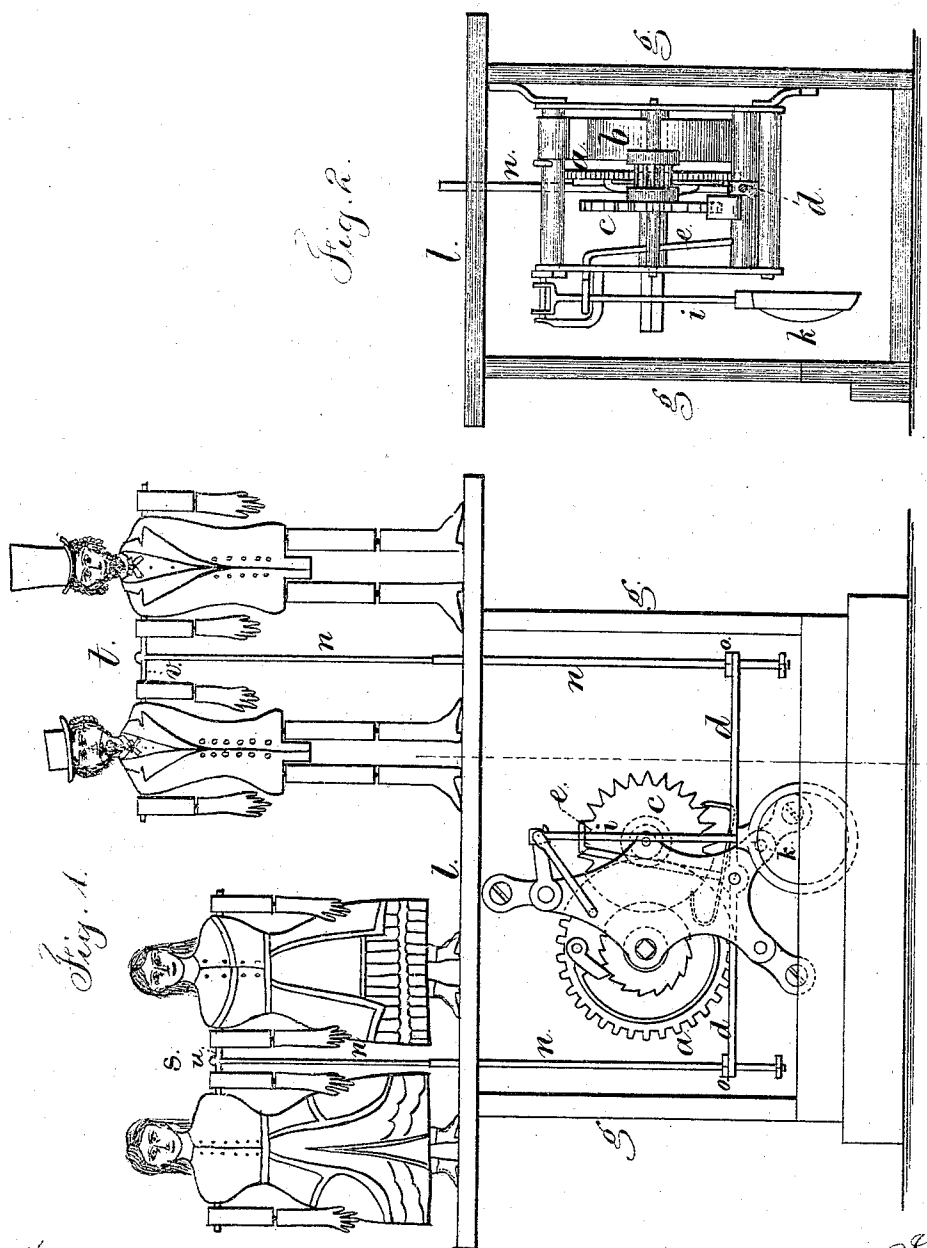


W. L. HUBBELL.
Automatic Toy Dancers.

No. 147,558.

Patented Feb. 17, 1874.



Witnesses

Chas. H. Smith
Geo. J. Pinckney

Inventor

William L. Hubbell
per Lemuel M. Serrell
att'y

UNITED STATES PATENT OFFICE.

WILLIAM L. HUBBELL, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN AUTOMATIC TOY DANCERS.

Specification forming part of Letters Patent No. 147,558, dated February 17, 1874; application filed January 22, 1874.

To all whom it may concern:

Be it known that I, WILLIAM L. HUBBELL, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Toy Dancers, of which the following is a specification:

Toy dancers have been made with jointed figures moved by or upon a vertical rod, so as to perform various grotesque movements; and the figure has also been placed at the end of a spring-arm actuated by an escapement.

My invention is adapted especially to the moving of pairs of figures in dancing and waltzing; and consists in a rocking escapement-lever and pendulum combined with loose vertical wires, that carry at their upper ends the dancing figures; and when these figures are used in pairs they are held by a cross-bar, that passes through the figures near the shoulders. The figures have jointed legs, and the vertical wires are revolved by the inclination of the figures, producing a pawl action of the legs upon the platform upon which they dance.

In the drawing, Figure 1 is an elevation of the apparatus with the front of the case removed to show the mechanism, and Fig. 2 is a side view of the mechanism.

The train of gearing *a* is actuated by a spring, *b*, and drives an escapement-wheel, *c*, that gives a rocking movement to the lever *d*, and from this lever *d* an arm, *e*, extends upwardly to the rod *i* of the pendulum *k*. This pendulum, in swinging, insures the proper movement of the parts, as its inertia overcomes any slight resistance from the figures or the moving parts.

The spring is to be wound up from time to time, and the mechanism is within the case *g*, the top *l* of which forms a platform for the dancers. The vertical rods *n* pass through the platform *l*, and through eyes at the ends of the levers *d*, and the nuts *o* serve to raise or lower those rods, and adjust the dancing figures, so as to act correctly in relation to the platform.

One or more jointed figures may be applied to each rod *n*. I have shown pairs of such figures at *ss* and *tt*. They are held in place by the cross-pieces *uv*, that pass through the figures at or near the shoulders; and by this means the figures may be properly positioned, and the movement that is given to such figures is very amusing, and especially so to children, for the figures jump up and down, and the legs act as pawls to force the figures around and rotate the vertical rods *n*.

I claim as my invention—

1. The lever *d*, operated by clock-work, and controlled by an escapement, in combination with the pendulum *k*, vertical rods *n*, and dancing figures, substantially as set forth.

2. The figures *st*, united in pairs to the wires *n* by means of the cross-bars *ut*, in combination with the lever *d* and adjusting-nuts *o*, substantially as set forth.

Signed by me this 19th day of January, A. D. 1874.

WM. L. HUBBELL.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.