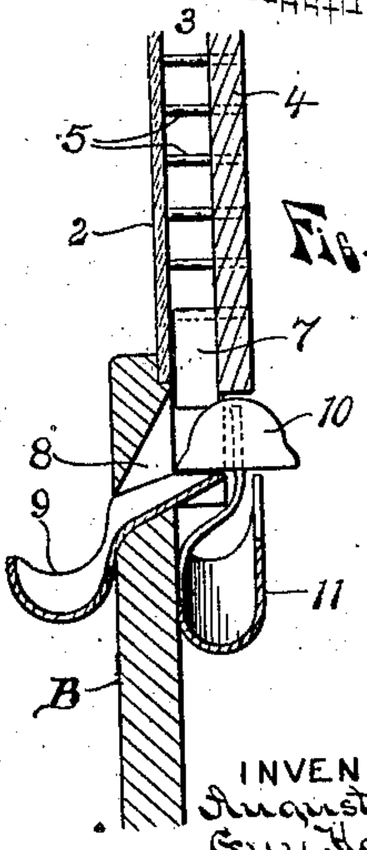


Fig. 4.



WITNESSES:
Louis E. Flanders
Thos. D. Longstaff.

INVENTORS=
Auguste A. Caille
Guy Hamilton
Otis C. Currie
BY Dickerson & Brooks
ATTORNEYS.

No. 850,816. PATENTED APR. 16, 1907.

W. E. BUSER.

BUTTON PROTECTOR FOR TUFTING MACHINES.

APPLICATION FILED NOV. 7, 1905.

2 SHEETS—SHEET 2.

Fig. 2.

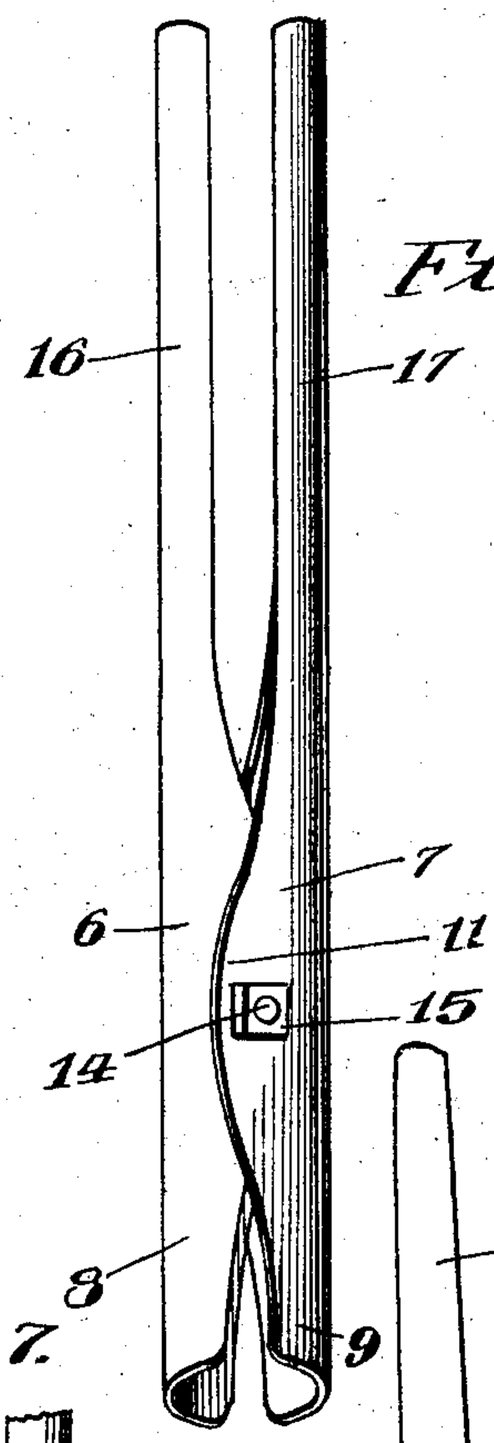


Fig. 3.

