Dec. 17, 1929. R. F. BARTON 1,739,816

PHOTOGRAPHIC PORTRAIT ENLARGEMENT VISUALIZER

Filed May 12, 1928

Fig. 1.

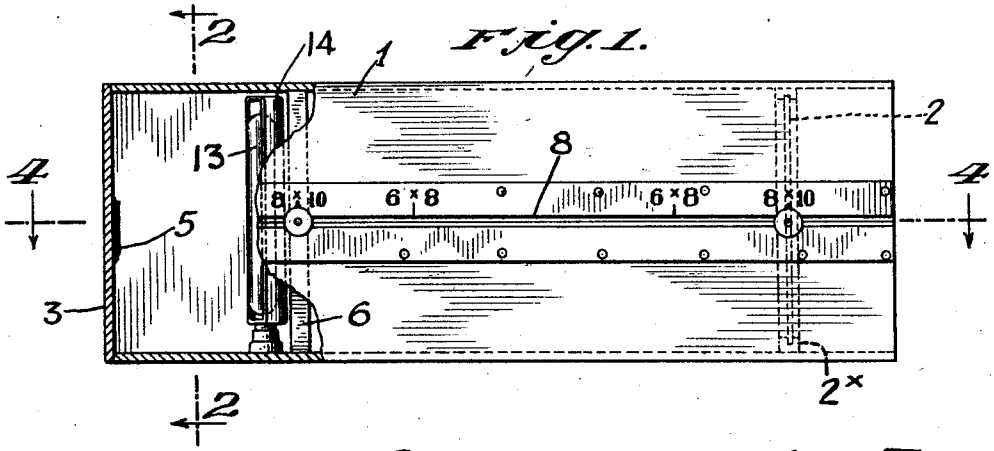


Fig. 2.

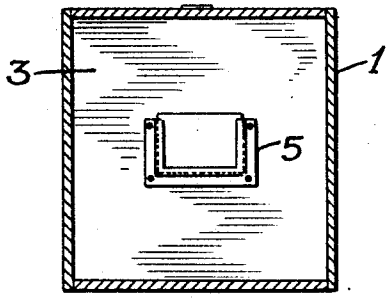


Fig. 3.

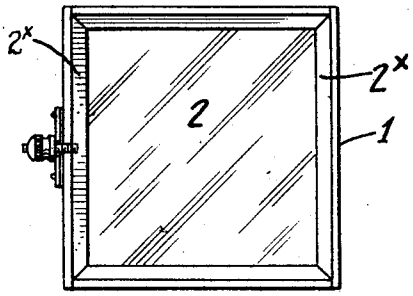
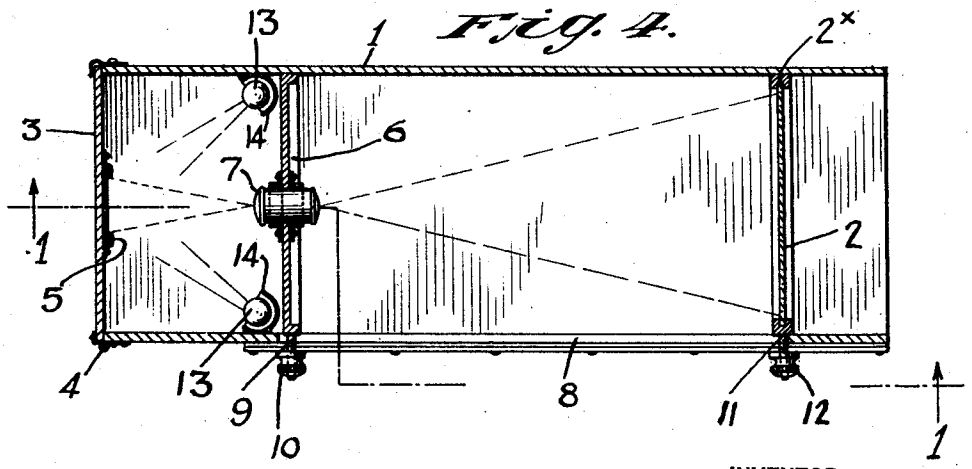


Fig. 4.



