Dec. 18, 1951 B. HEINZ 2,579,146

LUMINOUS ATTACHMENT FOR LOCKS

Filed July 17, 1950

Fig. 1.

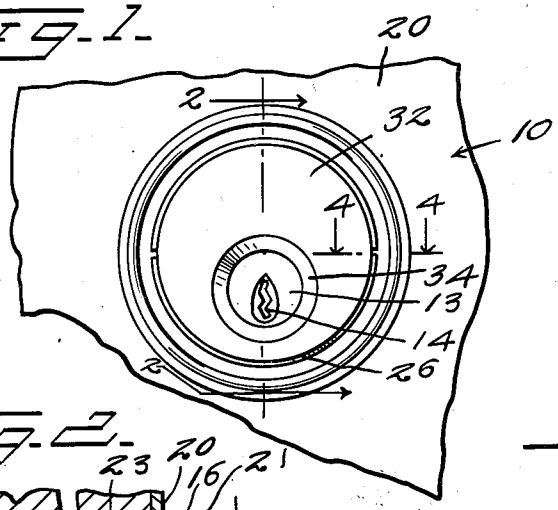


Fig. 2.

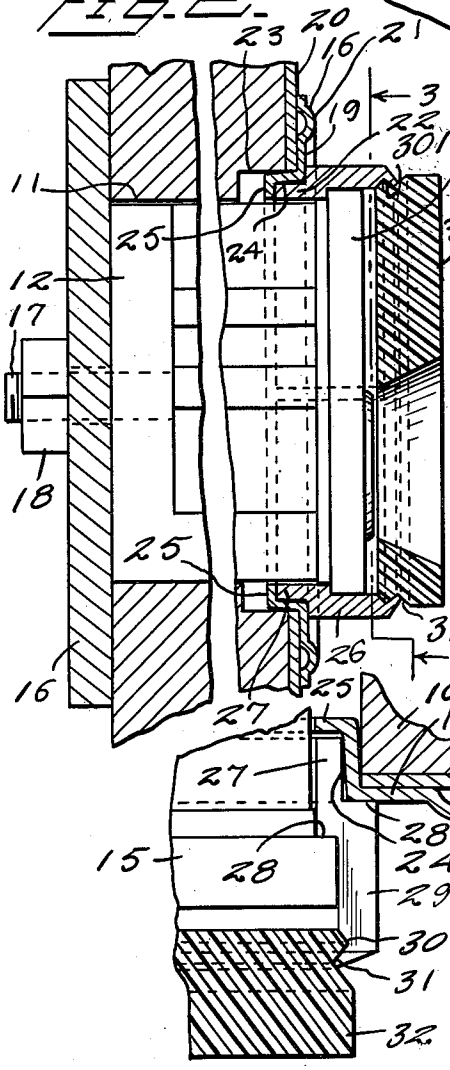


Fig. 3.

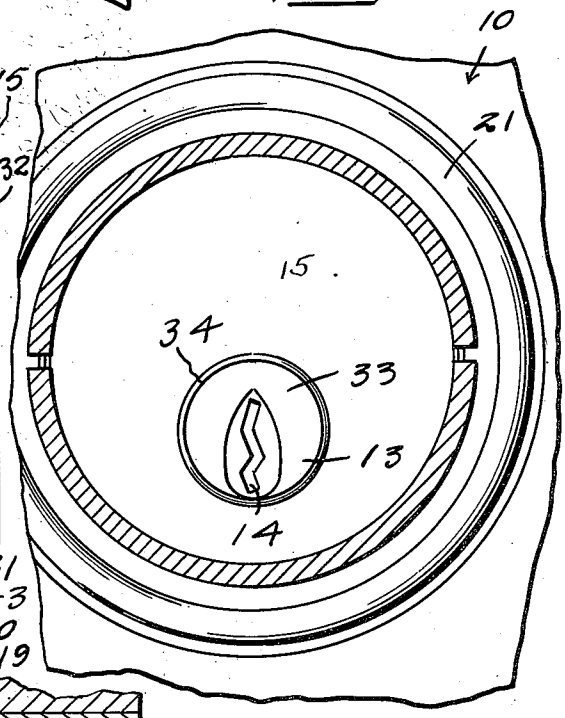


Fig. 4.

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LUMINOUS ATTACHMENT FOR LOCKS

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4 Claims. (Cl. 250—76)

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This invention relates to a luminous attachment for locks and, more particularly, to a supplemental escutcheon plate adapted to be applied to a conventional lock of that type including a face plate to lend the same visibility in the dark.

The primary object of the invention is the provision of an improved accessory for escutcheon plates of luminous character whereby the insertion of a key into the keyhole in darkness is facilitated.

An additional object of this invention is the provision of such a device which may be readily applied to that type of lock embodying a face plate.

Still another object of the invention is the provision of an accessory of this character which will be difficult to remove except from the interior of the lock.

