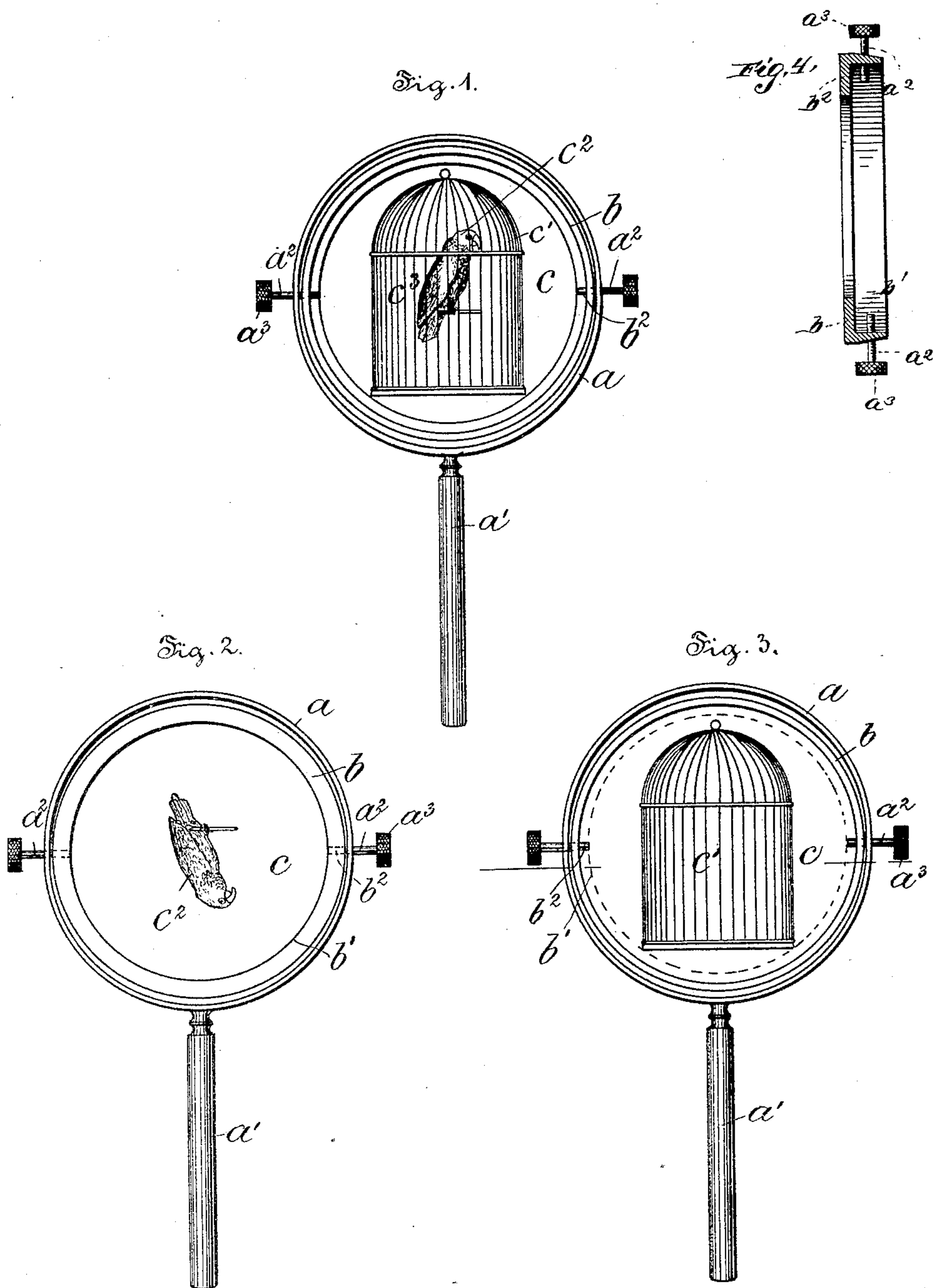


(No Model.)

E. KRONENBERG.
TOY.

No. 459,140.

