A. C. GOULD.

TOY MONEY-BOX.

No. 180,574. Patented Aug. 1, 1876.

Fig. 1.

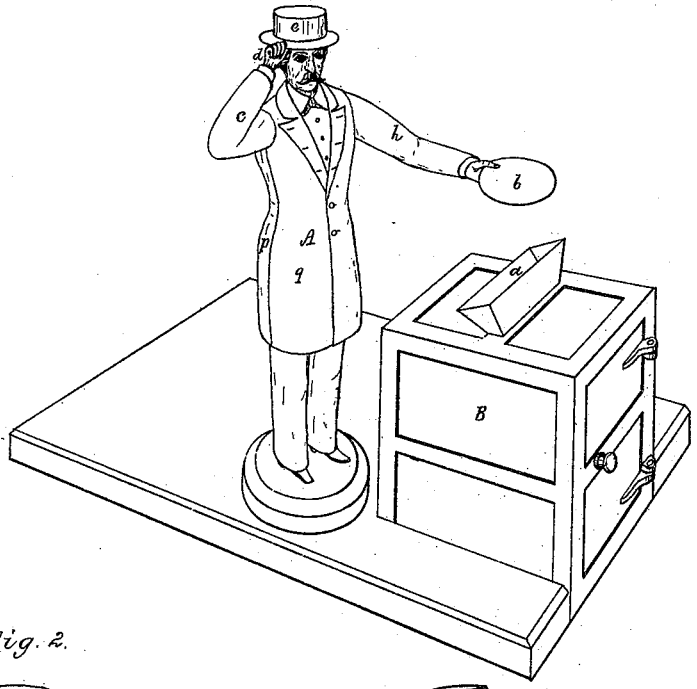


Fig. 2.

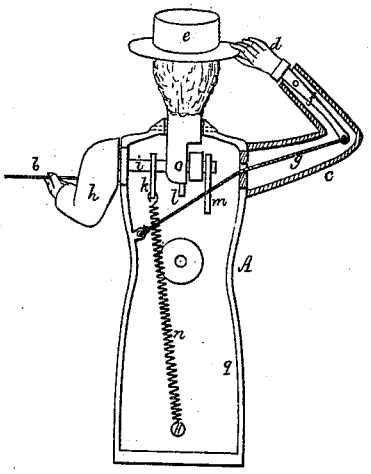
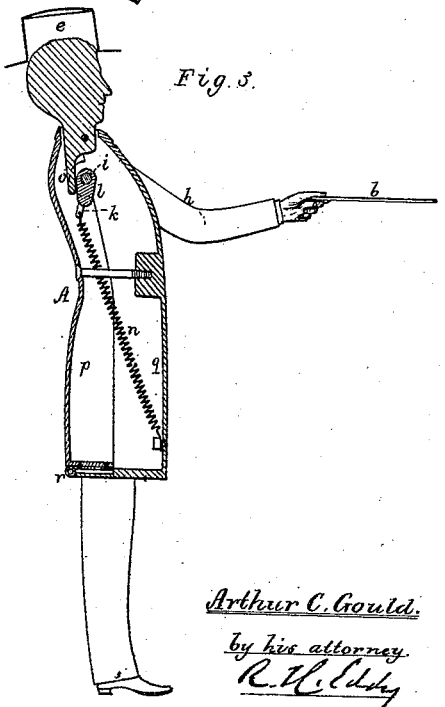


Fig. 3.



Witnesses.

S. N. Pipes

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UNITED STATES PATENT OFFICE.

ARTHUR C. GOULD, OF BROOKLINE, MASSACHUSETTS.

IMPROVEMENT IN TOY MONEY-BOXES.

Specification forming part of Letters Patent No. **180,574**, dated August 1, 1876; application filed June 28, 1876.

To all whom it may concern:

Be it known that I, ARTHUR C. GOULD, of Brookline, of the county of Norfolk and State of Massachusetts, have invented a new and useful Android, which may be termed the "Androidal or Automatic Cashier;" and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 denotes a perspective elevation of the automaton and its deposit-box or safe. Fig. 2 is a view of the mechanism within the body and right arm of the figure, Fig. 3 being a vertical section taken through the head and body.

The automaton A holds, by its left hand, a disk, plate, or salver, *b*, so arranged over the mouth or hopper *a* of a box or safe, B, that, on a piece of money being laid on the salver, the latter, by the weight of such piece, will be depressed, with the arm, through the sector of a circle, so as to cause the money to slide from the salver into the said mouth, from whence it will fall into the box or safe.

While the left arm of the automaton may be in the act of being depressed, the right hand, having hold of his hat, will be moved, so as to raise the hat a short distance from the head, which, in the meantime, moves forward and bows. Immediately on the piece of money escaping from the plate or salver, the left arm and salver will be raised, the head moved back, and the hat will be depressed.

The right arm *c* of the automaton is tubular and immovable relatively to the body, the hand *d* of such arm, holding the hat *e*, being fixed to a lever, *f*, which extends within, and is pivoted to, the arm. The tail or longer arm of the lever is fastened to a string, *g*, which, at its lower end, is secured to the body, the said string being arranged as represented.

The left arm *h* is fastened to one end of a short shaft, *i*, pivoted within the upper part of the body, and having three short arms, *k l m*, extended from it, as shown. The arm *k* is fixed to one end of a helical spring, *n*, whose other end is fastened to the lower part of the body. The head, pivoted to the body at the neck, has a projection, *o*, extending down from such neck and inward of the middle arm *l*. The arm *m* bears against the string *g*.

On depressing the left arm the spring will be expanded, and the arm *m* will be forced against the string, and will so move it as to cause the right hand and the hat to be raised. The head, by the action of the arm *l* against the projection *o*, will be caused to bow. On raising the left arm the head will fall back, and the hat and right hand will move down, such being effected by the reaction or contractile power of the spring.

The body is hollow, and made in two parts, *p q*, the back portion, *p*, being hinged to the front part, the hinge being shown at *r*.

I claim—

1. The android or automaton, provided with the movable plate-holding arm *h* and the movable hat-holding hand *d*, and with mechanism, substantially as described, to cause raising of the hand and hat to take place while the arm *h* may be in the act of being depressed, and reverse movements of the said arm, hand, and hat to follow on the removal from the arm of the article or piece used in effecting its depression, such mechanism consisting of the lever *f*, cord *g*, string *n*, shaft *i*, and arms *k m*, all being applied and arranged essentially as set forth.

2. The android or automaton, provided with the movable plate-holding arm, head, and hat-holding hand, and with mechanism, substantially as described, to cause the hat to be raised and the head to bow while the arm may be in the act of being depressed, and reverse movements of the said arm, head, movable hand, and hat to follow on the force used in depressing the arm being removed from it or its plate, such mechanism consisting of the lever *f*, cord *g*, spring *n*, shaft *i*, its three arms *k l m*, and the projection *o*, all being arranged and applied essentially as set forth.

ARTHUR C. GOULD.

Witnesses:

R. H. EDDY,

J. R. SNOW.