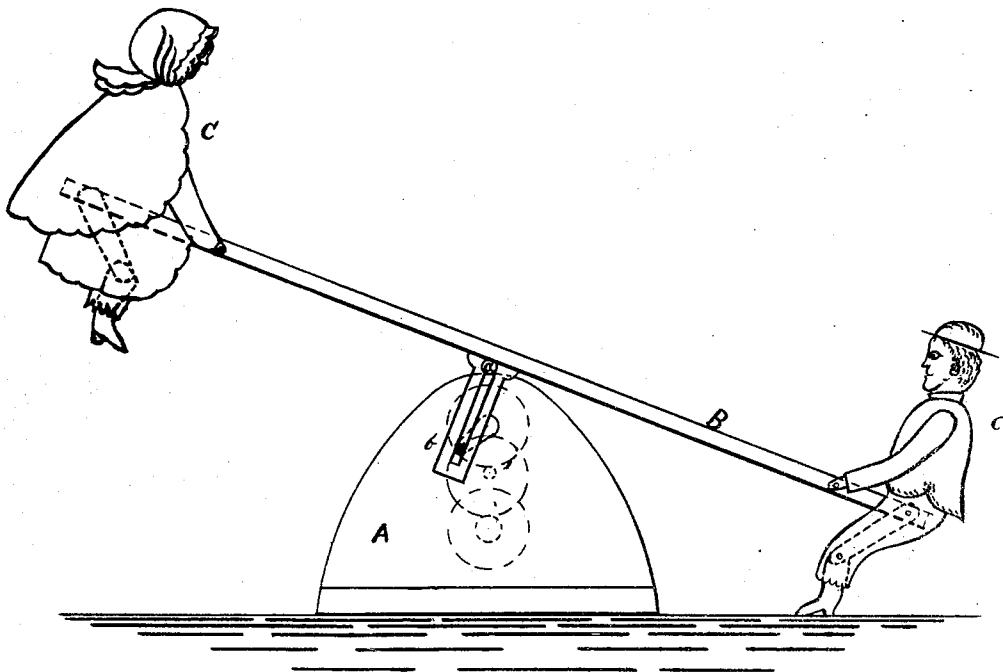


A. H. DEAN.
Automatic Toys.

No. 144,892.

Patented Nov. 25, 1873.



Attest Witnesses Inventor
Geo. J. Skantz *Albert H. Dean.*

UNITED STATES PATENT OFFICE.

ALBERT H. DEAN, OF BRIDGEPORT, CONNECTICUT.

IMPROVEMENT IN AUTOMATIC TOYS.

Specification forming part of Letters Patent No. **144,892**, dated November 25, 1873; application filed February 25, 1873.

To all whom it may concern:

Be it known that I, ALBERT H. DEAN, of Bridgeport, county of Fairfield, State of Connecticut, have invented a Toy See-Saw, of which the following is a specification:

My invention consists, first, in the attachment to the balance of a slotted arm worked by a clock-movement, and in the use of double-jointed metallic legs to the images to assist in changing the motion of the lever.

In the drawings, Figure 1 is a view, in elevation, of the toy.

A A is the frame or standards, partly inclosing the clock-movement, and forming a support for the lever-fulcrum *a*; B, balance; C, image; *b*, slotted arm. The frame A I construct of thin wood, for side pieces, and unite them together by a covering of paper. In this the clock-movement is secured. On the top of these side pieces are fixed bearings for the fulcrum *a*. The balance B is also of thin light wood. The fulcrum is attached to this underneath, and has also attached to it the slotted arm *b*. To work this slotted arm a pin is secured to the side of a wheel of the clock-movement and slides up and down in the slot as it revolves carrying the arm with it, this, in turn, producing a see-saw movement of the

balance B. On the outer ends of this balance the images C are secured. To assist in changing the direction of the balance I make the legs double-jointed, and of greater comparative weight. The upper portion of the legs is set at an angle, and so secured that when the lower portion strikes the table it will operate as a spring and give the balance an upward motion. The clock-movement is wound up in the usual way.

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the standards A, the pivoted balance B carrying the toy figures C at each end, and provided with the slotted guide piece *b* for the reception of a crank-arm operated by clock-work, substantially as described.

2. In combination with the subject-matter of the preceding claim, the toy figures C, provided with the loosely-jointed metallic legs, as and for the purpose specified.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

Witnesses:

ALBERT H. DEAN.

A. SKAATS,

GEO. B. COWLES.