

(No Model.)

R. H. RICKER.

MECHANICAL TOY.

No. 300,799.

Patented June 24, 1884.

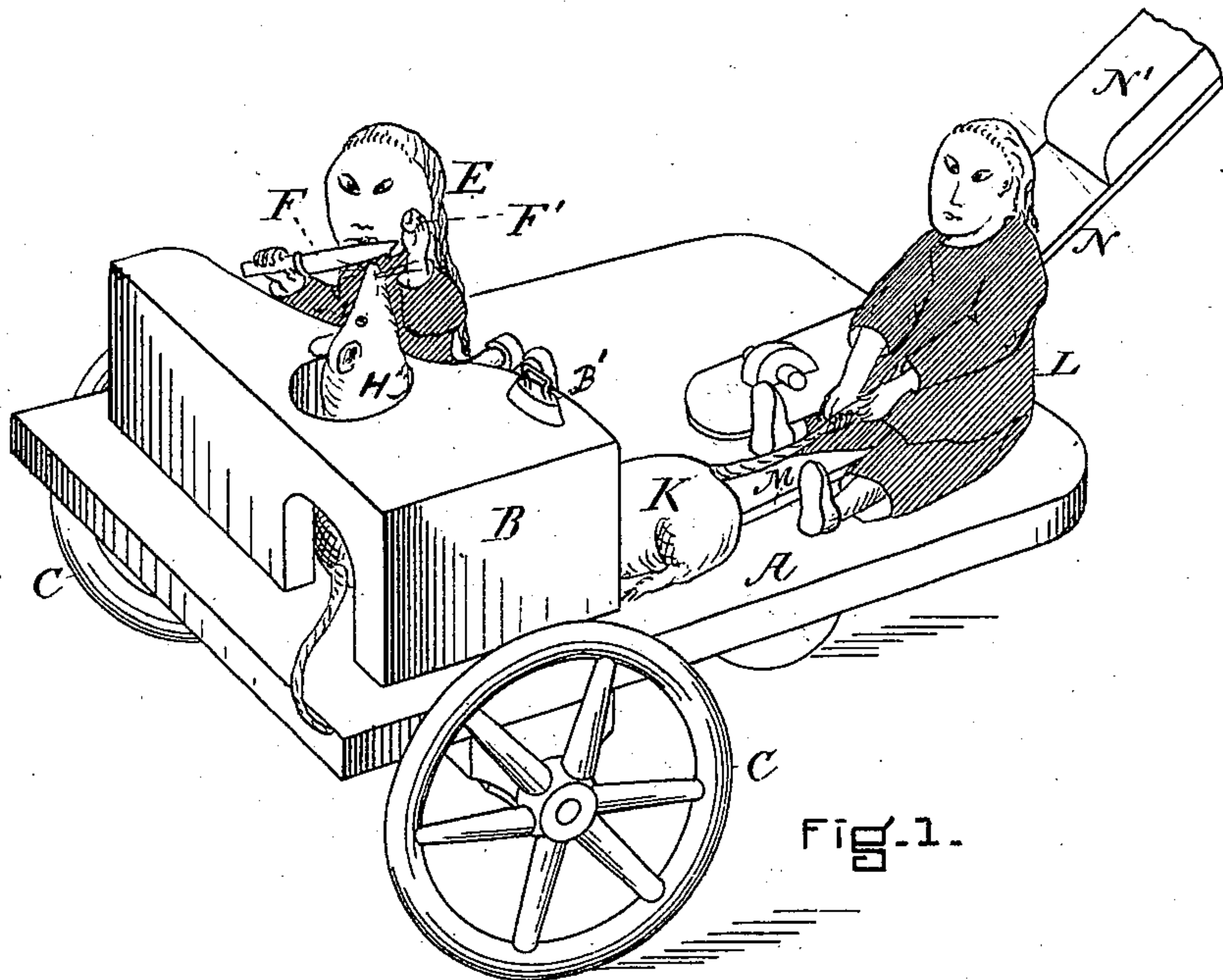


Fig. 1.

