Sept. 8, 1931. M. B. GORDON 1,822,808

DESIGN PRODUCING DEVICE

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Fig. 1.

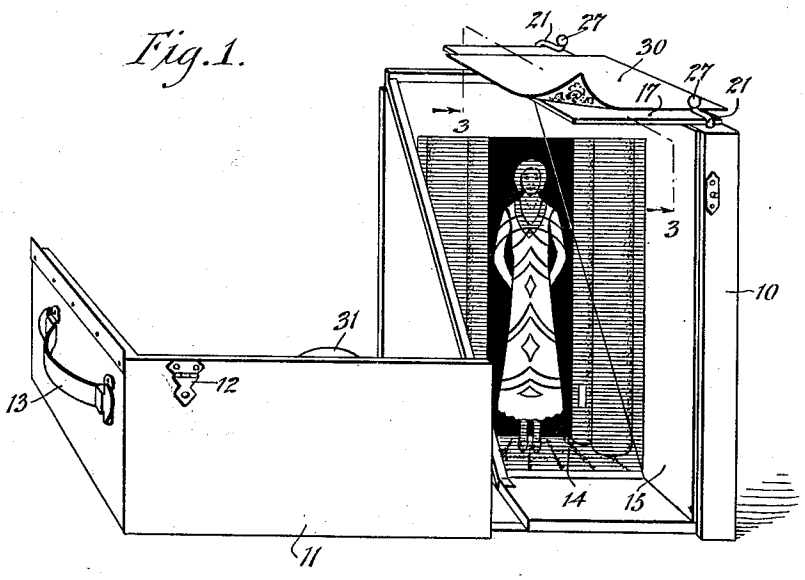
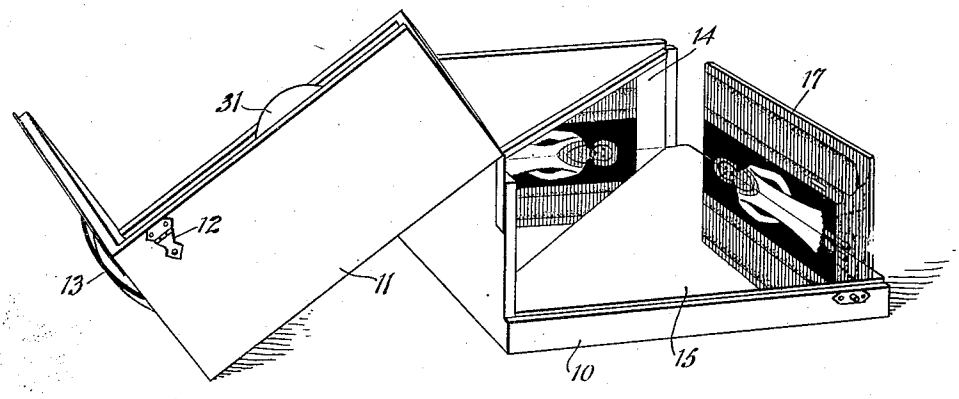



Fig. 2.




WITNESSES

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Fig. 3.