INVENTOR

Rachel F. Barton

BY

ATTORNEY

Patented Dec. 17, 1929

1,739,816

UNITED STATES PATENT OFFICE

RALPH F. BARTON, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO PHOTOMATON, INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK

PHOTOGRAPHIC PORTRAIT ENLARGEMENT VISUALIZER

Application filed May 12, 1928. Serial No. 277,166.

The object of the present invention is to provide means by which a small photographic portrait, such as made on the "Photomaton" photographic apparatus, may be visualized by a customer in enlarged form, so as to enable the customer to judge by inspection the appearance of the portrait if enlarged. The apparatus is preferably adjustable so as to enable the portrait to be thrown in various sizes upon a ground glass.

The invention will be described with reference to the accompanying drawings, in which—

Figure 1 is a side view of an embodiment of the invention;

Figure 2 is a sectional side elevation of said embodiment, on the line 2—2, Fig. 1;

Figure 3 is an end view of the device, and

Figure 4 is a sectional plan of the device.

The apparatus consists of box-like casing 1, of greater length than the cross section, and closed at its front end by a ground glass 2 and at its rear end by a movable wall 3. Wall 3 may be hinged at 4 so as to enable access to the rear portion of the casing. Carried by movable wall 3 is a holder 5 for the reception of the photographic image to be enlarged. The holder may be formed in any suitable manner and is shown as a flanged receptacle open at one end so that the image may readily be moved into position.

At the front of the image holder 5 is a lens-carrying partition wall 6 carrying an enlarging lens 7, the latter being disposed in register with the image holder.

Near the front end of the casing, but shielded by the walls of the same, is the frame $2^{\times}$ carrying the ground glass 2.

Each side wall of the casing may be formed with a longitudinally extending guide slot 8 which may be protected by velvet strips.

Projecting through the slot at one side of the box is a stud 9 carrying a thumb-piece 10. The stud is carried by the lens holding partition wall 6. At the opposite side of the box a similar stud, connected to the partition wall 6, extends through the longitudinal slot opposite slot 8. By grasping the thumb-pieces 10, partition wall 6 may be moved longitudinally of the casing to vary the distance between the image holder and the lens 7. The casing may be marked with suitable indicia indicating the size of the image when the division wall is adjusted to a certain position.

The ground glass frame, also, is provided with a stud 11 projecting through slot 8 and having a thumb-piece 12. At the opposite side of the box the slot therein receives a stud which is connected to the ground glass frame, the stud being similar to stud 11 and having a thumb-piece similar to that number 12. By such means the ground glass may be adjusted toward and from the lens, so that the two adjustments may be employed to vary the size of the image thrown on the ground glass.

Within the casing at each side of the lens is a lamp 13 having a reflector 14 by means of which rays of light are thrown on the image held by holder 5, and, by reflection, the image is thrown through the lens and onto the ground glass.

It will be understood that various modifications may be made in the form and arrangement of the elements without departing from the spirit of the invention. What I claim and desire to secure by Letters Patent being as follows:—

A photographic portrait enlargement visualizer, comprising a box-like casing, the rear of the casing being formed with a movable wall, the wall being adapted to receive and support a photographic image and a side wall of the casing being formed with a longitudinal slot, a partition movable longitudinally within the casing, an enlarging lens carried by the partition, illuminating means rearwardly of the partition for throwing rays of light upon the movable wall, a ground glass within the casing forwardly of the partition and

movable toward and from the latter and means carried by the partition and ground glass and projecting through said slot whereby said partition and glass may be manually adjusted longitudinally of the casing, whereby a small photograph carried by the wall may be thrown upon the ground glass to demonstrate its appearance in various degrees of enlargement.

In testimony whereof, I have signed my name to this specification.

RALPH F. BARTON.