S. T. MORI.

DOLL EYE ADJUSTER.

APPLICATION FILED SEPT. 29, 1914.

1,157,119. Patented Oct. 19, 1915.

FIG. 1.

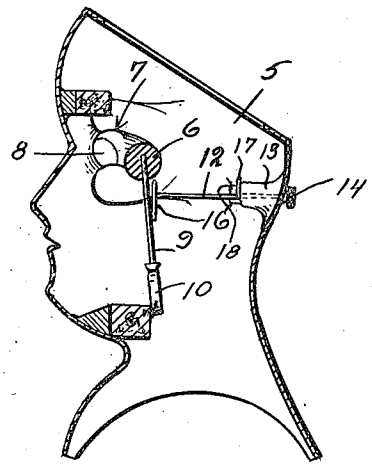


FIG. 2.

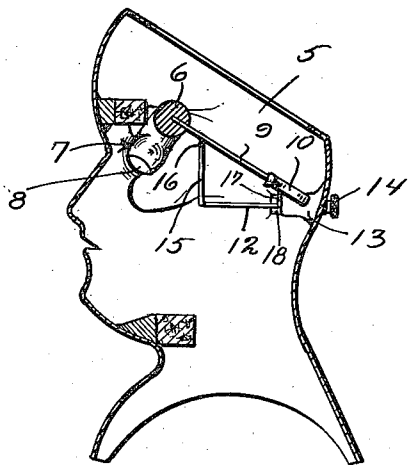


FIG. 3.

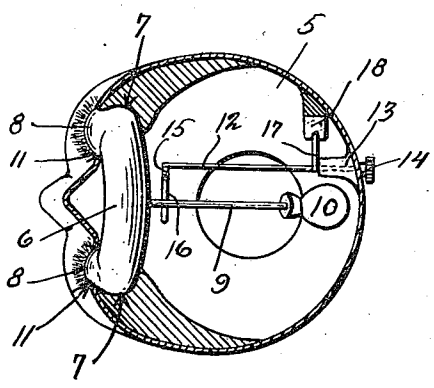
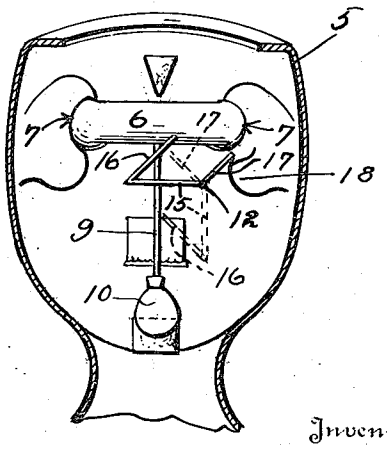


FIG. 4.



Witnesses

J. C. Simpson.

J. M. Yeates

Inventor

S. T. Mori

By Chandlee & Chandlee

Attorneys.

UNITED STATES PATENT OFFICE.

SUSAN T. MORI, OF MEADOW VALLEY, CALIFORNIA.

DOLL-EYE ADJUSTER.

1,157,119. Specification of Letters Patent. Patented Oct. 19, 1915.

Application filed September 29, 1914. Serial No. 864,156.

To all whom it may concern:

Be it known that I, SUSAN T. MORI, a citizen of the United States, residing at Meadow Valley, in the county of Plumas, State of California, have invented certain new and useful Improvements in Doll-Eye Adjusters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to dolls, and has particular reference to that class of dolls having eyes which open and close depending upon whether the dolls are placed in a vertical or horizontal position.

The object of the invention is to provide means whereby the eyes may be locked in their open or closed positions regardless of the position of the doll.

An important object is the provision of a device of this character which may be used for this purpose and which by shifting it will still permit the usual action of the eyes.

A further object is the provision of a device of this character formed as an attachment to any ordinary form of doll head of this character now in use without any alteration of the internal structure of the head or the eye actuating member.

An additional object is the provision of a device of this character which will be extremely simple and inexpensive in manufacture, efficient and durable in use, not likely to get out of order, and a general improvement of the art.

With these objects and advantages in view, the invention consists in the novel construction and arrangement of parts as will be hereinafter more fully described and claimed, and illustrated in the accompanying drawing, in which—

Figure 1 is a vertical sectional view through a doll head, showing my device applied thereto and locking the eyes in their open position. Fig. 2 is a similar view showing the eyes locked in their closed position. Fig. 3 is a cross-sectional view looking down upon the parts in the position shown in Fig. 2, and Fig. 4 is a vertical sectional view looking toward the front of the head and showing in full lines the parts in the position shown in Fig. 1, and showing in dotted lines my device in its inoperative position.

