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1,676,390

J. E. HALFERTY

STRIKER PLATE FOR LOCKS

Filed Dec. 10, 1927

Fig. 1

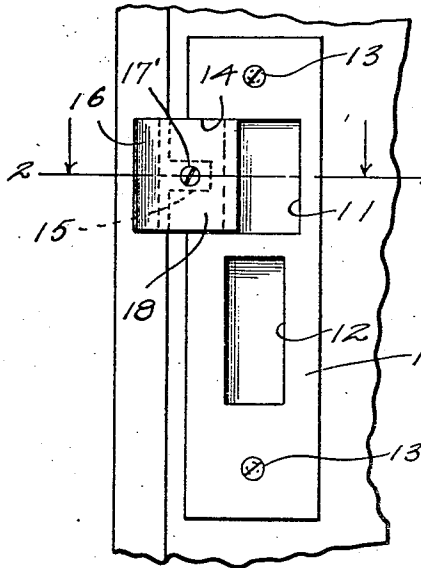


FIG. 2

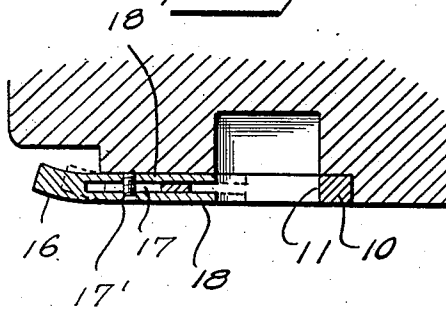


Fig. 4.

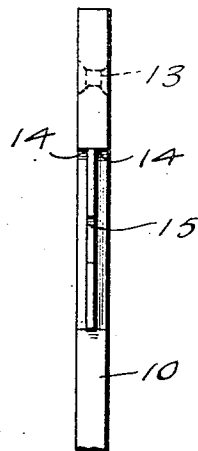


Fig. 5

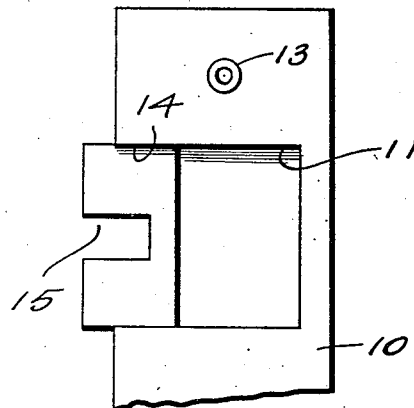
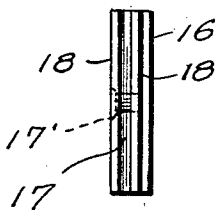


Fig. 3.



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STRIKER PLATE FOR LOCKS.

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This invention relates to striker plates for locks and more particularly to a device of this character, which is adjustable to insure proper contact between the latch bolt and the plate.

An important object of the invention is to provide a structure of this character, which may be readily reversed, so that the striker plate may be employed at either side of the door frame.

A further object of the invention is to provide a device of this character which may be readily and cheaply manufactured, durable and efficient in service and a general improvement in the art.

These and other objects I attain by the construction shown in the accompanying drawing, wherein for the purpose of illustration is shown a preferred embodiment of my invention and wherein:—

Figure 1 is a front elevation of a striker plate constructed in accordance with my invention;

Figure 2 is a detail sectional view, the dotted lines indicating an adjusted position of the stirrup;

Figure 3 is an edge elevation of the stirrup;

Figure 4 is an edge elevation of the striker plate with the stirrup removed;

Figure 5 is a front elevation of the striker plate with the stirrup removed.

Referring now more particularly to the drawing, the numeral 10 indicates a striker plate having a latch bolt opening 11 and a lock bolt opening or openings 12. The ends of the plate are provided with the usual openings 13 for the passage of securing elements, by means of which the plate may be secured to the door frame, these openings being of the usual character.

In accordance with my invention, I groove the plate 10, as at 14, in alignment with the edges of the latch bolt opening 11 and at opposite side faces thereof, so that the plate is reduced in thickness to approximately one-third its usual thickness. This thin portion of the plate preferably projects to one edge of the plate, as more clearly shown in Figure 5, and is provided with a transverse slot 15 extending from its outer edge inwardly to a point adjacent its inner edge. This slot is disposed at the center of the reduced portion.

I further provide a stirrup 16 corresponding in shaping to the striker tongues of or-

dinary striker plates at its outer edge and having a slot 17 of a width equal to the thickness of the reduced portion and of a depth slightly wider than this reduced portion. A screw 17 extends through one of the arms 18 thus produced and is threaded into the other of the arms, this screw being positioned to enter the slot 15 when the slot of the stirrup receives the reduced portion of the striker plate. This stirrup may be adjusted to a desired position and then clamped by tightening the screw 17, which will cause the arms 18 to firmly engage against opposite side faces of the reduced portion. It will be obvious that since the screw and slot are centrally arranged, the stirrup 16 may be reversed, so that it will be applicable to either side of the door.

Since the construction hereinbefore set forth is capable of a certain range of change and modification without in any manner departing from the spirit of the invention, I do not limit myself to such specific structure except as hereinafter claimed.

I claim:—

1. A striker plate having the usual latch bolt opening and having the material thereof cut-away at its opposite side faces in alignment with said opening to produce a reduced portion, said reduced portion having a slot and a stirrup having a slot to receive the reduced portion, said slot being of greater width than the reduced portion and means extending through the arms of the stirrup produced by the slot for clamping said arms upon the reduced portion.

2. A striker plate having the usual latch bolt opening and having the material thereof cut-away at its opposite side faces in alignment with said opening to produce a reduced portion, said reduced portion having a slot and a stirrup having a slot to receive the reduced portion, said slot being of greater width than the reduced portion, and means extending through the arms of the stirrup produced by the slot for clamping said arms upon the reduced portion, the slot of said reduced portion being disposed at the vertical center thereof and extending transversely of said center, said clamping means extending through the slot.

3. A striker plate having the usual latch bolt opening and having the material thereof cut-away at its opposite side faces in alignment with said opening to produce a reduced portion, a stirrup having a slot to

receive the reduced portion, said slot being of greater width than the reduced portion, and means for securing the stirrup to the reduced portion.

- 5 4. A striker plate having the usual latch bolt opening and having the material thereof cut-away at its opposite side faces in alignment with said opening to produce a reduced portion, a stirrup having a slot to
10 receive the reduced portion, said slot being of greater width than the reduced portion, and means for securing the stirrup to the reduced portion and permitting reversal of the stirrup with respect to the striker plate.

5. A striker plate having the usual latch 15 bolt opening and having the material thereof cut-away at its opposite side faces in alignment with said opening to produce a reduced portion, said reduced portion having a slot and a stirrup having a slot to receive the 20 reduced portion, said slot dividing the stirrup to form a pair of arms and means extending through the arms of the stirrup produced by the slot for clamping said arms upon the reduced portion. 25

In testimony whereof I hereunto affix my signature.

JESS EARL HALFERTY.