

R. Ward,

Toy Knight.

No. 110,519.

Patented Dec. 27, 1870.

Fig. 1

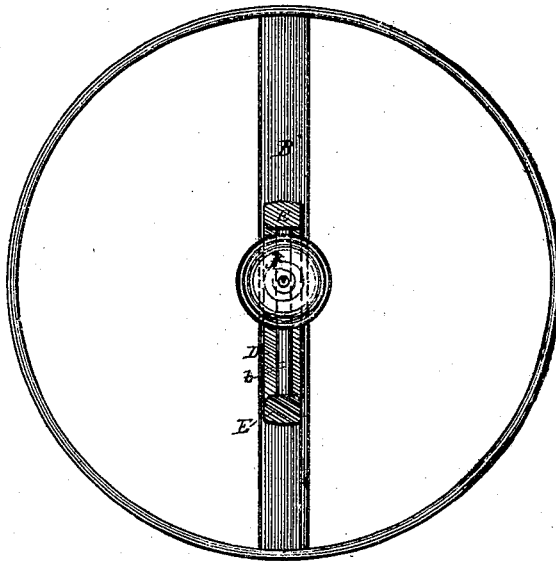


Fig 2.

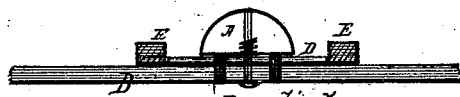
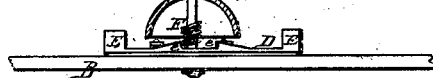


Fig. 3.



Witnessed
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RIVERA WARD, OF NEWARK, NEW JERSEY.

Letters Patent No. 110,519, dated December 27, 1870.

IMPROVEMENT IN TOY-HOOPS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, RIVERA WARD, of Newark, in the county of Essex and State of New Jersey, have invented a new and improved Toy-Hoop, of which the following is a specification.

Nature of Invention.

This invention consists in attaching to the cross-bar or bars of a toy-hoop one or more bells, in such a manner that the bell or bells are acted upon by a hammer formed with a slotted plate, which slides upon pins or studs in the cross-bar or bars, and, as the hoop is rolled, the hammer or hammers strike the bell, and are then thrown out of contact with the same by means of a spring located upon the stud or pin of the bell.

In the accompanying drawing—

Figure 1 is a front elevation of my device.

Figures 2 and 3 are central vertical longitudinal sections.

A is the bell, secured by a pin or stud to a cross-bar, B, of the hoop C.

Upon this cross-bar B slides a metallic plate, D, formed or provided with hammers, E E, and a longitudinal slot, *b*, in such a manner as to slide and strike the bell.

Upon the cross-bar are secured T-shaped studs or pins, which embrace the sliding metallic plate D and guide it in its up-and-down motion.

e e are projections or lugs formed with the sliding plate in such a manner as to engage with the spring F, which is coiled around the bell-post, with one end secured to the cross-bar and the other free. When the hammers strike the bell the free end on one side engages with the lug *e* and the plate is thrown back out of contact with the bell. The other end of the wire is raised sufficiently far above the bar to allow of its action on the opposite lug.

It will be seen that as many cross-bars and bells as is desirable can be used, and, if different-toned bells are used, a very pleasing effect will be produced.

What I claim is—

1. A toy-hoop, provided with cross-bar or bars and stationary bells, the same being operated by means of a sliding plate carrying hammers, substantially as set forth.

2. The sliding metallic plate D, provided with a slot, *b*, stops or lugs *e e*, and a hammer or hammers, E E, substantially as and for the purpose described.

3. The spring F, arranged in connection with the bell A and sliding plate D, and operating substantially as and for the purpose specified.

RIVERA WARD.

Witnesses:

OLIVER DRAKE,
ABRAHAM MANNERS.