June 29, 1937. M. RAMLAU 2,085,331

DOOR LOCK INDICATOR

Filed June 11, 1935

FIG. 1

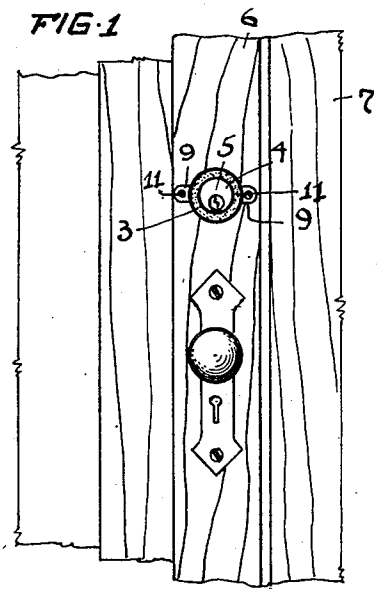


FIG. 2

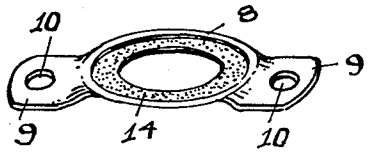


FIG. 3

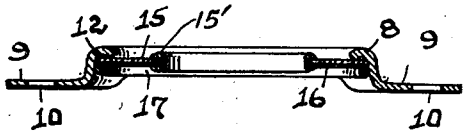


FIG. 4

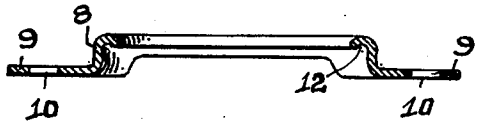


FIG. 5

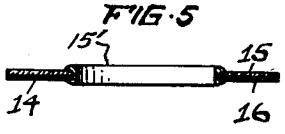
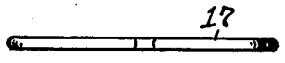


FIG. 6



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DOOR-LOCK INDICATOR

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Application June 11, 1935, Serial No. 26,026

1 Claim. (Cl. 240—2.25)

My invention relates in general to door locks and aims to provide certain new and useful improvements in connection with devices of this character.

It is a well appreciated fact that at night, in the dark, difficulties are often encountered in unlocking locks of house doors, automobile doors, etc. This is due to the fact that the small key holes of modern locks are hardly visible in the dark and that therefore the keys for the locks must be fitted by mere sensing, a method rather complicated and unsatisfactory.

The primary object of this invention is to overcome the above named difficulties in unlocking of locks in the dark in a simple, effective and economic manner, by providing visible, light radiating means at or around the key hole of a lock, so as to visibly indicate the key hole and permit of a key being readily and easily fitted into its key hole without any difficulty at any time.

This object and the above enumerated advantages of my invention, as well as others not set forth, will be readily apparent from the following detailed description of the accompanying drawing, wherein:—

Figure 1 is a fragmentary front view of a house door embodying a cylinder lock having its exposed front end encircled by a light radiating lock attachment according to the invention.

Figure 2 is a perspective view of the attachment shown in Figure 1.

Figure 3 is a longitudinal sectional view through the attachment.

Figures 4 through 6 show the individual parts of the attachment before its assembly.

Thus Figure 4 is a sectional view through the base member supporting the light radiating member.

Figure 5 is a sectional view through the light radiating member; and

Figure 6 is a sectional view through the radiating member supported by the base member.

In the particular exemplification of the invention, as illustrated in Figures 1 through 6 of the drawing, the light radiating means for the lock is shown as an attachment member 3 applied to a cylinder lock 4, by aligning this member with the cylinder 5 of the lock and attaching the member in any suitable manner to the lock rail 6 of a door 7, carrying the lock 4. This attachment member embodies a ring-shaped base 8, having oppositely arranged ear portions 9, which portions are perforated at 10 to permit of the attachment of the base ring to the lock rail 6 by means of screws 11. Preferably, as shown, the base ring 8 is recessed and forms a seat 12 for a light radiating ring member 14, embodying a ring-shaped disc 15 of transparent weather resisting material, such as glass or mica, which disc is lined with a layer 16 of phosphorescent material and has its inner edge reenforced and strengthened by a ferrule 15'. The ring member 14 is firmly held in the base ring 8 by means of a wire split ring 17.

The described lock attachment will clearly indicate in the dark the position of the revolving plug of the lock 4 and also furnish sufficient light to permit of a key being readily fitted into the key hole in the revolving plug.

While I have shown and described what I believe to be the simplest and best construction of my invention, the same may be altered in certain details without, however departing from the spirit of my invention.

What I claim is:

As an article of manufacture for indicating door-locks in the dark a door-lock indicator comprising a cylindrical base member having at its upper edge a narrow, inwardly extending annular flange and at its lower edge outwardly extending symmetrically arranged fastening means, a phosphorescent ring member arranged within said member and resting with its upper face against the annular flange thereof and a locking ring within said base member engaging the lower face of said ring member, said ring member and said locking ring being arranged within the upper portion of said base member and said ring member having its inner edge reenforced by a ferrule and being arranged a substantial distance above said fastening means to permit of proper mounting of said indicator on a door rail and alignment of said ferrule with the forwardly extended face of a cylindrical lock mounted in said door rail.

MARIE RAMLAU.