No. 776,211. PATENTED NOV. 29, 1904.

A. T. ABBEY & F. J. ESMOND.

FLUORESCENT INDICATOR.

APPLICATION FILED AUG. 29, 1903.

NO MODEL.

Fig. 3.

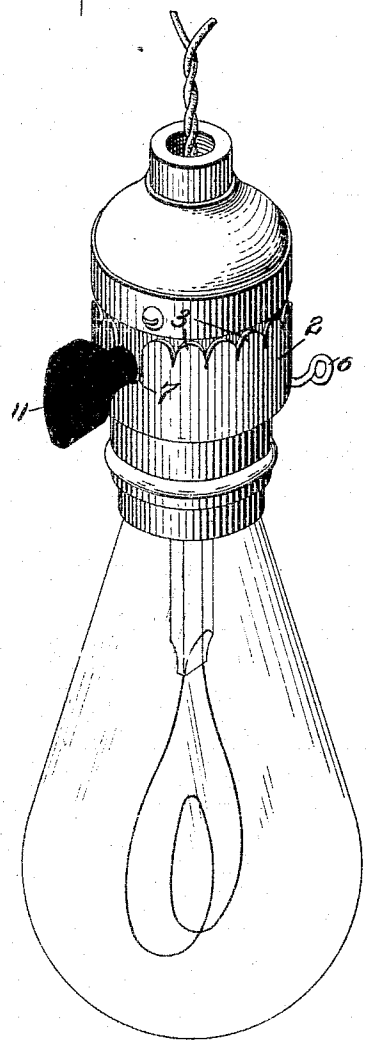


Fig. 1.

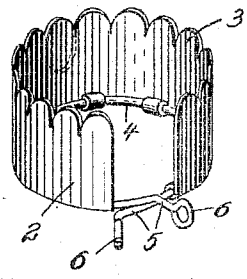


Fig. 2.

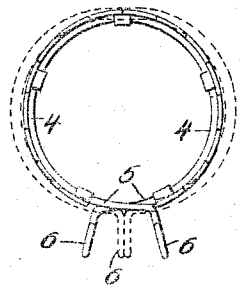
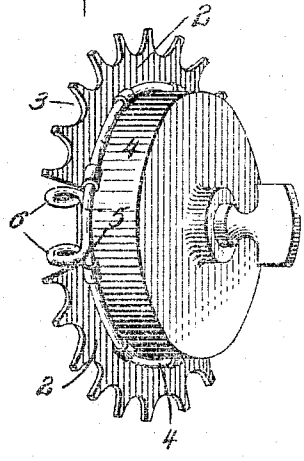


Fig. 4.



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No. 776,211. Patented November 29, 1904.

UNITED STATES PATENT OFFICE.

ALFRED T. ABBEY AND FREDERICK J. ESMOND, OF VICTORIA, CANADA.

FLUORESCENT INDICATOR.

SPECIFICATION forming part of Letters Patent No. 776,211, dated November 29, 1904.

Application filed August 28, 1903. Serial No. 171,084. (No model.)

To all whom it may concern:

Be it known that we, ALFRED T. ABBEY and FREDERICK J. ESMOND, citizens of the Dominion of Canada, residing at the city of Victoria, in the Province of British Columbia, Canada, have invented a new and useful Improvement in Fluorescent Indicators, of which the following is a specification.

Our invention relates to an improved means for indicating in the dark the position of an electric switch-box, drop-key, or incandescent lamp.

The inconvenience has long been felt of having to feel round in a dark room to find any of these before being able to turn on the light, and it has been largely to overcome this difficulty that lamps have been introduced having a secondary filament of low candle-power.

The object of this invention is to provide a band or ring of fluorescent or light-emitting material and removably secure the same to the article to be indicated by a fastening that will readily adapt itself to slight variations of size in the part to which it may be desired to attach it and that can be removed without any difficulty when occasion requires. The means by which these objects are effected are fully described in the following specification and illustrated in the drawings which accompany and form a part of this application.

Figure 1 is a perspective view of the device detached; Fig. 2, a plan of the same, showing by dotted lines the enlargement of the band during removal or attachment; Fig. 3, a perspective view showing the application to an incandescent lamp, and Fig. 4 a perspective view showing the application of a modified form to the base of a switch-box.

The indicator consists of a ring 2, of celluloid or any material suited to the reception and retention of fluorescent properties, whether from phosphorescent paint or however attained, and the ring may be provided with a scalloped edge, as 3, that its emitted light may have a characteristic feature that will enable it to be readily identified, to carry out which the form of the scallop may be varied.

The ring 2 is secured to a resilient clasp 4, the ends 5 of which pass or overlap one another and are outwardly bent, as 6, to form opposing finger-engaging members, which being pressed together between finger and thumb enlarge the ring, as indicated by dot-and-dash lines in Fig. 2, and enable it to be passed onto the base of a switch-box, socket of a lamp, or whatever it may be desired to attach the indicator to.

When the device is applied to a switch-box, bell-push, or similar wall attachment, the modified form illustrated in Fig. 4 is to be preferred. In this construction the fluorescent member is in the form of a flange or ring, so as to lie against the wall and show its glow to the front.

When applied to a lamp-socket, a portion 7 is removed from the upper edge of the ring to enable it to clear the cut-off key 11 of the lamp.

It will be noticed that the indicator can be applied to any standard lamp or electric fixture and readily transferred from one to another, as occasion may require.

We are aware that phosphorescent indicators have been previously used on such articles as match-boxes, &c., but believe we have been the first to apply such in the manner proposed for the purpose specified.

We declare, therefore, that what we claim as new, and desire to be protected in by Letters Patent, is—

1. An indicator of the class described comprising a resilient clasp adapted to encircle the socket of a lamp or similar article, the ends of the clasp being overlapped and outwardly turned to form opposing finger and thumb engagements, and a ring of fluorescent material secured to the clasp.

2. An indicator of the character described, comprising a band of resilient material adapted to be bent into a circle to fit around the socket of the lamp or other similar article, and a second resilient member bent to a circular shape, said second resilient member being attached to the inner edge of the first resilient member and having its ends extended beyond the adjacent edges of the first resilient member and crossing each other and terminating in finger-pieces that project at right angles with respect to the resilient member, for the purposes specified.

3. An indicator of the character described, comprising a band of a resilient fluorescent material having a serrated upper edge and a cut-away portion, said band adapted to be bent into a circular form to fit around the socket of a lamp or other similar article with the cut-away portion receiving the socket-key, a spring-wire member bent into a circular shape and secured to the lower edge of the resilient band, and having its ends extended beyond the adjacent edges of the resilient band and crossing each other and terminating in finger-pieces projecting radially with respect to the axial line of the resilient band when bent into shape for the purposes specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

ALFRED T. ABBEY.
FREDERICK J. ESMOND.

Witnesses:
R. S. DAY,
BEAUMONT BOFF.