June 11, 1946. W. G. BERRY, JR 2,401,854

STRIKE PLATE

Filed Nov. 22, 1943

Fig. 1.

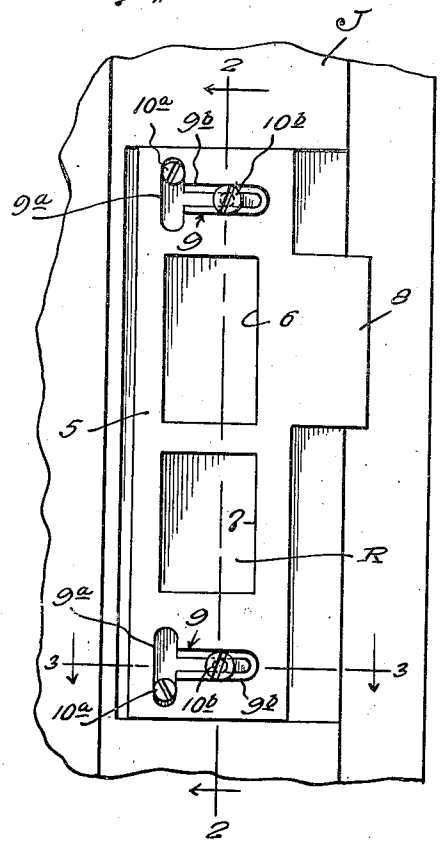


Fig. 2.

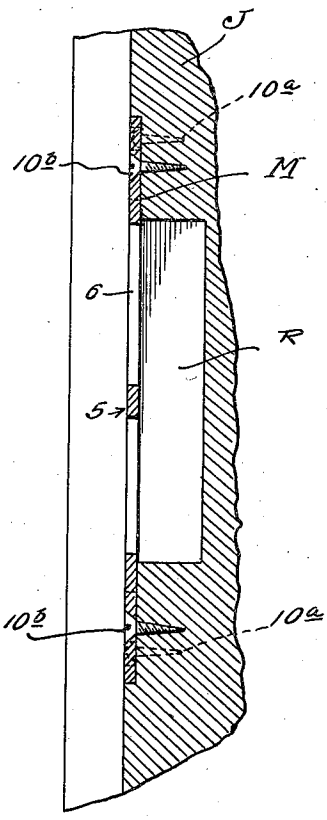
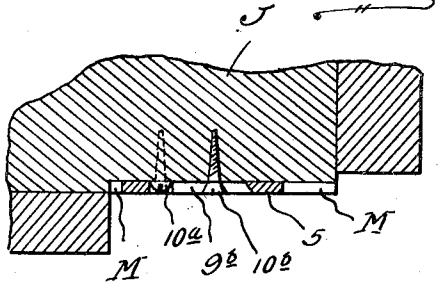


Fig. 3.



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STRIKE PLATE

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Application November 22, 1943, Serial No. 511,323

1 Claim. (Cl. 292—340)

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This invention relates to strike or keeper plates for door locks, and the primary object of the invention is to provide means for rendering the plate adjustable horizontally without detaching the same from the door jamb.

A more specific object of the invention is to provide a device of this character which is extremely simple and durable in construction, reliable and efficient in operation, and capable of being manufactured and sold at a minimum cost.

The invention consists in the particular construction hereinafter fully described shown in the accompanying drawing, and claimed.

In the drawing:

Figure 1 is a fragmentary elevational view of the present strike plate in position on the door jamb.

Figure 2 is a vertical section on line 2—2 of Figure 1; and

Figure 3 is a horizontal section on line 3—3 of Figure 1.

Referring in detail to the drawing, the present strike plate consists of a single plate member 5 provided with vertically spaced rectangular openings 6 and 7 for reception of the latch and lock bolts, respectively of the lock, there being the usual tongue 8 extending from the body of the plate opposite the latch bolt receiving opening 6. The strike plate is adapted to be secured in the usual mortise M of the door jamb J so as to overlie the usual latch and lock bolt receiving recess R of said jamb.

In accordance with the present invention, the strike plate 5 is provided adjacent to both its top and its bottom with a T shaped slot 9 each of which includes a vertical portion 9*a* and a horizontal portion 9*b* extending horizontally from the vertical portions 9*a* intermediate the ends of the latter. Screws 10*a* and 10*b* are respectively passed through the slot portions 9*a* and 9*b* and threaded into the door jamb so as to secure the strike plate in place. The strike plate may be adjusted horizontally by loosening screws 10*b* and removing screws 10*a*, after which the adjustment may be secured by tightening the screws 10*b* and re-inserting and tightening the screws 10*a*. On the other hand, the strike plate may be adjusted

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vertically by loosening the screws 10*a*, removing the screws 10*b*, making the desired adjustment and then re-inserting the screws 10*b* and tightening the latter as well as the screws 10*a*. One pair of screws is merely loosened so as to retain the plate on the jamb while adjusting the plate and subsequently securing the adjustment. Thus, ready adjustment of the plate may be had to enable entry of the latch and lock bolts in apertures 6 and 7 so that the door will close tightly.

An important and distinctive feature of the invention is that the slot portions 9*a* and 9*b* are at least twice as long as they are wide so that whenever the pair of screws which block adjustment of the plate in either a vertical or a horizontal direction are removed, they may be replaced at points sufficiently remote from their former locations to insure against the same breaking into the holes in the door frame which they formerly occupied.

What I claim is:

A door lock strike-plate to be secured to a door frame over a lock bolt receiving recess in the latter, said strike plate having therein intermediate its ends a lock bolt receiving opening, said strike plate further having therein adjacent each of its ends a screw-accommodating horizontal slot and a screw accommodating vertical slot in communication at one side thereof and intermediate its ends with one end of said horizontal slot, the length of each vertical slot and of each horizontal slot being at least twice its width whereby, when said plate is secured to said frame by two pairs of screws with the screws of each pair extending, respectively, through the horizontal slot and the vertical slot at the respective ends of said plate, said plate may be adjusted in either a vertical or a transverse direction by removing the screw in each slot blocking adjustment of said plate in that direction and reanchoring said plate in its adjusted position by replacing the removed screws at points sufficiently remote from their former positions to insure against their breaking into the holes in the door frame which they formerly occupied.

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