

Dec. 9, 1941.

J. F. PLATT

2,265,670

SIGNAL ORNAMENT

Filed March 3, 1941

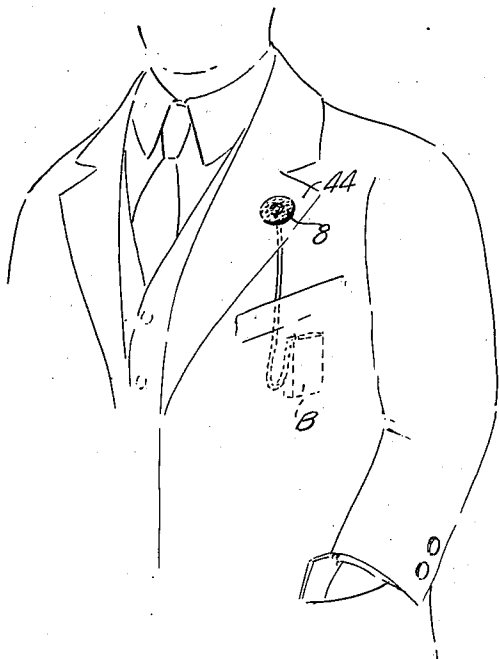


Fig. 1.

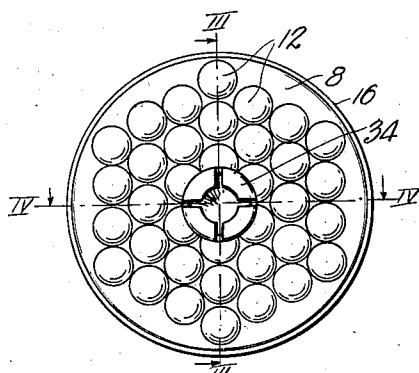


Fig. 2.

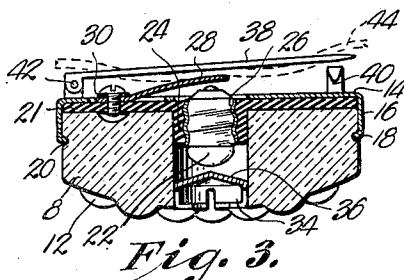


Fig. 3.

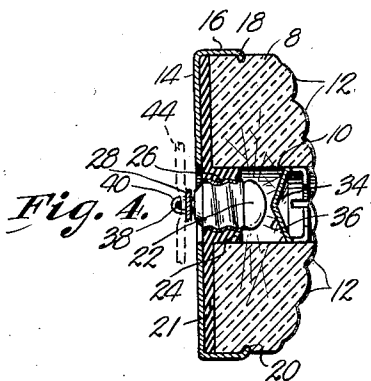


Fig. 4.

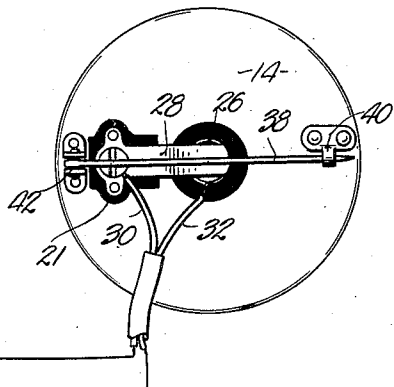


Fig. 5.

INVENTOR.
Jeremiah F. Platt
BY *Paul Hovey* Attorney

UNITED STATES PATENT OFFICE

2,265,670

SIGNAL ORNAMENT

Jeremiah F. Platt, Kansas City, Mo.

Application March 3, 1941, Serial No. 381,603

4 Claims. (Cl. 240—59)

This invention relates to ornaments to be worn on the clothing and particularly signal ornaments having the characteristic of emitting light rays or reflecting rays of light for the purpose of issuing a warning to motorists that a pedestrian is dangerously close.

One of the important aims of this invention is the provision of a signal ornament of the aforementioned character, having means for securing the same to the wearing apparel of the user and having associated therewith, a specially formed body the nature of which will reflect rays of light directed thereagainst, or which will become illuminated over its entire surface area when the specially disposed lamp is caused to burn.

Another important object of the instant invention is to provide a signal ornament for personal wear, having a pin and catch for securing the ornament in place, which pin serves to close a switch and thereby illuminate the ornament when the pin is in the operative position with the catch.

This invention has for an even further aim, to provide an ornament of the above mentioned character, with a specially designed, transparent body within which is housed a lamp for purpose of illumination, and a novelly designed reflector, the nature of which reflector insures that rays from the lamp will be directed to all parts of the transparent body.

