Dec. 9, 1924. 1,518,680

W. D. ARNOT

REFLECTOGRAPH

Filed July 31, 1923

Fig. 1.

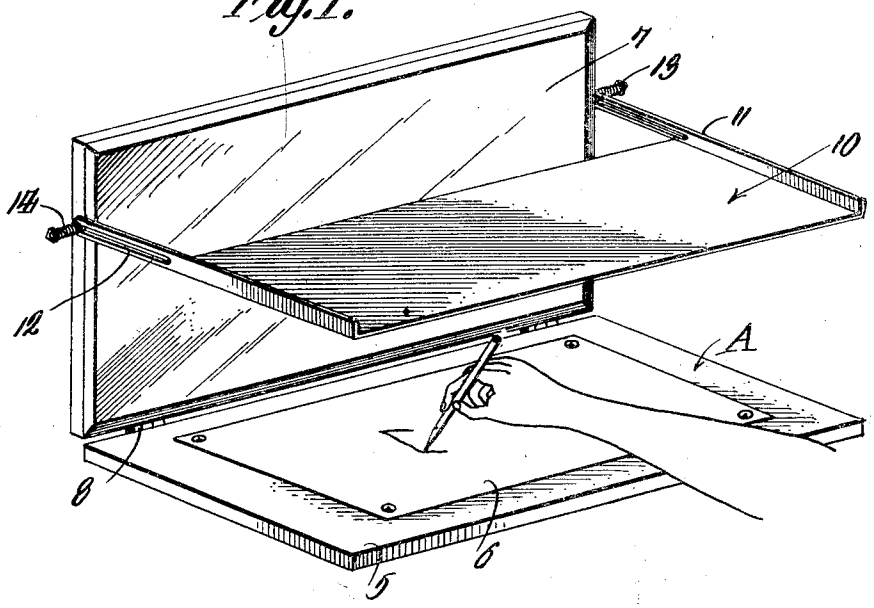
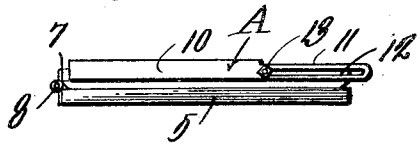


Fig. 2.



WITNESSES.
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UNITED STATES PATENT OFFICE.

WILLIAM D. ARNOT, OF COLUMBUS, OHIO.

REFLECTOGRAPH.

Application filed July 31, 1923. Serial No. 654,932.

To all whom it may concern:

Be it known that I, WILLIAM D. ARNOT, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Reflectographs, of which the following is a specification.

This invention appertains to means for affording amusement to the public and the primary object of the invention is to provide a novel drawing device, which is so constructed and arranged as to afford not only amusement to the user of the appliance, but also to persons watching the user of the device.

Another prime object of the invention is to provide a drawing appliance, in which the drawing is accomplished solely by reflection, the drawing instrument and the hand of the person holding the instrument being hid entirely from the view of the person, thereby necessitating the guiding of the instrument by reflection, which causes the person using the instrument to move the same in a different direction than intended, which affords much amusement to the person drawing and to onlookers.

Another prime object of the invention is to provide a novel amusement device of the above character, embodying a drawing board for receiving the drawing paper and a mirror receiving the reflection of the drawing paper, and a shield for hiding the drawing paper from the direct view of the person using the device.

A still further object of the invention is to provide an improved amusement device, which will be durable and efficient in use, one that will be simple and easy to manufacture, and one which can be placed upon the market for a small cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed, and illustrated in the accompanying drawings, in which drawings,

Figure 1 is a perspective view of the approved appliance, showing the same in use,

Figure 2 is an edge elevation of the appliance, showing same folded, up in its inoperative position.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A generally indicates one embodiment of the invention which is particularly capable of carrying out the objects of the invention, and which includes a drawing board 5 of suitable size and configuration. While I have termed the board 5, the drawing board, in view of the fact that the drawing is to be done thereon, it is to be understood that this board can be in the nature of a plate or some other similar writing surface, so that the drawing can be accomplished directly thereon, or a sheet of drawing paper 6 can be attached thereto in any preferred way.

A mirror 7 is associated with the board 5 for receiving the reflection of the board 5 and the drawing being done thereon, and the mirror 7 can be associated with the board in any desired way. As shown, I have provided hinges 8 for connecting the mirror 7 with one longitudinal edge of the board 5. It is obvious that other means may be employed. If so desired, the hinges can be of a resilient nature so as to normally hold the mirror 7 at right angles to the board 5, or other means can be employed for holding the mirror in a temporary set up position, as shown in Figure 1.

A shield 10 formed of some opaque material, such as sheet metal or the like, is arranged directly above the board, preferably in parallel relation thereto, so as to normally hide the board and the drawing being done thereon from the direct view of the person doing the drawing. This shield 10 can also be held in any desired way above the board, and as shown I have employed rearward extending arms 11 formed integral with the side edges of the shield for engaging the transverse edges of the mirror. These arms 11 are provided with slots 12 for receiving a suitable adjusting and holding pin 13 carried by the mirror 7. Any preferred type of friction means can be employed for changing the arms 11 so as to hold the shield 10 in its operative position. As shown in Figure 1 of the drawings, I have placed expansion springs 14 around the pin for tightly holding the arms 11 in engagement with the sides of the mirror.

In operating the device, the work to be copied may be placed upon the board A if desired and a suitable drawing implement, such as a pencil, is grasped in the hand of the user. Now, by looking into

the mirror, the reflection of the work to be copied and the drawing paper will be seen, and when the hand is moved to accomplish the drawing, it is evident that the hand will be moved in the reverse direction to that originally intended, in view of the fact that the hand will be guided by the reflection in the mirror. This, of course, will afford considerable amusement for the person endeavoring to do the drawing and onlookers watching the person.

It is also my intention to construct the improved device in such a way that the same will occupy a relatively small compass when not in use, and in Figure 2 of the drawings I have shown the device in folded position. It is evident that the mirror 7 can be folded down on the surface of the board 5 and the shield 10 swung over the mirror, thus forming a compact structure.

Changes in the details may be made without departing from the spirit or scope of this invention.

What is claimed as new is:

1. In an amusement device, a drawing board, a mirror hingedly connected to the board, and an eye shield adjustably carried by the mirror for sliding and swinging movement.

2. In a collapsible amusement device of the above character, a drawing board, a mirror, hinges connecting the mirror to one longitudinal edge of the board to permit the mirror to be swung against the upper surface of the board or at right angles thereto, an opaque eye shield pivotally and slidably carried by the mirror for permitting the same to be arranged in spaced parallel relation to the board and at right angles to the mirror, or over the upper surface of the mirror.

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

WILLIAM D. ARNOT.

Witnesses:

N. W. Deck,

Geo. E. Souder.