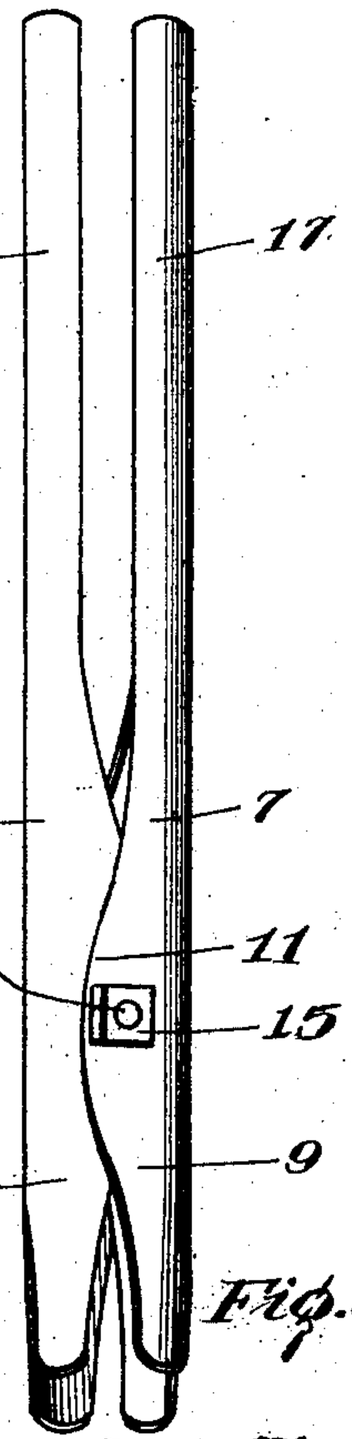


Fig. 7.

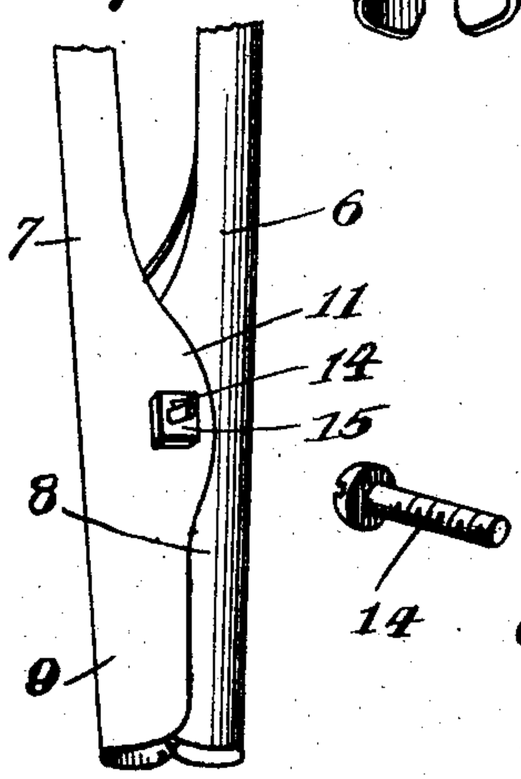


Fig. 6.

