

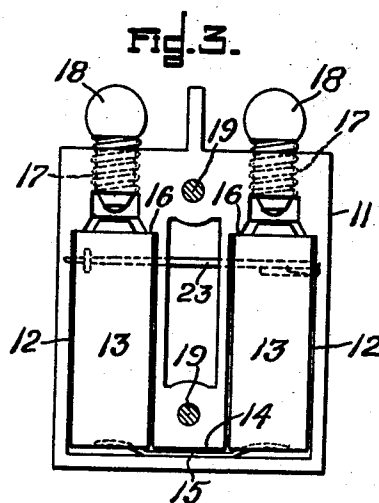
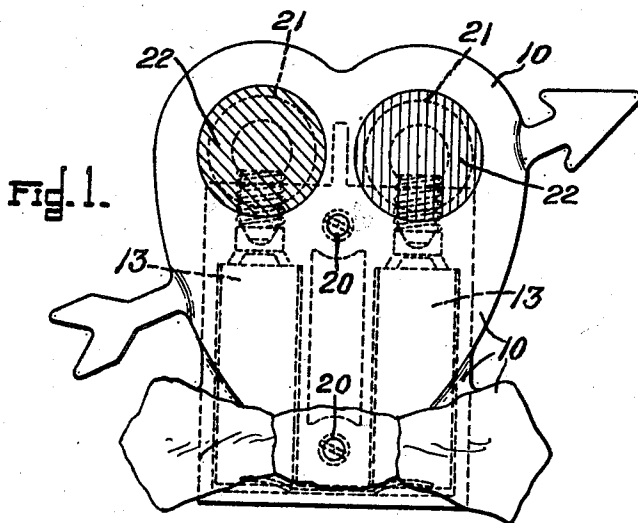
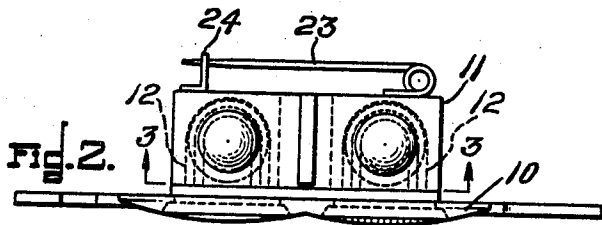
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ILLUMINATED BROOCH

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ILLUMINATED BROOCH

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1 Claim. (Cl. 240-6.4)

My invention relates to illuminated brooches to be worn upon the clothing of a person for purposes of display, amusement and the like, and it has for its object to provide an inexpensive and efficient self-contained device of the character described which can be detachably fastened in position upon the clothing of the wearer and which shall be provided with illuminating means that can be lighted and extinguished at the will of the wearer.

To these ends I have provided a brooch of the character described which, in its preferred form, may be constructed and operate as set forth in the following description, the several novel features of the invention being particularly pointed out and defined in the claim at the close of said description.

In the accompanying drawing:

Figure 1 is a front elevation of a brooch constructed in accordance with my invention and illustrating one form of my invention.

Figure 2 is a top plan view of the brooch shown in Fig. 1.

Figure 3 is a section on line 3-3 of Fig. 2.

The embodiment of my invention shown in Figs. 1, 2 and 3 of the drawing is a box-like structure comprising a molded front section or wall 10 which is preferably made from a plastic and which may be molded to present an ornamental design as shown, and a rear receptacle section 11 of metal made at its front with two recesses 12, 12 within each of which is provided a dry cell battery 13.

Adjacent to its lower end the rear section 11 is made interiorly with a transverse groove 14 within which is confined the intermediate portion of a sheet metal spring 15 whose opposite end portions are within the recesses 12, 12 and bear against the lower ends of the metal casings of the batteries 13 so as to yieldingly urge the latter upwardly against shoulders 16 provided adjacent to the upper ends of the recesses 12. In this way the batteries are held against endwise movement in their recesses. The metal casings of the batteries are, as usual, provided with an outer sheath of insulating material such as paper.

At the upper end of each recess 12 the upper end wall of the rear section 11 is made with a threaded socket 17 into which is screwed the threaded shell of a small electric lamp 18 that is thereby supported in axial alinement with the battery 13 within the recess with which the lower end of the threaded socket communicates, with its center contact directly opposite the center contact of the battery.

It will thus be clear that when either lamp 18 is manually screwed downwardly its center contact will seat upon the center contact of its battery 13 thereby completing the circuit through said lamp. It will also be clear that when either lamp is thereafter manually adjusted outwardly within its socket 17, away from contact with its battery, the lamp will be extinguished.

The front wall 10 is removably fastened in position against the front of the rear section 11 by means of two screws 19 which extend loosely through holes provided in rear section 11 and are screwed into threaded apertures 20 (Fig. 1) formed in the front wall 10. Thus the front wall 10 may readily be removed whenever it becomes necessary to replenish the batteries, but while it is secured in position upon the rear section it assists in holding the batteries in axial alinement with the lamps.

Directly in front of each lamp 18 the front wall 10 is made with a window aperture 21 within which is secured a transparency 22, one of these two transparencies being indicated as colored red and the other as colored green. These transparencies may be made from glass, "Lucite," "Vynlite," or the like, and are cemented in position within their window apertures.

Soldered or otherwise fastened at its one end to the exterior of the back wall of the rear section 11 is a pin 23 whose opposite pointed end portion is adapted to be engaged with a hook 24 that is soldered or otherwise fastened to said wall, said pin and hook providing means by which the brooch is fastened to the clothing of the wearer.

The design of the device shown in Figs. 1, 2 and 3 is appropriate for use by young girls and other young people. For example, when worn by a young girl or woman who is approached by a young man seeking her acquaintance, she can signal encouragement to him by illuminating the green transparency to the exclusion of the red by adjustment of the lamp thereof, or should she desire to repel his attentions then she can illuminate the red transparency to the exclusion of the green by adjustment of the lamp of the same.

Other kinds of transparencies may be substituted for those shown, if desired.

What I claim is:

A device of the character described comprising a box-like rear section, a front wall section, and means separably fastening said sections together, said rear section being provided upon its exterior with means for separably attaching it to a gar-

ment and made interiorly with a pair of battery recesses disposed side by side and having an end wall made with a pair of threaded lamp sockets whereof each is axially alined with one of said recesses; an electric dry-cell battery element held in position within each of said recesses by said front wall section; two electric lamp elements having threaded bases removably mounted within said sockets by which latter said lamp elements are supported each in axial alinement with the axis of one of said battery elements with its center contact directly opposite the center contact of said battery element so that when said

lamp element is manually rotated its center contact is shifted into and out of contact with the center contact of said battery element thereby to close and open a circuit including said two elements; and two transparencies having different visual characteristics each of which is in front of one of said lamp elements so that it is illuminated by the latter when one of said circuits is closed, the bulbs of said lamps being disposed upon the exterior of said rear section back of said transparencies where they are accessible for direct manual operation.

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