Patented Sept. 8, 1891.



Witnesses:
Hermann Bornmann
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Inventor:
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UNITED STATES PATENT OFFICE.

EDWARD KRONENBERG, OF PHILADELPHIA, PENNSYLVANIA.

TOY.

SPECIFICATION forming part of Letters Patent No. 459,140, dated September 8, 1891.

Application filed March 23, 1891. Serial No. 385,999. (No model.)

To all whom it may concern:

Be it known that I, EDWARD KRONENBERG, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and Improved Toy, of which the following is a specification.

The principal object of my invention is to provide a simple, compact, and durable toy for affording amusement, pleasure, and recreation to children and grown persons.

In my invention use is made of the fact that the impression or image of an object is retained upon the eye for a short interval of time after the picture or object has been removed from the range of vision, and of the further fact that by rapidly presenting a series of pictures or objects to the eye it is possible to so blend the impressions or images of the same that the resulting image or picture is a composite view of the series of pictures.

My invention consists of a toy comprising a support having a frame suitably journaled thereto, so as to be rapidly revolved, and the frame adapted to snugly hold a composite card having pictures or objects inversely or otherwise disposed on the respective faces or sides thereof.

The nature and objects of my present invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a front elevation of a toy embodying features of my invention, showing a support provided with a pivotal frame adapted to snugly hold a card having pictures or objects on the respective faces or sides thereof and illustrating the composite image or impression produced by the rapid revolution of the frame carrying the card therewith. Fig. 2 is a similar view showing one side of the card having an inverted object or picture mounted thereon. Fig. 3 is a similar view showing the other side of the card having an object or picture thereon; and Fig. 4 is a transverse section through the center of the pivotal supports of the frame, showing means for snugly holding a card therein.

In the drawings, a is a support of any preferred contour. In the present instance the support a is of circular form and is provided with a handle a' ; but it must be understood that my invention is not limited to any particular form of support.

b is a pivotal frame of any preferred contour attached to the support a by means of trunnions a^2 and adapted for the reception of a card c :

In the drawings, the frame b is shown as provided with a flange b' and pins b^2 , between which the card c is fitted.

c' is a picture or object stamped, printed, or otherwise mounted on one face or side of the card c , and c^2 is an inverted picture or object stamped, printed, or otherwise mounted on the other face or side thereof. In the present instance c' represents a cage, and c^2 , Fig. 2, represents a parrot in an inverted position, so that when the frame b is revolved rapidly the composite picture c^3 , Fig. 1, represents the parrot c^2 in the cage c' . My invention is not, however, limited to the employment of pictures of the character above mentioned, because excellent results have been attained in practice by providing each toy with a number of cards having pictures suitably mounted thereon illustrating various objects or images.

It may be remarked that the trunnions a^2 may be extended through the wall of the frame b , so as to form the pins b^2 , whereby the cost of construction of the toy is reduced. In practice the trunnions a^2 are usually extended through and attached to the frame b , and are provided respectively with milled heads a^3 , so that the frame b and card c may be readily revolved by the simple operation of spinning one of the milled heads a^3 with the fingers or in any preferred manner.

It will be obvious to those skilled in the art to which my invention appertains that modifications may be made in the details thereof without departing from the spirit of the invention. For example, the handle a' may be dispensed with or the frame b may be provided with more than two pictures or images, and hence I do not limit myself to the exact construction and arrangement hereinbefore explained; but,

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The herein-described toy, comprising a support, a rotatable frame provided with a flange, trunnions journaled to said support and extending through said frame, and a card detachably fitted between said flange and trunnions, for the purposes set forth.

2. The herein-described toy, comprising a support, a rotating frame provided with a flange and pins, a card having inversely-dis-

posed pictures or objects on the faces and detachably fitted to said frame, trunnions journaled in said support and connected with said frame, and milled heads on said trunnions, for the purposes set forth.

In witness whereof I have hereunto set my signature in the presence of two subscribing witnesses.

EDWARD KRONENBERG.

Witnesses:

RICHARD C. MAXWELL,
THOMAS M. SMITH.