Other objects of the invention including details of construction and method of assembly, will appear during the course of the following specification referring to the accompanying drawing wherein:

Fig. 1 is a perspective view of the signal ornament made in accordance with the present invention and illustrating the same in use.

Fig. 2 is an enlarged plan view of the ornament showing the nodules on the face thereof.

Fig. 3 is a cross sectional view through the ornament taken on line III—III of Fig. 2.

Fig. 4 is a similar sectional view taken on line IV—IV of Fig. 1; and

Fig. 5 is a back plan view of the ornament showing the manner in which the electrical circuit to the lamp may be completed.

The most essential component part of the ornament is a transparent body 8, provided with a central, transverse bore 10 extending there-through at the axis thereof. The outer arcuate face of body 8 has a number of nodules 12 formed thereon to increase the surface area and scatter the emitting light rays so that the

body may be effectively seen from different angles.

Body 8 is mounted in a holder comprising a plate 14 annularly flanged as at 16 and having an inturned edge 18 entering a groove 20 formed around the outer edge of body 8. Between plate 14 and the innermost planar side of body 8, is disposed a fiber support 21 for lamp 22. A central boss 24 projects into bore 10 and a screw-threaded bushing 26 is in engagement with the conventional screwthreads of lamp 22.

Plate 14 is cut away as illustrated in Fig. 5 and supports a resilient finger 28, the free end of which is movable toward and from the contact of lamp 22. Finger 28 is in connection with conductor 30 extending to a source of electric energy, such as battery B, and a similar conductor 32 extends from battery B to bushing 24 into which lamp 22 is screwed. Thus, when finger 28 bears against lamp 22, the circuit is closed and the lamp will be caused to burn and illuminate all of body 8. Such illumination is insured by the employment of reflector 34, having a conical reflecting surface 36, the apex of which is on the axis of lamp 22. This reflector 34 is of split construction to permit ease in removing and replacing, and when lamp 22 needs to be renewed, reflector 34 is withdrawn from bore 10 for the purpose.

Since accidental opening of the circuit to lamp 22 may defeat the purpose of the signal ornament, at night, means is provided for closing the circuit and maintaining the same in such condition so long as the ornament is in the operative position on the garment of the wearer.

Pin 38 and catch 40 of well-known character are arranged as shown in Figs. 3 and 4. When pin 28 is swung about its pivotal connection 42, to cause the free end to engage catch 40, a part of the garment 44 is disposed between finger 28 and pin 38. Thus, finger 28 is forced against lamp 22 but insulation is provided in the form of the fabric through which pin 38 is passed.

If the source of electrical energy should accidentally be depleted, the nodules 10 on the face of body 8 will serve to catch projected rays of light from a head-lamp and the reflecting characteristics of body 8 will serve to re-project certain of the rays to warn the approaching motorist. This unique, novel and inexpensive signal ornament is easily attached and worn and may be secured to any part of the garment. The battery B is small and may be pocketed where desired.

Having thus described the invention, what is

claimed as new and desired to be secured by Letters Patent is.

1. A signal ornament of the character described comprising a transparent body; a lamp mounted on the body to illuminate the same; a pin swingably carried by the body; a catch receiving the pin to hold the latter in operative position; a circuit for supplying electrical energy to the lamp; and a switch, having a resilient finger in the path of travel of the pin, in the circuit, said switch being closed by the pin coming into engagement with the finger to flex the same when the pin is received by the catch.

2. A signal ornament of the character described comprising a transparent body; a lamp mounted on the body to illuminate the same; a pin swingably carried by the body; a catch receiving the pin to hold the latter in operative position; a circuit for supplying electrical energy to the lamp; and a switch in the circuit, said switch being closed by the pin when the latter is received by the catch, said body having a bore formed therethrough, said lamp being within the bore at one end thereof, the other end of said bore being closed by a plug having a re-

flector in opposed relation to the lamp formed to direct rays of light radially into the transparent body.

3. A signal ornament of the character described comprising a transparent body having a bore formed transversely therethrough at the axis thereof; a holder for the body secured against one side of the body; a lamp on the holder extending into the bore at one end thereof; a resilient switch finger carried by the holder for movement toward and from the lamp to make and break the electrical circuit thereto; a pin swingably supported on the holder; a catch receiving the pin to hold the latter in operative position; and a plug closing the opposite end of the bore having a conical reflecting face adjacent to the lamp to direct rays of light radially through the transparent body, said switch finger being held in a circuit closing position when the pin is in the operative position.

4. A signal ornament as set forth in claim 3, characterized by nodules on the opposite side of the body to increase the surface area thereof.

JEREMIAH F. PLATT.