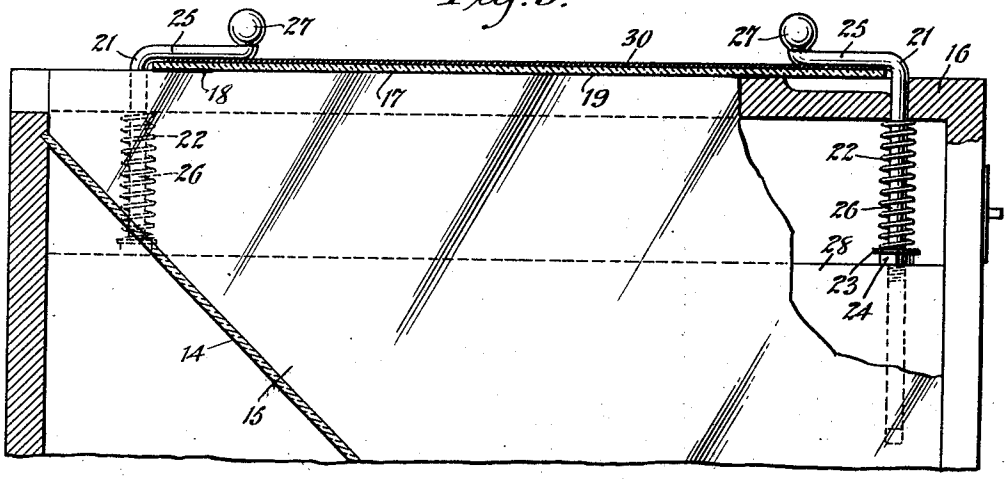



Fig. 4.

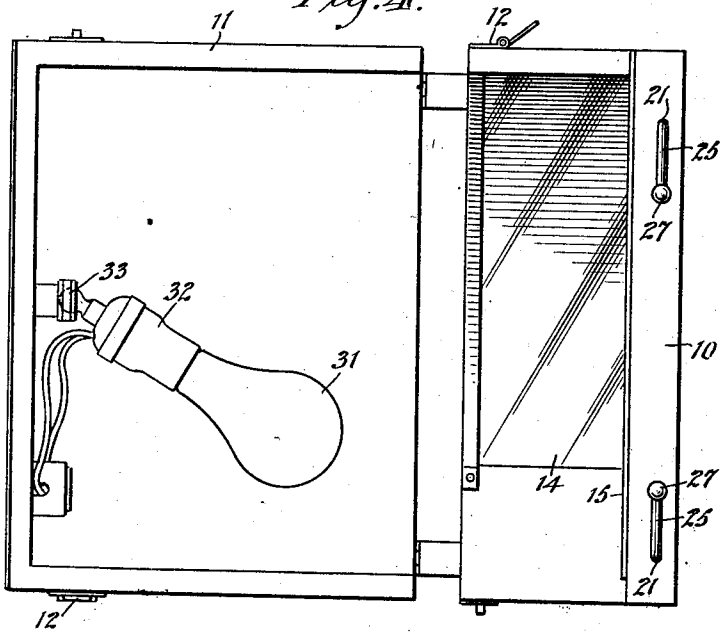



Fig. 5.

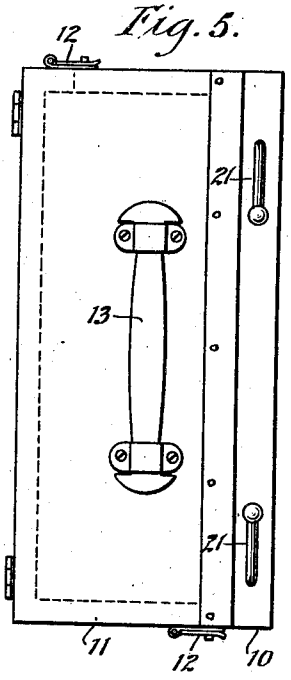
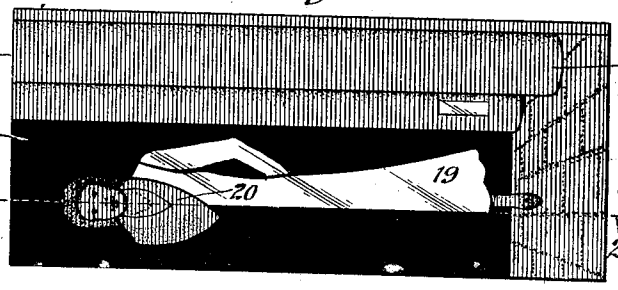



Fig. 6.




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# UNITED STATES PATENT OFFICE

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## DESIGN PRODUCING DEVICE

Application filed June 5, 1930. Serial No. 459,272.