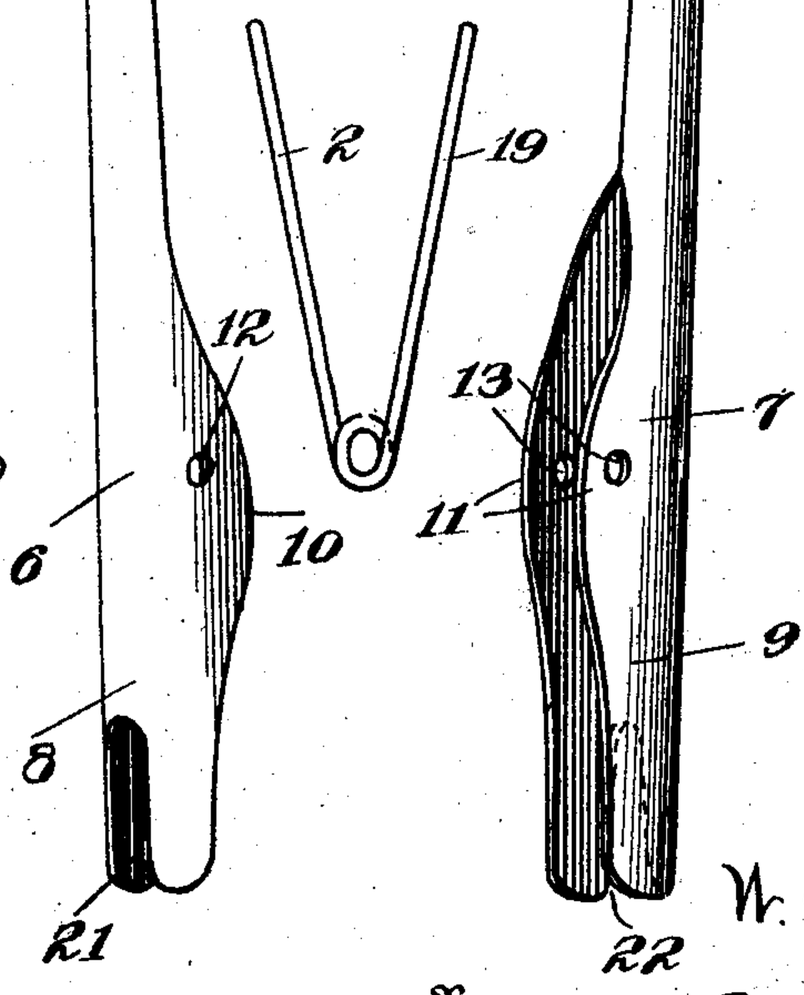
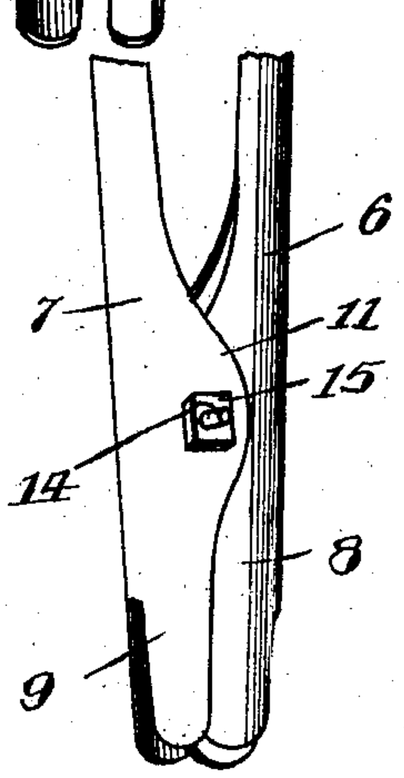


Fig. 8.



Witnesses
C. R. Wright Jr.
A. W. Chilling.

Inventor
W. E. Buser,
By A. S. Pattison,
Attorney

UNITED STATES PATENT OFFICE.

AUGUSTE A. CAILLE, GUY HAMILTON, AND OTIS C. CURRIE, OF DETROIT, MICHIGAN, ASSIGNORS TO THE CAILLE COMPANY, OF DETROIT, MICHIGAN, A COPARTNERSHIP.

COIN-CONTROLLED MACHINE.

No. 850,817. Specification of Letters Patent. Patented April 16, 1907.

Application filed September 11, 1905. Serial No. 277,903.

To all whom it may concern:

Be it known that we, AUGUSTE A. CAILLE, GUY HAMILTON, and OTIS C. CURRIE, citizens of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Coin-Controlled Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in coin-controlled machines; and the object of the invention is to provide simple and efficient means whereby the course which the coin will take after unlocking or otherwise operating the mechanism is made uncertain and whereby the coin will be returned to the operator provided it passes into a certain path, way, or channel, and if it does not will drop inside the machine and be retained as compensation for the privilege of operating the machine.

