R. W. ERDLE.

SELF LUMINOUS CHAIN PENDANT.

APPLICATION FILED MAY 16, 1918.

1,405,770. Patented Feb. 7, 1922.

Fig. 7

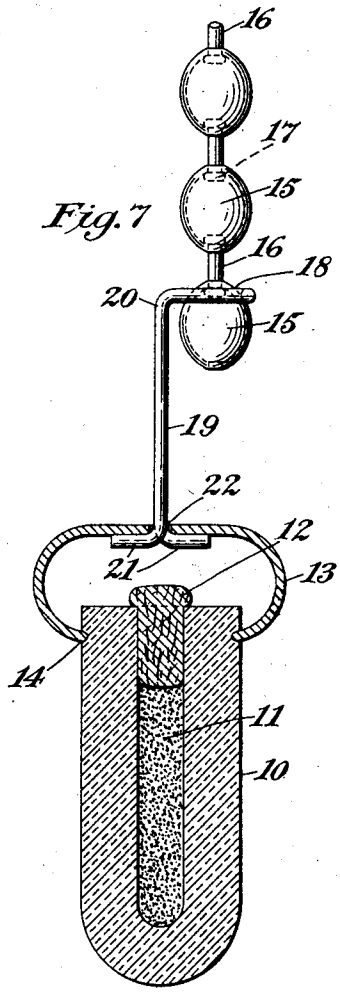


Fig. 2

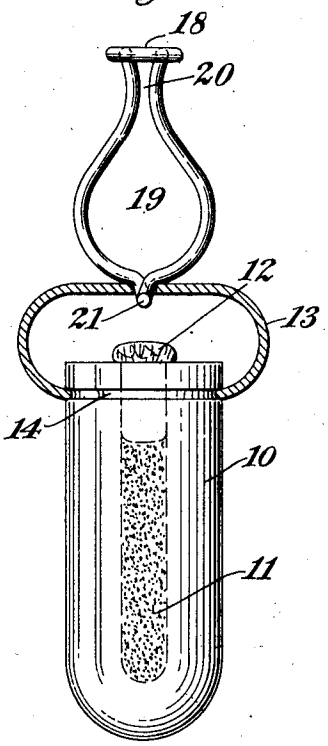
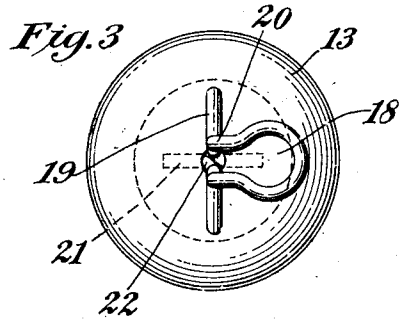


Fig. 3



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SELF-LUMINOUS CHAIN PENDANT.

1,405,770. Specification of Letters Patent. Patented Feb. 7, 1922.

Application filed May 16, 1918. Serial No. 234,847.

To all whom it may concern:

Be it known that I, REINER W. ERDLE, a subject of the Emperor of Germany, who have declared my intention of becoming a citizen of the United States, and now residing in Weehawken, in the county of Hudson and State of New Jersey, have invented a certain new and useful Improvement in Self-Luminous Chain Pendants, set forth in the following specification and illustrated in the accompanying drawings.

My present invention relates to an improved form of self-luminous pendant adapted to be attached to any object which it is desirable to locate readily in the dark; and, more particularly, to a device of this character so constructed as to be quickly, easily and securely attached to the chains commonly employed hitherto for operating the switches on incandescent electric lamps.

My invention is illustrated in a preferred form in the accompanying drawings, wherein Figure 1 is a vertical sectional view of the same as applied to a switch chain, the chain and attaching loop being shown in elevation, Figure 2 is a side elevation of the same removed from the chain and showing the shell in section, and Figure 3 is a plan view of the same. These views show my device much exaggerated in size.

The pendant proper consists of a glass container 10 having a narrow bore packed with self-luminous material 11 and preferably closed by means of a stopper 12 which may be of any convenient material, such as asbestos or glass.

The preferred means for suspending this pendant comprise a shell or cap 13 made of thin metal turned inward underneath, and having its inturned edge spun into a circumferential groove 14 near the top of the container 10. By this means the shell and container are firmly and securely united. This shell is used in combination with an attaching means preferably formed as shown in the drawings to facilitate its ready and secure application to the well known form of switch-operating chain shown in Figure 1.

These chains are composed of small hollow spun metal balls 15, united by short sections of wire 16 having heads 17 within the balls, whereby a sufficient amount of relative movement of the balls is permitted to secure complete flexibility.

The attaching means is preferably formed of a single wire so bent as to produce an upper loop 18 and a lower and larger loop 19 preferably formed in the horizontal and vertical plane, respectively, and united by a narrowed portion or neck 20.

The extremities 21 of this wire enter an opening 22 in the top of the shell 13 and are then turned outward in opposite directions, and preferably in a plane at right angles to that occupied by the lower loop 19. As shown in Figures 1 and 2, I prefer to form the loop 19 so that its lower portion bears upon the shell at the two sides of the opening 22, while the ends 21 of the wire are bent close up against the interior surface of the shell. By this arrangement, the wire forming the attaching device acts to prevent any rocking or swinging of the shell 13 and pendant 10 with relation to the attaching device, and all the parts are thus rigidly united.

In applying my pendant to the chain shown in Figure 1, the lower end of the chain (preferably the lowermost ball only) is thrust through the lower and larger loop 19. One of the uniting wire sections 16 is then snapped through the narrow neck 20 and into the upper loop 18. This loop is made small enough to prevent passage through it of one of the balls 15, so that the wire can rest on the upper part of the ball as shown in Figure 1 and be supported by it. To remove the pendant it is only necessary to lift it slightly and draw the wire section 16 through the neck 20 until the ball can be withdrawn through the lower loop 19.

What I claim is—

A device of the class described, comprising a self-luminous pendant, a hollow shell fixed to the same and an attaching wire bent to form a lower loop and an upper and smaller loop and having its extremities inserted in said shell and turned in opposite directions, said extremities and lower loop being made to grip the shell so as to prevent rocking movement thereof.

In testimony whereof, I have affixed my signature to this specification.

REINER W. ERDLE.