

June 2, 1925.

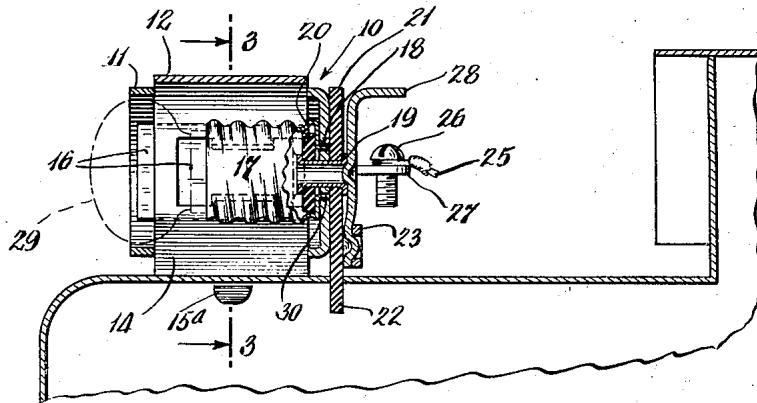
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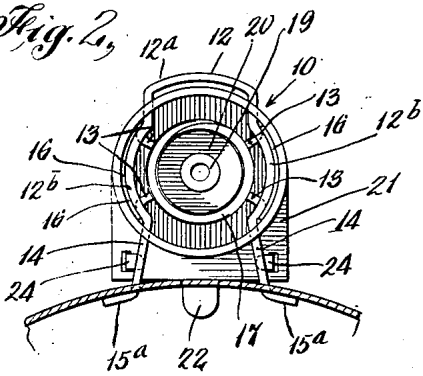
TOY HEADLIGHT

Filed March 6, 1924

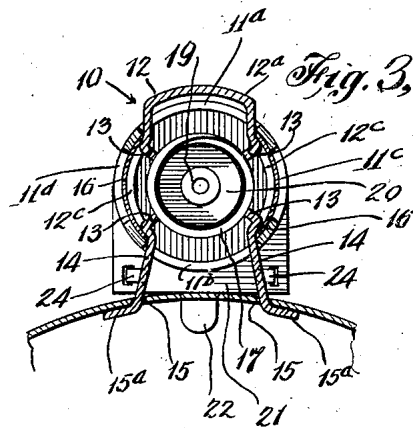
*Fig. 1,*



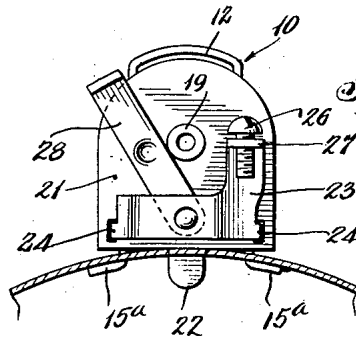
*Fig. 2,*



*Fig. 3,*



*Fig. 4,*



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# UNITED STATES PATENT OFFICE.

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## TOY HEADLIGHT.

Application filed March 6, 1924. Serial No. 697,271.

*To all whom it may concern:*

Be it known that MARIO CARUSO, citizen of the United States, residing at Irvington, in the county of Essex and State of New Jersey, has invented certain new and useful Improvements in Toy Headlights, of which the following is a specification.

This invention relates to toy headlights for toy locomotives. More particularly, the invention is directed to the provision of a toy of the character described which is modeled to resemble an actual locomotive headlight and which may be easily and securely installed on the toy locomotive frame to carry a miniature electric lamp.

Among the objects of the invention is the provision of a toy headlight of the character described of few and simple parts which shall be cheap and easy to manufacture, readily assembled, and secured to the toy locomotive frame, highly durable in construction, and so made and designed as to realistically imitate the usual headlight employed on actual locomotives.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

The invention accordingly consists in the features of construction, combination of elements and arrangement of parts which will be exemplified in the construction hereinafter described, and of which the scope of application will be indicated in the following claims.

In the accompanying drawing, in which is shown one of the various possible illustrative embodiments of this invention,

Fig. 1 is a cross-sectional view in side elevation showing the toy headlight embodying the invention in place on a toy locomotive, the frame of the latter being shown partially;

Fig. 2 is a front elevational view corresponding to Fig. 1;

Fig. 3 is a sectional view taken along line 3—3 of Fig. 1; and

Fig. 4 is a rear elevational view of the headlight shown in Fig. 1.

Referring in detail to the drawing, the toy headlight there illustrated is seen to comprise a housing or shell indicated generally at 10, and made of two parts 11 and 12, each of which is preferably formed from stamped sheet metal. Part 11 is shaped so as to comprise a cylindrical body for hold-

ing the headlight, and part 12 is of substantial U-shape and serves as the ventilating hood and to hold the assembled casing to the locomotive body as will hereinafter appear. The cylindrical body piece 11 is provided at the top and bottom with openings 11<sup>a</sup> and 11<sup>b</sup> respectively, and similar openings 11<sup>c</sup> and 11<sup>d</sup> are cut in the sides thereof. The member 12 has a top portion 12<sup>a</sup> adapted to extend above the cylindrical member 11 over the opening 11<sup>a</sup> thereof so as to imitate the ventilating hood of the headlight. The two sides of this U-shaped member 12 are bent outwardly below the hood portion so as to provide arcuate portions 12<sup>b</sup> which extend over the side openings 11<sup>c</sup> and 11<sup>d</sup> in the member 11. These portions 12<sup>b</sup> are cut out so as to provide therein openings 12<sup>c</sup> which register with the corresponding openings 11<sup>c</sup> and 11<sup>d</sup>; and at the upper and lower edges of said openings 12<sup>c</sup>, the material is bent inwardly to provide tabs or projections 13 for the purpose hereinafter to appear. As shown in Figs. 2 and 3, a pocket is formed to each side of the housing 10 between the body 11 and the arcuate portions 12<sup>b</sup> wherein a piece of transparent material may be inserted so as to show through the side openings in the body 11 to provide side windows for the headlight in imitation of the actual headlight construction. Said material 16 may be colored if desired for ornamental or realistic effect.