A further object of the invention is to provide a device having certain other new and useful features and embodying the several advantages of the particular construction, arrangement, and combination of parts, all as hereinafter more fully described, and shown in the accompanying drawings, in which—

Figure 1 is a longitudinal vertical section of a device embodying the invention; Fig. 2, a transverse section of the upper part thereof, showing the internal mechanism in rear elevation. Fig. 3 is an enlarged detail showing a front elevation of the coin-delivery device, with parts broken away to show the construction; and Fig. 4 is a sectional detail of the same.

For convenience of illustration we have shown our invention as applied to a coin-controlled weighing-scale, the weighing mechanism of which is shown in an application for Letters Patent of even date herewith; but we do not wish to limit ourselves to such combination, as this invention may be used in connection with any coin-controlled device.

As shown in the drawings, A represents the base or platform, B the upright column rising from the rear end of the base, and C the head or casing on the upper end of the column, of any ordinary coin-controlled weighing-scale.

D is the weighing mechanism, which may be of any desired construction, and the operation of which is controlled by suitable levers E and F, projecting into the coin-chute G in such a manner as to be moved by the weight of the coin falling thereon as it passes down the chute.

In the front side of the casing or column B is cut an opening 1, of any desired size and shape, and over this opening is secured a plate of glass 2, which forms the front side of a laterally-enlarged portion 3 of the chute. On the inner face of the back plate 4 of this enlargement of the chute are secured a series of pins 5, arranged in any desired manner and extending forward across the chute into contact with the glass. Edge strips 6 close the sides of the enlargement, and the coin-chute proper opens into its upper end with a flaring mouth, so that the coin will not be guided as it enters the enlargement, but will be free to take its own course.

Extending downward from two of the pins in the center of the lower end of the enlargement are two strips, which form between them a delivery way or passage 7, leading to an opening 8 in the front wall of the case, below which opening is secured a cup 9 for catching the coins escaping therefrom. A bell 10 is supported so as to project into the way adjacent to the opening and forms the rear side of the way below the back plate 4, so that a coin passing down the way will strike the bell, and thus call the attention of the operator to the return of the coin to him. The lower end of the enlargement is left open, so that all coins which do not pass into the way will fall into a spout 11, secured to the casing below said end and be conducted to any suitable receptacle within the machine.

After the coin has moved the lever or levers so that the weighing or other mechanism may operate it enters the upper end of the enlargement through the flaring mouth of the chute and striking the pins takes a zigzag course downward. The coin being unguided as it enters its course is influenced by the manner and rapidity with which it has traversed the chute, and therefore two coins seldom take the same course. The number of coins which will be returned to the operators depends upon the number of pins

and the size of the enlargement in proportion to the size of the open upper end of the delivery-way.

Having thus fully described our invention, what we claim is—

1. In a coin-controlled machine, the combination with the casing and means for controlling the operation of the machine adapted to be operated by a coin, of a coin-chute opening inside the casing, a way extending outside the casing and opening into the chute, and means within the chute above the open end of the way whereby the course which the coin will take is made uncertain.

2. In a coin-controlled machine, the combination with a casing having an opening in its forward side, of a coin-chute within the casing, a glass plate secured over the opening in the case and forming one side of an enlargement of the chute, a back forming the other side of said enlargement and spaced from the glass with the chute opening into the upper end of said space, pins on the back extending across the space, strips extending upward into the lower end of said space and forming between them a way extending through the front of the casing, a bell projecting at one side into the way below the back, and a cup on the outside of the casing to receive the coins from the way.

In testimony whereof we affix our signatures in presence of two witnesses.

AUGUSTE A. CAILLE.
GUY HAMILTON.
OTIS C. CURRIE.

Witnesses:
WALTER E. WHELAN,
W. W. STEELE.