Sept. 17, 1929. E. A. HORTON 1,728,610

DISPLAY DEVICE

Filed July 2, 1928

Fig. 1.

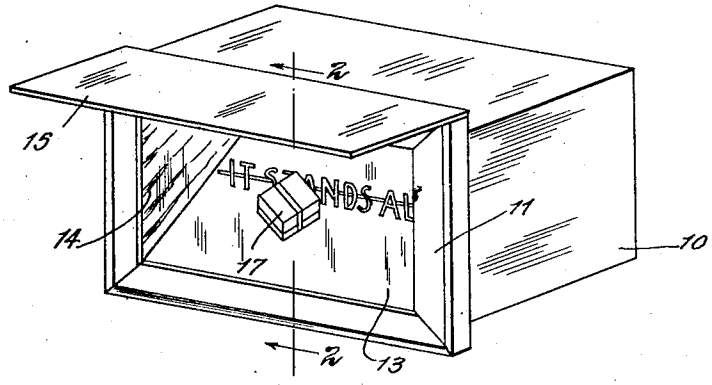


Fig. 2.

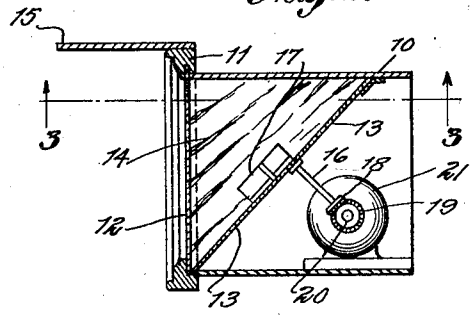
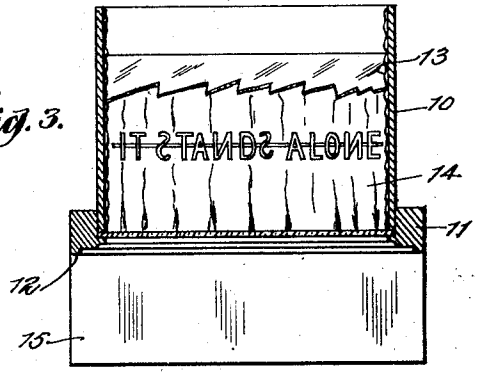


Fig. 3.



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UNITED STATES PATENT OFFICE

ELLSWORTH A. HORTON, OF BRONX, NEW YORK

DISPLAY DEVICE

Application filed July 2, 1928. Serial No. 289,839.

This invention relates to improvements in display devices, and it is the principal object of my invention to provide a device adapted to display an article to its greatest advantage and by creating its size through a mirrored effect, the illusion of being suspended in space without any visible support while the same is rotated in order to display every single feature of the article.

Another object of my invention is the provision of a display device of this character having its walls lined with a ruffled fabric harmonizing in color and arrangement with the nature of the article displayed to enhance the appearance of the article and to display the same most favorably, and hiding the mirror edges.

A further object of the invention is the provision of a display device of simple and therefore inexpensive construction, which however, is extremely efficient in its operation, and easily to transport from place to place.

A still further object of my invention is the provision of a display device of this character adapted to give the most favorable color and light effects for advertising purposes in show windows, stores or the like.

These and other objects and advantages of my invention will become more fully apparent as the description thereof proceeds, and will then be more specifically defined in the appended claims.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is a perspective view of a display device constructed according to my invention.

Fig. 2 is a section on line 2—2 of Figure 1.

Fig. 3 is a sectional plan view looking in the direction of arrows 3—3 of Figure 2.

As illustrated, my display device comprises a casing 10 substantially as shown in Figure 1 and made of any suitable material and in any desired size.

This casing or box has a flaring frontal mouth 11 closed by a window 12 or the like.

Within the box a mirror 13 is provided, arranged at an angle of about 45° to the end walls of the box which are covered by a cloth 14 of any appropriate fabric and color and suitably ruffled and accommodately hiding and covering the meeting edges of mirror and box wall. This cloth covering protects and embellishes the inner walls of the box, and carries at the inner face of the top lettering constituting a legend in reversed order to be reflected as readable matter in the mirror as for instance as shown "It stands alone," or any other suitable matter.

A forwardly extending flap or flange 15 is secured to the upper edge of the flaring mouth 11 to protect the display against interfering light rays etc.

The mirror 13 is perforated in approximately its middle, at the point of intersection of diagonal lines drawn from its corners for allowing the passage of a rod or pin 16 upon the upper end of which the article 17 to be displayed and placed upon the mirror is held.

The lower end of pin 16 carries a bevel gear 18 in mesh with a bevel gear 19 on the shaft 20 of a motor 21 placed conveniently in the box 10 and secured to its bottom.

The operation of my device will be entirely clear from the above description, and it will be evident that an article 17 placed upon the mirror at the end of the rod or pin 16 will be rotated upon the starting of motor 21 and will be reflected in mirror 13 thus creating the illusion of being suspended in space without any visible support most advantageously displaying the object or article by suitable mirror, color, and light effects during the rotation thereof.

It will be understood that I have disclosed as an example the preferred form of my device only, and that I may make such changes in the general arrangement thereof and in the construction of its minor details, as come within the scope of the appended claims without departure from the spirit of my invention and the principles involved.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A display device comprising a casing, a

mirror arranged therein in inclined position and having an opening, means for covering the meeting edges of mirror and casing walls, an invisible means from which the article to be displayed is suspended passing through the opening in said mirror, a motor operated means for rotating said article suspending means on said mirror.

2. A display device comprising a casing, a mirror arranged therein at an angle of about 45° to the walls of said casing and having an opening in approximately its middle, a pin passing through said opening, adapted to invisibly carry and hold an article to be displayed on top of said mirror, means for rotating said pin and article, and a means for hiding the meeting places of the mirror and casing walls.

3. A display device comprising a casing, a mirror arranged therein at an inclination to the bottom of said casing, a fabric coating for the walls and inner top face of said casing to hide the meeting edges of mirror and casing walls, an article adapted to be placed on said mirror, invisible means for holding said article in its position in the mirror, and a means for rotating said article.

4. A display device of the class described comprising a box, a ruffled fabric cover for the end walls and the top wall of said box, a mirror arranged at an inclination of about 45° to the bottom of the box and having a median perforation, a legend on the inner face of the top of said box adapted to be reflected in said mirror and appropriate to the article to be displayed, a pin projecting through said hole in the mirror and allowing the invisible suspension of an article to be displayed above said mirror, means for rotating said pin and article, and a motor for operating said rotating means, a glass front for said box, and an upper flange or flap projecting from the upper edge thereof towards the front.

Signed at New York, in the county of New York and State of New York, this 28th day of June A. D. 1928.

ELLSWORTH A. HORTON.