

A. F. VICTOR.
OPTICAL TOY.
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1,027,576.

Patented May 28, 1912.

Fig. 1.

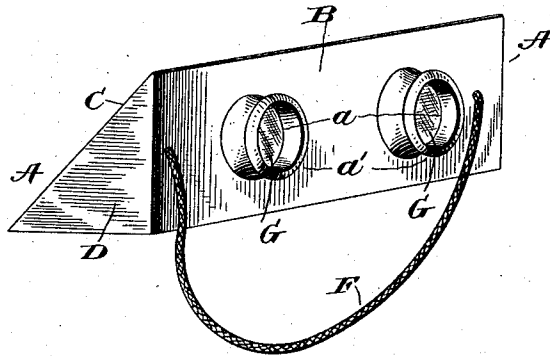
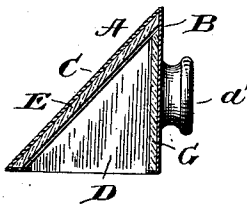


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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OPTICAL TOY.

1,027,576.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALEXANDER F. VICTOR, a subject of the King of Sweden, residing at Elmira, in the county of Chemung and State of New York, have invented certain new and useful Improvements in Optical Toys, of which the following is a specification.

This invention relates to an improvement in optical toys and the object of the invention is the provision of a toy of this character which is of a simple construction and with which a great deal of amusement may be derived by the person using the same.

In the present invention use is made of the well-known principle that a mirror gives a reflection in an inverted form, together with the fact that it is exceedingly hard to write or draw with any degree of accuracy when the hand is not visible to the eye, to produce a toy of such a construction that a person using the same will experience great difficulty either in copying a given pattern or in writing a given word or character and will derive considerable amusement from his efforts to do so.

In the accompanying drawings, wherein a preferable embodiment of my invention is shown and wherein like characters of reference refer to similar parts in the several views, Figure 1 is a perspective view of my improved toy, Fig. 2 is a cross section thereof.

Referring now more particularly to the drawing, A designates the body of my improved toy, which is in the form of a box provided with an open bottom, said box comprising a straight front wall B, an angularly disposed rear wall C connected along its upper edge to the upper edge of the front wall, and substantially triangular-shaped end pieces D, which are connected in any suitable manner to the front and rear walls. Secured within the interior of the box-like body of the toy to the inner surface of the angularly disposed rear wall C is a mirror E. While in the preferred form of the invention the mirror is secured to the inner surface of the angularly disposed rear wall, it is obvious that the rear wall might be formed itself by the mirror if so desired. The front wall of the box-like frame is provided with two openings *a* therein which constitute eye openings when the toy is used and said openings are pref-

erably surrounded by tubular members *a'* which are arranged when the toy is used to surround the eyes of the user.

F designates an elastic band, the ends of which are adapted to pass around the head of the user of the toy so as to support the body of the toy upon the head in the proper position.

In the use of the device the body or casing of the toy is first supported upon the head of the user by the elastic band F so that he is compelled to look through the sight openings *a* in the front wall thereof in order to see and it is obvious that such objects as he does see will be seen by reflection only owing to the angular disposition of the mirror E. With the device thus supported, the user attempts to draw upon a tablet either the copy of some pattern already appearing on the tablet or to write in the first instance some word, character or other subject matter upon the tablet. As the user of the toy is enabled to see the tablet and his hand which manipulates the pencil by reflection only, great difficulty is experienced in drawing or writing the desired subject matter and considerable amusement is derived from the efforts of the user to do so.

While I have described the elastic band F as the specific means used to support the toy upon the head of the user, it is obvious that any other means might be utilized for supporting the toy in position, or such means might be dispensed with altogether and the toy held in the proper position by the hand of the user. A piece of plain glass G is preferably secured to the inner surface of the front wall B of the box-like body so as to overlie the sight openings *a* therein, but it is obvious that such piece of glass may be dispensed with if desired.

I do not desire to limit myself to the precise form and construction shown in the drawings, as it is obvious that many minor changes might be made therein without departing from the spirit of the invention as defined in the appended claims.

What I claim is:

1. In an optical toy, a casing having its bottom open and provided with a sight opening in one side thereof, a mirror supported in said casing opposite the sight opening, said mirror being positioned in a plane at an angle to the plane of the sight

opening in the casing, and means for supporting said casing upon the head of a person.

2. In an optical toy, a front wall provided with a sight opening therein, a rear wall extending at an angle from the upper edge of said front wall and provided with a mirror on its inner surface, side walls connecting said front and rear walls, and means for supporting said casing upon the head of a person.

3. In an optical toy, a closed casing having its bottom open and provided with a pair of sight openings in one side thereof, a mirror supported in said casing opposite the sight openings, said mirror being positioned in a plane at an angle to the plane of the sight openings in the casing, and an

elastic band having its ends secured to the casing adjacent the ends thereof.

4. In an optical toy, a casing comprising a front wall provided with a pair of sight openings therein, tubular members surrounding said sight openings, a rear wall extending at an angle from the upper edge of said front wall and provided with a mirror on its inner surface, side walls connecting said front and rear walls, and means for supporting said casing upon the head of a person.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER F. VICTOR.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."