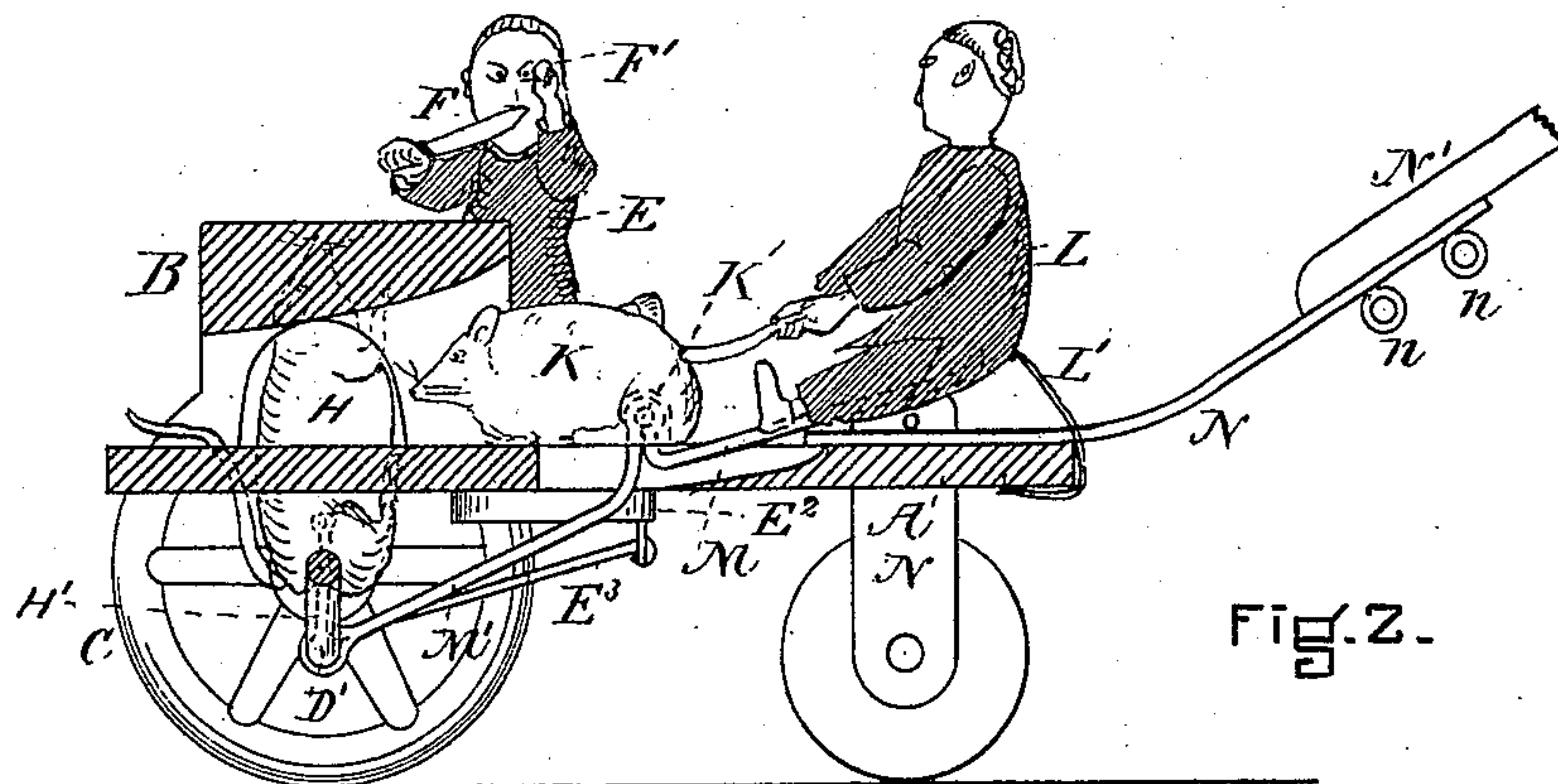


Fig. 2.