This invention relates to a device for producing or formulating various designs, patterns or fashion effects, and also for picturizing, displaying or exhibiting the same.

The invention aims to enable a person to definitely ascertain or determine the completed or finished appearance or effect of an object, picture or figure.

The principal object of the invention is the provision of a device of the indicated character which will be simple, practical and inexpensive, and the invention resides in the combination, construction and functions of the parts hereinafter fully described and illustrated in the accompanying drawings, in which

Figure 1 is a perspective view of the device embodying features of the invention, and illustrating the device in use;

Figure 2 is a perspective view of the device showing a changed position of its parts to illustrate more clearly certain features of the device;

Figure 3 is an enlarged section taken substantially on the line 3—3 of Figure 1 and looking in the direction indicated by the arrows;

Figure 4 is a plan view;

Figure 5 is a view of the case in which the device is incorporated, the case being shown closed;

Figure 6 is a face view of one form of screen forming a part of the device.

The device of the present invention is incorporated in a case comprising hingedly connected sections 10 and 11. This case has suitable latches 12 to hold the sections 10 and 11 in closed relationship. The section 11 has a hand grip 13 for carrying the case. It is to be understood that the device of the present invention may be constructed independently of a case such as the one described.

The device of the present invention includes reflectors 14 and 15, which may be of glass having a silver backing, or may be made of metal having the necessary reflecting characteristics. The reflectors 14 and 15 are secured in place on the case section 10, in reflecting relation with respect to each other. The arrangement of the reflectors 14 and 15 will be described with reference to a horizontal plane, although it is to be understood that the effects produced are in consequence of the relation that the reflectors have with respect to each other. The reflector 14 is secured in place to the bottom and one end wall of the case section 10 at an angle of 45° with respect to the bottom wall of the case section 10 when the latter is resting on a horizontal plane. The reflector 15 is secured in place in any suitable manner to the side wall of the case section 10 perpendicular to the bottom wall of the case section, contiguous the reflector 14. The upper edge of the reflector 15 is flush with the upper flange 16 of the case section 10. Use is made of a screen 17. This screen comprises a transparent panel of glass or the like, and has opaque portions 18, transparent portions 19, and opaque picture portions 20. The portions 18, 19 and 20 form half of an uncompleted object, picture or figure. In the present instance there is formed on the screen 17 an uncompleted figure of a woman, that is to say, the outer garment thereof being uncompleted and defined by the transparent portions or areas 19. The screen 17 having the characteristics set forth is retained in place in definite relation to the reflector 15, so that the half object, picture or figure will be duplicated to form a complete and symmetrical object, picture or figure, which will be visible in the reflector 14 in a manner to be explained hereinafter. The means for retaining the screen 17 in place comprises a pair of retaining devices. Each of the retaining devices comprises an L-shaped member 21, a spring 22, washer 23 and a nut 24. The member 21 being of L-shape provides portions 25 and 26, the former being much shorter than the latter. The portion 25 has a manipulating knob 27. The portion 26 is threaded to receive the nut 24. The portion 26 extends through the flange 16 of the case section 10, and its lower end is received in a bore in a block 28 secured to the side wall of the case section 10. The spring 22 surrounds the portion 26 of the member 21 with one end in contact with the washer 23, and its opposite end in contact with the flange 16. The mem-

ber 21 is therefore mounted for up and down movement and also for turning movement. The spring serves to keep the member 21 under tension at all times. It will be apparent that the members 21 of the retaining devices may be swung into positions to engage the opposite ends of the screen 17 to retain the same in position perpendicular to the reflector 15. The screen is retained in projecting relation to the reflector 15, the upper edge of the reflector 15 being coincidental with the center line or axis designated 29 in Figure 6, about which the completed object, picture or figure will be symmetrical.

In accordance with the invention use is made of suitable materials, which may be nondescript or other material having designs, such as colored pieces of paper or fabric having a combination of design elements. This material designated 30 may be laid on the screen 17 and will appear in the transparent portions 19 thereof. The material 30 may be adjusted or shifted relatively to the screen 17 in contact therewith to produce various or diversified design or pattern effects.

