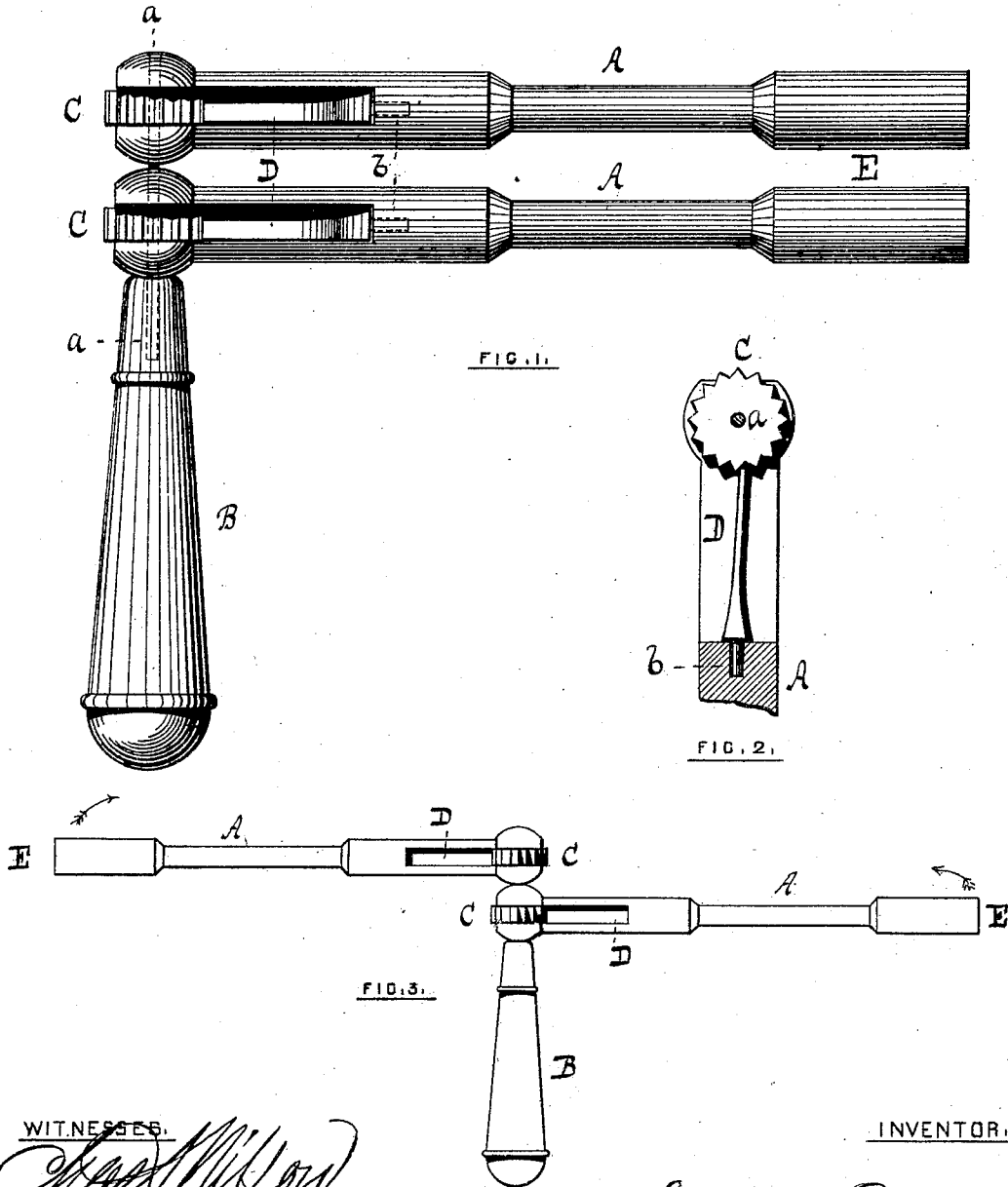


E. RICE.
TOY RATTLE.

No. 174,704.

Patented March 14, 1876.



WITNESSES.

James M. Low

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UNITED STATES PATENT OFFICE.

EDWARD RICE, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN TOY RATTLES.

Specification forming part of Letters Patent No. **174,704**, dated March 14, 1876; application filed January 24, 1876.

To all whom it may concern:

Be it known that I, EDWARD RICE, of the city and county of Providence, in the State of Rhode Island, have invented a new and Improved Toy Rattle; and declare the following to be a specification thereof, reference being had to the accompanying drawing.

Figure 1 is a full view of my invention. Fig. 2 is a longitudinal section of one of the arms, showing the clapper and ratchet-wheel in combination, and also the manner of securing the clapper in position. Fig. 3 shows the opposite revolution of the arms.

Like letters indicate like parts.

My invention consists of a toy rattle, similar in operation to a watchman's rattle, but having two arms revolving in opposite directions. Instead of doweling the clapper in place, as described, it may be made in one straight piece, and be inserted and fastened, by glue or otherwise, in a narrow slot cut for that purpose within the arm A.

This rattle may be made of wood or any any other suitable material. Its parts are thus described: Two arms, A A, are slotted at the end to receive the rattling mechanism and revolve loosely on a rod, *a*, which connects the arms with the handle B. Within the slot of the arm A is a ratchet-wheel, C, fitting tightly upon the rod *a*. Against this ratchet-wheel plays a tongue or clapper, D, of wood or any suitable material of sufficient elasticity. The clapper is doweled into the arm within the slot by means of a dowel-pin, *b*. By this arrangement the clapper operates equally well whichever direction the arm is swung. The arms terminate in a knob or enlargement, E, thereby giving additional weight, to furnish momentum when revolving.

The mode of operation is as follows: To

swing one of the arms A by giving it, by the handle, a rotary motion, while the other arm is prevented, at the same time, from revolving; but, when the first arm has acquired full momentum, the second arm is thrown by the hand over in the opposite direction. The result is that the two arms revolve in opposite directions at the same time, and both rattles are in full operation, thus constituting an amusing toy.

This mode of fixing the clapper-tongue may be successfully applied to the larger or watchman's rattle. As now made, the clappers of such rattles are fastened upon one side of the swinging arm. The result is that the rattle can be sprung in only one direction, as in case it is swung in a wrong direction the clapper acts as a pawl against the ratchet-wheel, and prevents the revolution.

If the clapper were doweled, as above described, within the arm, the arm could be swung in either direction with effect.

I therefore claim as a novel and useful invention, and desire to secure by Letters Patent—

1. The combination, in a rattle, of two arms A A, capable of revolving in directions opposite to each other, with a rattling device, C D, substantially as described.

2. The combination of the arms A A, weighted at E E, and slotted at one end, the handle B, with its rod *a*, the ratchet-wheel C C, and its clappers D D, with dowel-pin *b*, all made and arranged to operate substantially as specified.

EDWARD RICE.

Witnesses:

WARREN R. PERCE,
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