A still further object of the invention is the provision of such a device which is sturdy and durable in construction, reliable and efficient in operation, and relatively simple to manufacture, assemble, and install.

Other objects will in part be obvious and in part be pointed out as the description of the invention proceeds and shown in the accompanying drawings wherein there is disclosed a preferred embodiment of this inventive concept.

In the drawings:

Figure 1 is a plan view of one form of accessory embodying this invention shown as attached to a lock.

Figure 2 is an enlarged sectional view taken on the line 2—2 of Figure 1.

Figure 3 is an enlarged view taken substantially along the line 3—3 of Figure 2; and

Figure 4 is an enlarged sectional view taken along the line 4—4 of Figure 1.

Similar reference characters refer to similar parts throughout the several views of the drawings.

Referring now to the drawings in detail, there is generally indicated at 10 a fragment of a door or the like provided with an aperture or bore 11 in which is fitted a lock cylinder 12 provided with the conventional barrel 13 and keyhole 14. The lock includes an escutcheon plate 15 and a bezel 16 to be more fully described hereinafter.

The lock is adapted to be secured within the bore 11 by means of a locking plate 16 and bolts 17 and nuts 18.

Referring back to bezel 16 which is substantially of conventional design, it will be seen that the same consists of a flange 19 adapted to overlie the face plate 20 of the lock and is provided with an arcuate channel or groove 21. The bezel includes an inwardly extending flange 22 which fits within a recess 23 formed in the face plate 20 and the door 10, the flange being tapered inwardly as at 24 and terminating in a right angularly disposed flange 25 which is adapted to fit beneath the rim of a clamping ring 26 to be more fully described hereinafter.

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The clamping ring 26 comprises a split segmental member which is provided with a flange 27 which extends interiorly of the chamfered or beveled portion 24 of the bezel and is provided with a shoulder 28 adapted to fit against the horizontal portion of the bezel 19. An interiorly positioned shoulder 28 is adapted to seat against the underside of the escutcheon plate 15 of the conventional lock, while a laterally extending flange 29 extends beyond the bezel 15 and is provided adjacent its extremity with a chamfered groove 30. The groove 30 is adapted to engage with a corresponding groove 31 peripherally formed about the supplemental escutcheon plate of luminous plastic 32, the material comprising Lucite or the like which is adapted to be luminous in the darkness, and, consequently, to provide illumination about the keyhole.

The plate 32 is provided with an aperture 33 which surrounds the barrel 13 and is beveled as at 34 to guide the insertion of a key into the keyhole 14.

In this embodiment of the invention it will be readily understood that by loosening of the nuts 18 the split clamping ring 26 may be readily inserted in the tapered groove 24 and clamped within and about the peripheral groove 31 of plastic escutcheon plate 32.

Tightening of the nuts 18 will then result in drawing the flange 27 into the tapered groove 24 in such manner as to effect a wedging and clamping action thereon which will tightly engage the clamping ring 26 about the edges of escutcheon plate 32 to preclude the removal of the same unless the nuts 18 on the inner side of the door are loosened.

From the foregoing it will now be seen that there is herein provided an improved supplemental escutcheon plate which accomplishes all the objects of this invention, and others, including many advantages of great practical utility and commercial importance.

As many embodiments may be made of this inventive concept and as many modifications may be made in the embodiments hereinbefore shown and described, it is to be understood that all matter herein is to be interpreted merely as illustrative, and not in a limiting sense.

I claim:

1. An accessory for locks of that type including a cylinder, a barrel, a keyhole, an escutcheon plate, and a bezel having a channel therein, comprised of a superposed luminous supplemental escutcheon having a peripheral groove therein, a split clamping ring having a groove coacting with said first mentioned groove, and a clamping flange engaging in said channel.

2. An accessory for locks of that type including a cylinder, a barrel, a keyhole, an escutcheon plate, and a bezel having a channel therein, comprised of a superposed luminous supplemental escutcheon having a peripheral groove therein, a split clamping ring having a groove coacting with said first mentioned groove, and a clamping flange engaging in said channel, said channel being tapered downwardly to effect a clamping action on said ring.

3. An accessory for locks of that type including a cylinder, a barrel, a keyhole, an escutcheon plate, and a bezel having a channel therein, comprised of a superposed luminous supplemental escutcheon having a peripheral groove therein, a split clamping ring having a groove coacting with said first mentioned groove, and a clamping flange engaging in said channel, said bezel including a flange and said clamping ring including a shoulder seating in said flange.

4. An accessory for locks of that type including a cylinder, a barrel, a keyhole, an escutcheon plate, and a bezel having a channel therein, comprised of a superposed luminous supplemental escutcheon having a peripheral groove therein, a split clamping ring having a groove coacting with said first mentioned groove, and a clamping flange engaging in said channel, said supplemental escutcheon including a beveled aperture for guiding a key into said keyhole.

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The following references are of record in the file of this patent:

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