According to the invention, the material 30 together with the screen 17 when retained in place will be directly reflected on the reflector 14 and will also be indirectly reflected on the reflector 14 by the reflector 15, thus forming a complete and symmetrical object, picture or figure, which is visible on the reflector 14, as shown in Figure 1. In this manner a person may definitely ascertain or determine the made-up appearance of a garment. For instance, in this manner a design, pattern or fashion may be displayed or exhibited.

If desired, in order to furnish the proper light effects for use in the darkness, the case section 11 may be provided with an electric lamp 31 whose socket 32 is connected with the section 11 by a ball and socket joint 33. When the case sections 10 and 11 are open, as shown in Figure 1, the lamp 31 when lighted will furnish the desired illumination in the presence of the reflectors 14 and 15 and the screen 17 when the latter is retained in place in relation to the reflectors.

What is claimed is:

1. A device of the character described, having the combination of reflectors arranged in reflecting relation to each other, a picture forming screen having transparent portions, and means to secure said screen in relation to one of said reflectors, whereby material arranged on the transparent portions of said screen may be adjusted thereon with respect to said reflectors, for the purpose of forming various figures each of which may be reflected in part by one reflector on the other reflector and appear in a completed picture visible in the last mentioned of said reflectors.

2. A device of the class described having the combination of two reflectors arranged in reflecting relation to each other, and a screen having relatively movable materials forming half of a figure arranged in relation to said reflectors to perform the following functions, namely, to duplicate the half figure to form a complete and symmetrical figure visible in one of said reflectors.

3. A device of the class described having the combination of reflectors arranged in reflecting relation to each other, there being a first reflector arranged at a forty-five degree angle with respect to a horizontal plane, and a second reflector arranged perpendicular to said horizontal plane contiguous the first reflector, and materials forming half of a figure arranged in relation to said reflectors whereby the latter perform the following functions, namely, directly reflect said half figure, on said first reflector, and indirectly to reflect said half figure on said first reflector by said second reflector to thus form a complete and symmetrical figure visible in said first reflector.

4. A device of the class described having the combination of two reflectors arranged in reflecting relation to each other, one of said reflectors being disposed at an angle with respect to one edge of the other reflector and also disposed perpendicular to the latter, and materials forming half of a figure in projected position along said edge of said second reflector perpendicular to the latter, for the purpose of forming a complete and symmetrical figure visible in said first reflector.

5. A device of the class described having the combination of two mirrors, one of said mirrors being disposed at an angle to one straight edge of the other mirror and also disposed perpendicular to the latter in contact therewith, a screen having opaque portions, transparent portions and picture portions, and means to secure said screen in set relation to said straight edge, whereby material arranged on said screen together with said picture portions will form a complete and symmetrical picture visible in said first mirror.

6. The combination with a case comprising two sections connected together for relative movement to an opened and closed relationship; of two mirrors secured in place on one of said sections, one of said mirrors being disposed at an angle to one straight edge of the other mirror and also disposed perpendicular to the latter in contact therewith, a screen having opaque portions, transparent portions, and picture portions, and retaining means arranged on said section having the mirrors, to retain said screen in set relation to said straight edge, whereby to form an object which will be visible in said angularly disposed mirror.

7. The combination with a case comprising two sections connected together for rela-

tive movement to an opened and closed relationship; of two mirrors secured in place on one of said sections, one of said mirrors being disposed at an angle to one straight edge of the other mirror and also disposed perpendicular to the latter in contact therewith, a screen having opaque portions, transparent portions, and picture portions, retaining means arranged on said section having the mirrors to retain said screen in set relation to said straight edge, whereby to form an object which will be visible in said angularly disposed mirror, and illuminating means carried by the other section of the case, for the purpose of illuminating said mirrors.

MAURICE B. GORDON.