May 18, 1926. 1,585,340

G. B. FITZGERALD

TOY BLINKING EYE

Filed Sept. 26, 1925

Fig. 2.

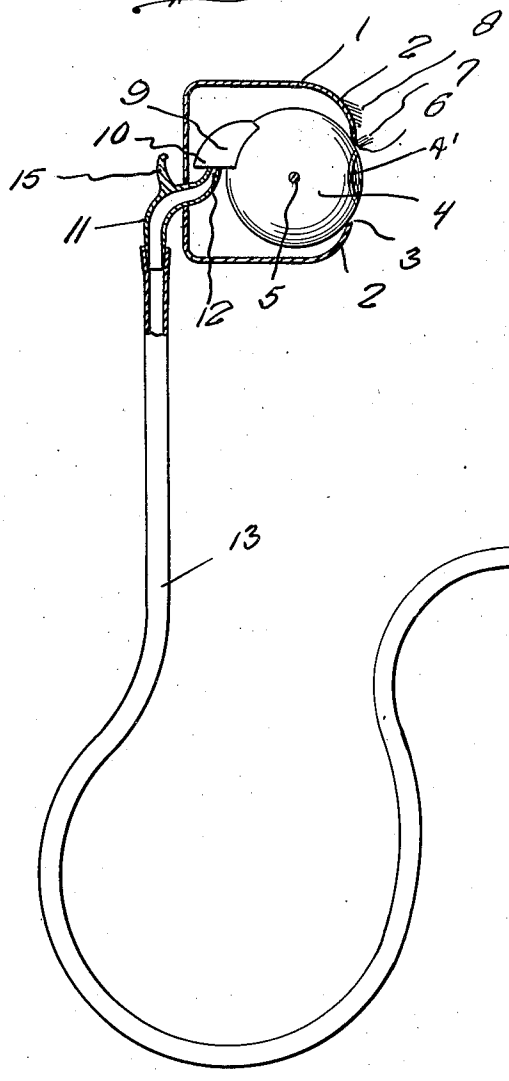
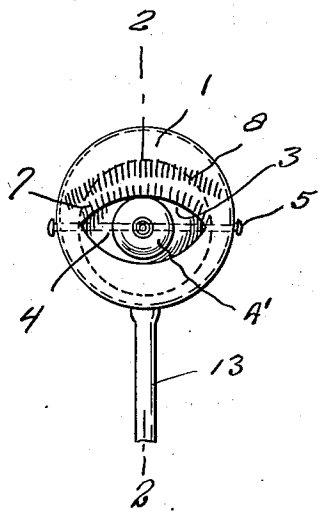


Fig. 1.



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Patented May 18, 1926. 1,585,340

UNITED STATES PATENT OFFICE.

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TOY BLINKING EYE.

Application filed September 26, 1925. Serial No. 58,863.

This invention relates to improvements in toys and particularly to a toy adapted for operation to simulate the winking of an eye.

An object of the invention is to provide a toy of the above mentioned character having a casing in which is mounted a rotatable member exposed through an oval-shaped opening in the casing and provided with the simulation of an eye together with means for operating said member in the casing to simulate a winking eye.

The invention comprehends numerous advantages in the details of construction and arrangement of the parts for carrying out the invention and producing a toy simulating a winking eye which are more particularly pointed out in the following detailed description and in the claims, directed to a preferred form of the invention, it being understood, however, that various changes in the size, shape and arrangement of the parts may be made without departing from the spirit or scope of the invention as hereinafter set forth.

In the drawings forming part of this application

Figure 1 is a front elevational view of the casing portion of the toy showing the opening in the casing exposing the movable member therein which is provided with the simulation of the eye.

Fig. 2 shows a vertical transverse section through the casing and part of the operating mechanism thereof, portions being shown in elevation.

A casing is indicated at 1 which is substantially cylindrical in transverse section as shown in Fig. 1, and is provided with rounded corners on the forward end as indicated at 2 in Fig. 2 while the forward face of the casing is formed with an elliptical opening 3, or more correctly, an opening corresponding in shape with that of the human eye.

Within the casing is mounted a spherical member 4 for rotation on the shaft 5 which projects partially through the opening 3 in the forward face of the casing and has its surface lying in close proximity to the casing around the edges of the said opening 3. This spherical member 4 is provided with a simulation of an eye 4', while the casing is provided with a flexible lip 6 extending across the upper edge of the opening 3 which is provided with suitable materials as indicated at 7 to simulate eye lashes.

Above this lip 6, the casing is provided with suitable material at 8 to simulate an eye brow which in each case may be in the form of hair or the like suitably glued or otherwise mounted on the face of the casing.

The portion of the sphere opposite to that provided with the eye simulation 4' is provided with a projecting member 9 having a radially arranged face 10, which member is adapted to normally rotate the sphere about the shaft 5 for retaining the same in the position shown in Fig. 2 and adapted to form a stop for limiting the rotating movement in the opposite direction by engagement with the inner top wall of the casing.

A nozzle member 11 is mounted in the rear wall of the casing and has the contracted end 12 directed upwardly within the casing and forming a stop for engaging the radial face 10 of the member 9, against which the air discharged through the nozzle member impinges, and causes the sphere 4 to rotate on the shaft 5 for producing the winking operation. A flexible tube 13 is connected with the outer free end of the nozzle member 11 and at its end is provided with a bulb 14 adapted to be manually compressed for forcing air through the nozzle to cause the rotation of the sphere 4.

A suitable projection 15 is provided on the nozzle member 11 to provide a holding or attaching means by which the device may be suitably mounted where desired for producing the winking eye motion.

From the above description it will be seen that upon the squeezing of the bulb 14 that air will be forced through the tube 13 and discharged from the contracted nozzle 12 against the radial face of the projection 9 and cause the sphere to rotate about the shaft 5, the movement thereof being arrested by the engagement of the member 9 with the top of the casing. Following this, the weight of the member 9 will return the sphere 4 by gravity to the position shown in Fig. 2 and the nozzle 11 will form a stop to limit this movement by the engagement of the contracted outlet 12 with said radial face of the projection 9.

In this way, it will be seen that the eye simulation 5 will be caused to disappear from the opening 3 in the same way that

an eye is closed in order to simulate a winking eye.

Having thus described my invention, what I claim as new is:—

1. A toy of the class described, comprising a casing having an eye-shaped opening in the forward end thereof, a flap member mounted on said casing and projecting beyond the upper edge of the opening formed therein, means mounted on said flap simulating eye lashes, means provided on said casing above said flap simulating an eye brow, a substantially spherical member rotatably mounted in said casing having a portion of its surface projecting through said eye-shaped opening, said spherical member being formed with the simulation of an eye, a projecting member mounted on said spherical member within the casing normally adapted to rotate said spherical member in one direction and retain said eye simulation in registry with the opening in said casing, a nozzle member mounted in said casing having the end terminating within the casing and adapted to engage said projecting member to limit the rotative movement of said spherical member by said projecting member, and manually operated air discharging means connected with said nozzle member adapted to discharge air therethrough to produce the rotation of said spherical member to move the eye simulation out of registry with said opening and simulate the winking of an eye.

2. A toy blinking eye, comprising a casing having an opening therein, an eye simulating member rotatably mounted in said casing and projecting into said opening, a projecting member mounted on said eye simulating member within the casing, normally adapted to rotate said eye simulating member in one direction, a tubular member mounted in said casing, having one end terminating therein and adapted to engage said projecting member to limit the rotative movement of the eye simulating member, and means associated with said tubular member for operating said eye simulating member.

In testimony whereof I affix my signature

GEORGE BRUCE FITZGERALD.