Referring more particularly to the drawing the numeral 5 designates a doll head having the usual yoke 6 journaled therein as shown at 7, the yoke carrying upon its ends eyes 8. Connected with the yoke 6 is an arm 9 provided with a weight 10. This construction is the well known and common type in popular use and by means of the weight 10 the yoke 6 is held in a horizontal position so that the eyes 8 are disposed before the eye holes 11 in the doll head giving the appearance that the doll is awake. As is well known when the doll is laid in a horizontal position the weight 10 by its movement rearwardly will swing the yoke 6 downwardly toward the front so that the appearance of eyelids carried by the yoke will be disposed at the openings 11. My invention consists in an attachment engageable with the arm 9 for holding the arm 9 in a vertical or horizontal position and against movement. In order to accomplish this, I provide a rod 12 extending through the rear portion of the doll head 5 somewhat off the center line thereof and passing through a bearing guide formed by a lump 13 of plaster-of-Paris or the like molded on the inside of the back of the head. The upper end of the rod 12 is provided with a milled or knurled head 14 by means of which the rod may be turned. The forward end of the rod 12 is bent at right angles, to form an arm 15 which is bent at its end to form an extension 16 disposed at an acute angle to the arm 15.

The rod 12 being in position, as shown by dotted lines in Fig. 4 with the arm 15 extending straight downwardly and the extension 16 being disposed on one side of the arm 15, the arm 9 carrying the weight 10 is unobstructed in its movement, thereby allowing the weight to actuate the yoke in the ordinary manner.

In order to lock the eyes in their open position, it is merely necessary to turn the milled head 14 to the right a partial turn, thereupon the arm 15 will be swung downwardly in the rear of and substantially against the arm 9 thereby preventing rearward movement of the arm 9 by means of the weight 10 when the doll is laid down, as shown in Fig. 1.

The rod 12 being in its inoperative position, shown by dotted lines in Fig. 4, in order to lock the eyes in their closed position, it is necessary to turn the doll into a horizontal position with its back down where-

upon turning of the head 14 will cause the extension 16 to be moved into engagement with the arm 9, thereby preventing the arm 9 from moving downwardly when the doll is returned to an erect position. When the eyes are thus locked closed, a laterally extending finger 17 on the rod 12 will engage a second lump 18 of plaster-of-Paris or the like secured upon the inside of the doll's head and serving as a stop, as shown in Figs. 2 and 3.

The eyes being locked in their open position, as shown in Fig. 1, in order to lock them in their closed position, it is necessary to turn the head 14 to the left to return it to its inoperative position, as shown by dotted lines in Fig. 4, after which the procedure is as previously described.

From the foregoing description taken in connection with the accompanying drawing, it will be apparent that I have thus provided a simple and novel device by means of which the swinging eyes of a doll may be quickly, easily and securely locked in their open or closed position, thereby enabling the doll to be laid down with its eyes remaining open or held upright as in a child's arm with the eyes remaining closed, thereby affording additional pleasure to the child using the doll.

It will be readily understood that I reserve the right to make various changes in the form, construction and arrangement of parts without departing from the spirit of the invention or limiting the scope of the subjoined claims.

Having thus described my invention, I claim:

1. The combination with a doll head having eye openings therein, of an eye-carrying yoke pivotally mounted therein, a rod connected to the yoke, said rod being constructed and arranged to lie in a substantially vertical position when the eyes are open and a substantially horizontal position when the eyes are closed, revolubly mounted means for engaging one side of the said rod to maintain the rod in its vertical position and to engage the other side of the said rod to maintain the same in its horizontal position and means for limiting the rotative movement of the said aforementioned means.

2. In combination with a doll head provided with a swinging eye carrying yoke having a weighted arm depending therefrom, the eyes being swung into their open or closed position by the effect of gravity on said weighted arm, means for locking said eye carrying yoke in its horizontal or vertical position, said means comprising a rod journaled in said head, a milled head on the outer end of said rod whereby it may be turned, an extension on the inner end of said rod engageable with said weighted arm when said doll is in an erect position, a second extension on said first extension engageable with said weighted arm when said weighted arm is in a vertical position with the doll disposed in a horizontal position, and a lateral extension on said rod engageable with a stop in said head when said second named extension is engaged with said weighted arm.

3. The combination with a doll head having eye openings therein, of an eye carrying yoke pivotally mounted in said head, a rod secured to said yoke and extending outwardly therefrom, said rod being slightly inclined from the vertical when the eyes are closed, a horizontally disposed rod revolubly mounted in said head and having an angularly extending portion on the end thereof arranged to engage the said rod and to bind the same in its inclined position upon the rotation thereof.

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

SUSAN T. MORI.

Witnesses:
H. A. HALLSTED,
ABBIE G. ROGERS.