

W. H. EARLE.  
TOY THAUMATROPHES.

No. 183,550.

Patented Oct. 24, 1876.

Fig. 1.

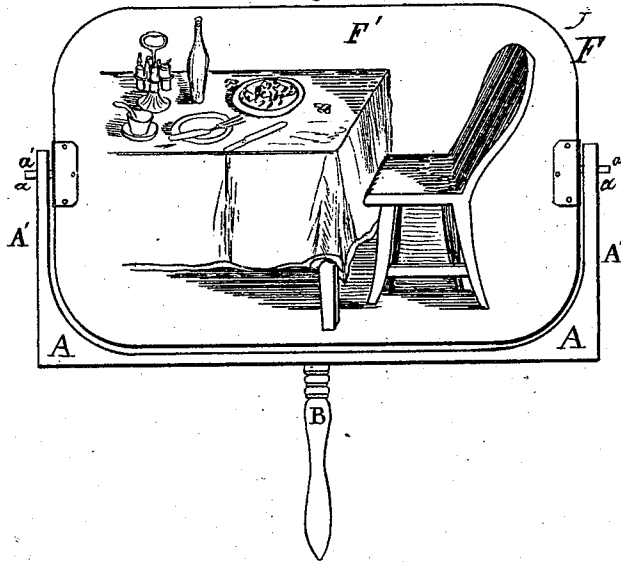


Fig. 2.

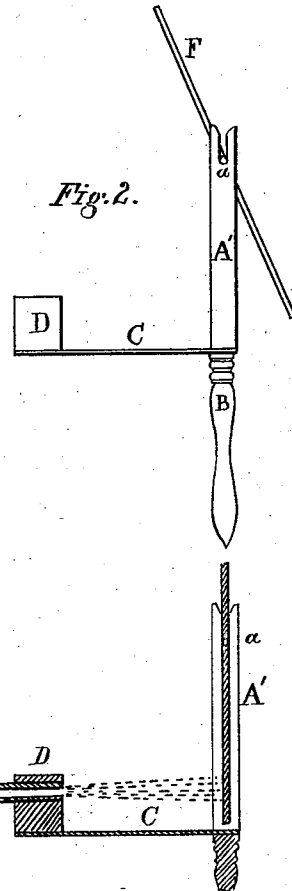


Fig. 3.

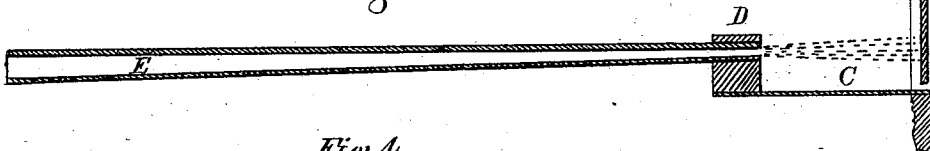
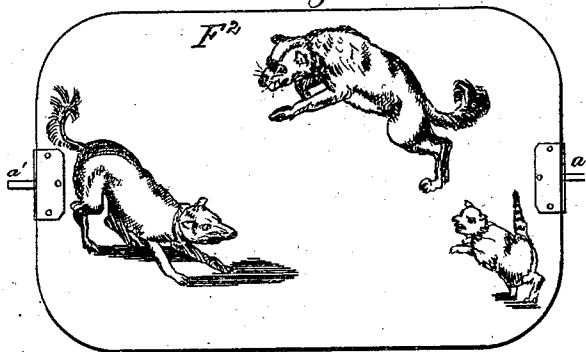


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

WILLIAM H. EARLE, OF GEORGETOWN, DISTRICT OF COLUMBIA.

## IMPROVEMENT IN TOY THAUMATROPEs.

Specification forming part of Letters Patent No. **183,550**, dated October 24, 1876; application filed October 11, 1876.

*To all whom it may concern:*

Be it known that I, WILLIAM H. EARLE, of Georgetown, in the county of Washington and District of Columbia, have invented certain new and useful Improvements in Thaumatrope; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side view of my invention. Fig. 2 is an end view. Fig. 3 is a sectional elevation, and Fig. 4 is a side view of one of the picture-cards.

A is the frame for holding the cards. A' are the standards, in which are notches or slots *a a*, in which the pivots *a'* of the cards are sustained and revolve freely. B is a handle, by which the device is held. C is an arm of thin metal, extending at right angles from the middle of the frame A, on which is fastened a block, D, having a small hole in it for the end of a blow-pipe, E. F represents one of a series of cards, on one side, F<sup>1</sup>, of which is any suitable pictorial representation, while on the opposite side (F<sup>2</sup>, Fig. 4) is another pictorial representation, the two being so arranged relatively that when revolved with a certain degree of rapidity the two pictures appear to the eye of the observer to be but one representation, as in the present figures one of the dogs appears to be standing on the chair with hind feet, and his fore-paws on the table.

This method of representation is well known; but originally the picture-card was twirled around by means of strings properly arranged; also, the picture has been hung in a frame continued around it in a circle, and a pipe, for blast, placed on top; but the person blowing into it could not himself see the picture. Others, again, use the breath only, without a pipe.

In my invention the pipe is so located that the operator can see for himself. The pipe is also removable for packing the toy away for transportation and sale.

The blast pipe or tube E can be made of any material, as cheap sheet metal or hardened rubber, like pen-handles, &c., or a short reed, and is fitted to the orifice in the block D, as represented.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In thaumatrope, the frame A, with open slotted standards A', in combination with a revolving and removable picture-card, substantially as and for the purpose described.

2. The removable blow-pipe, in combination with the frame A and revolving cards, substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WM. H. EARLE.

Witnesses:

D. M. COOPER,  
JACOB HYATT.