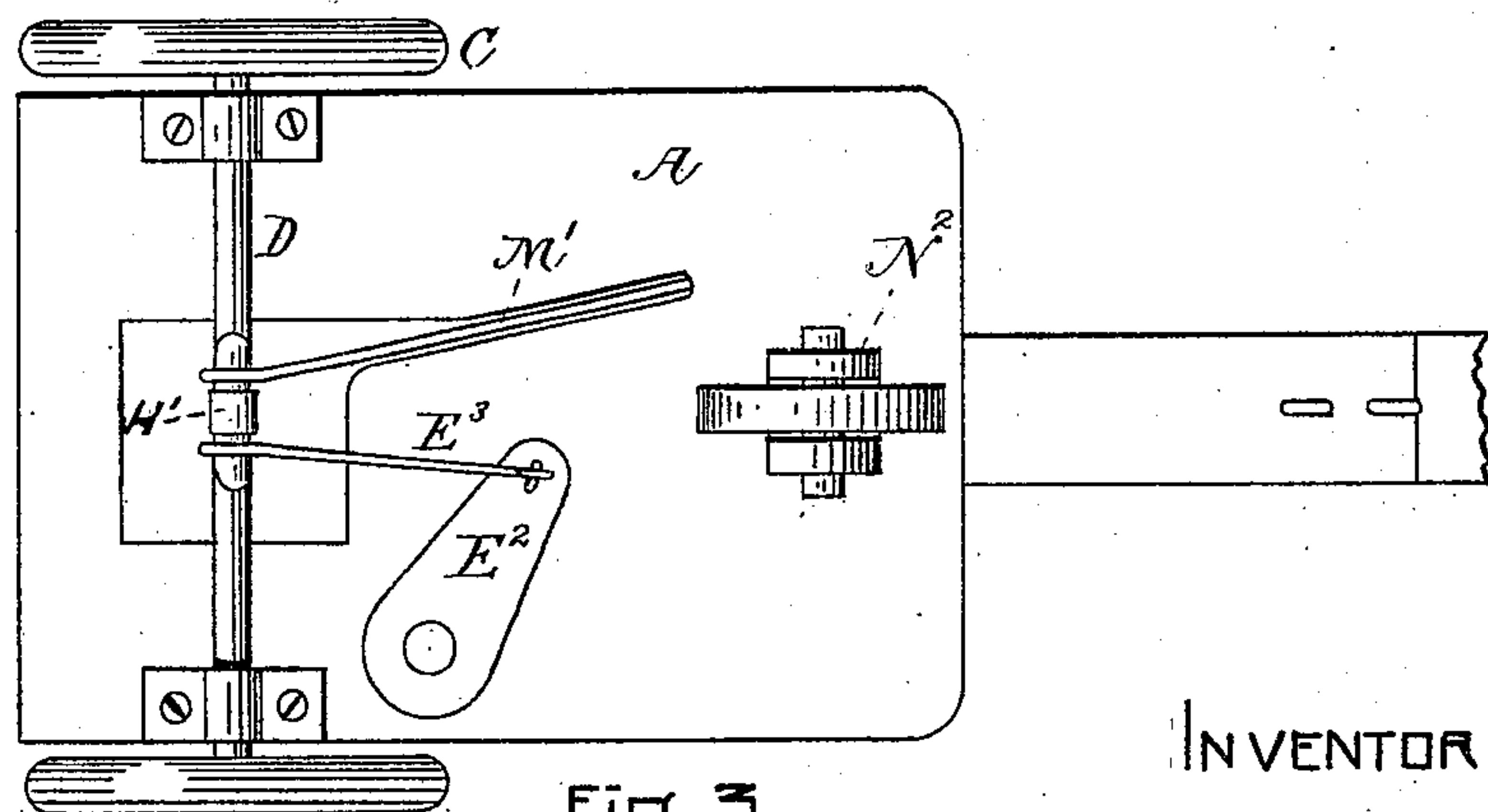


Fig. 3.

WITNESSES

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REUBEN H. RICKER, OF BOSTON, MASSACHUSETTS.

MECHANICAL TOY.

SPECIFICATION forming part of Letters Patent No. 300,799, dated June 24, 1884.

Application filed December 6, 1883. (No model.)

To all whom it may concern:

Be it known that I, REUBEN H. RICKER, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Mechanical Toys, of which the following is a specification.

My invention relates to that class of toys in which a number of images are connected by mechanical devices to the crank-axle of a toy cart in such a manner that when the cart is drawn along the revolution of the wheels will impart motion to the images, the object being to illustrate in an amusing way an attempt to catch a rat. I attain this object by the mechanism shown in the accompanying drawings, in which—

Figure 1 is a perspective view of my toy. Fig. 2 represents the same in vertical section; and Fig. 3 is a view of the under side of the toy, and serves to illustrate the means by which the motions are imparted.

In the drawings, A represents a cart-body having a pair of hind wheels, C C, affixed to a crank-axle, D. (See Figs. 1 and 2.)

B is intended to represent a laundry-table, having upon it a sad-iron, B', to characterize it. Near the center of the table B a hole is made large enough to admit of the movement of the image of the rat H. The image H receives its motion from the crank D', to which it is connected by a pitman, H'.

E, Figs. 1 and 2, is an image intended to represent a Chinaman in a kneeling position, holding in one hand a knife, F, and in the other a grain of corn, F'. This image E swings on a pivot, E', Fig. 3, which is caused to turn on a vertical axis by the arm E² and link E³, to which motion is imparted by the crank D'. A second rat, K, slides along the body of the cart, to represent that it is running under the table. This image K is connected by a link, M', and a pivot, K', to the crank D', so that as the crank revolves the image appears to move back and forth on the body of the cart. The image L is intended to represent a person having the rat K by the tail and trying

to hold the same. Motion is imparted to the image K by an extension, M, of the link M'. As the images K and L are both attached to the same link, M' M, their movements are in the same time, although the image L has a vertical as well as a horizontal movement. The compound movement is given to the image L by the arrangement of the link M' M on the pivot K', which arrangement causes the link M' M to become a tilting lever, having K' as a fulcrum.

L', Fig. 2, is an elastic strap connecting the image L to the body of the cart. This strap L' draws the image L back and downward to counteract the movements caused by the link M' M. A forward wheel hung in the swiveling standard N² serves to support the front end of the cart. The handle N N' is attached to the upper end of the swivel N², so that it may be turned to the right or left; or for packing the goods it may be turned around so as to occupy a position immediately over the body of the cart.

To enable one to pack the device in a small box, I have made the handle N N' in two pieces, the pieces being united by wire screws *n n*, readily removed without the use of a tool.

From the above description it may be seen that when my toy is drawn along all of the images will act and coact so as to produce a very amusing effect.

I claim—

1. In a mechanical toy, the combination of the image E, pivot E', arm E², link E³, and crank D' with the image H, pitman H', and crank D', all operating together substantially as described, and for the purpose set forth.

2. In a mechanical toy, the combination of the images L and K with the link M' M and the crank D', all operating together substantially as described, and for the purpose set forth.

REUBEN H. RICKER.

Witnesses:

HELEN M. FEEGAN,
WILLIAM EDSON.