Extending below the arcuate portions 12<sup>b</sup> of the member 12 are diverging leg portions 14 adapted to extend through slots 15 in the locomotive body so as to secure the assembled casing to the latter by bending said leg portions outwardly and against the interior of the locomotive frame as shown at 15<sup>a</sup>. The two parts of the casing 11 and 12 are made in separate operations from the sheet metal so as to give them the desired shape and then the casing is assembled by interlocking these two parts as shown in the drawing, the legs 14 of the U-shaped member 12 being inserted through the opening 11<sup>a</sup> in the top of the member 11 by sufficiently bringing the two sides of the member 12 together and then these are allowed to spring back against the interior of the member 11 with the arcuate portions 12<sup>b</sup> binding against the transparent windows 16 as will be readily understood.

Mounted within the housing 10 is a miniature lamp receptacle such as the screw shell socket 17 which may be supported on the end wall 18 of the member 11 in any suitable manner, as for example by means of an elongated metal eyelet 19, which firmly clamps the socket 17 and the end wall 18 between an insulating washer 20 held within the socket, and an insulating backing piece 21 on the rear side of said wall 18. A tab 22 projecting from the bottom edge of backing piece 21 may be provided to extend through frame 14 to prevent movement of the backing piece 21 relative to the frame.

A contact piece 23 which may preferably be an L-shaped brass or copper stamping may be securely mounted to the lower portion of backing piece 21 by bendable fastening clips 24 made integral therewith as shown in Figs. 2, 3 and 4. The upper end of contact piece 23 may be provided with means for fastening the conducting wire 25 thereto such as binding screw 26, threaded into rearwardly extending lug 27.

A switch for controlling the current to the socket may be provided comprising a switch blade 28, preferably of spring brass or copper mounted on contact piece 23 directly under the rear end of eyelet 19 and swingable to complete or break the circuit from the contact piece 23 to the ferrule 17 through eyelet 19. From Figs. 1 and 4 it can plainly be seen that the switch parts are simple, rugged and adequate for the service required.

A bulb 29, shown in dotted lines in Fig. 1 may be screwed into the socket 17 in the usual manner. The lips 13 extending from the portions 12<sup>b</sup> of member 12 serve as side supports for the socket 17, and from the rear wall of the latter, small lugs 30 may be stamped and bent to project into corresponding small holes in wall 18 of the body piece to prevent the socket from rotating when the bulb 29 is inserted or removed therefrom.

It is obvious that the above described device may be constructed without the switch in which case eyelet 19 may be replaced by a screw (not shown) with a fastening nut against backing piece 21 and wire 25 fastened to the screw end.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved and which is well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention and as various changes might be made in the embodiment above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

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

1. A toy headlight for toy locomotives comprising a hollow cylindrical body piece having two rectangular shaped openings positioned diametrically opposite one another, and a substantially rigid U-shaped supporting member fitted through the said openings and interlocking with said cylindrical body.

2. In a toy locomotive, a toy-head-light therefor comprising a hollow cylindrical body piece having two rectangular shaped openings in the sides thereof positioned diametrically opposite one another, and a substantially rigid U-shaped supporting member fitted to pass through the said openings, and a receptacle supported within the body piece adapted to hold and light a miniature electric lamp and a switch to make and break the circuit to the receptacle.

3. In a toy head-light for toy locomotives, a hollow cylindrical body piece having two rectangular shaped openings positioned diametrically vertical alignment with one another, and a U-shaped supporting member fitted to pass down through the said openings with the bent portion thereof extending over the upper opening to resemble a top ventilating hood for a head-light, and the leg portions thereof interlocking with said body piece.

4. A toy-head-light for toy locomotives comprising a hollow cylindrical body piece having two openings positioned in diametrical vertical alignment with one another, and two side openings, and a U-shaped supporting member fitted to pass down through said first mentioned openings with the bent portion thereof extending over the upper opening to resemble a top ventilating hood for a head-light, and the leg portions thereof interlocking with said body piece, said leg portions having openings therein to register with said side openings of the body piece, said body piece and U-shaped member forming pockets for receiving transparent closures for said side openings.

5. A toy locomotive head-light comprising a hollow cylindrical body piece having two rectangular shaped openings positioned in diametrical vertical alignment with one another, and a U-shaped supporting member fitted to pass down through the said openings with the bent portion thereof extending over the upper opening to resemble a top ventilating hood for a head-light and the leg portions thereof interlocking with said body piece, a lamp receptacle within the body piece, and inwardly bent lips on the edges of the side openings of said leg portions to provide side supports for the receptacle.

6. A toy head-light for toy locomotives

comprising a hollow cylindrical body piece having two openings positioned in diametrical vertical alignment with one another, and two side openings, and a U-shaped supporting member fitted to pass down through said first mentioned openings with the bent portion thereof extending over the upper opening to resemble a top ventilating hood for a head-light, and the leg portions thereof interlocking with said body piece, said leg portions having openings therein to register with said side openings of the body piece, said body piece and U-shaped member forming pockets for receiving transparent closures for said side openings, and a receptacle mounted within the body piece adapted to support and to light a miniature electric lamp, and means on the receptacle to prevent the turning thereof when inserting or removing of the said lamp therefrom.

In testimony whereof I affix my signature.

MARIO CARUSO.