C. W. HOVIS.

DOOR LOCKING MEANS.

APPLICATION FILED AUG. 12, 1919.

1,350,226. Patented Aug. 17, 1920.

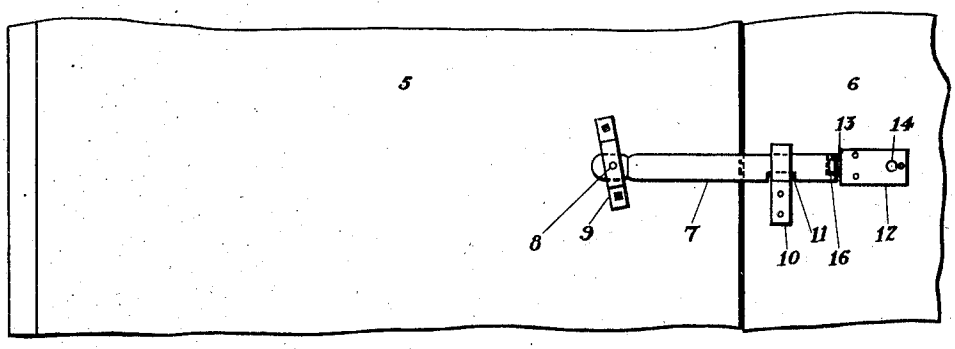


Fig. 1.

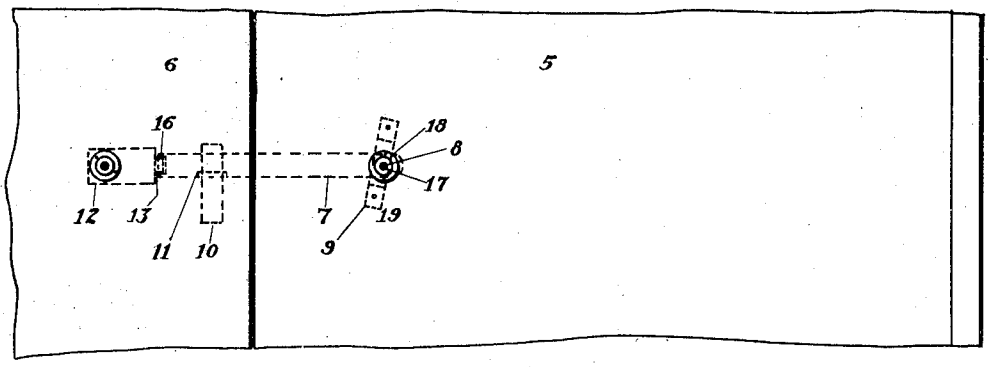


Fig. 2.

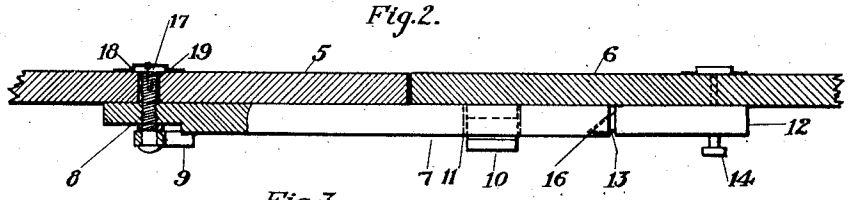


Fig. 3.

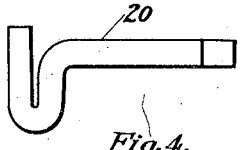


Fig. 4.

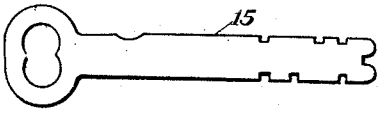


Fig. 5.

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DOOR-LOCKING MEANS.

1,350,226. Specification of Letters Patent. Patented Aug. 17, 1920.

Application filed August 12, 1919. Serial No. 317,045.

To all whom it may concern:

Be it known that I, CHARLES W. HOVIS, a citizen of the United States, residing at Clintonville, in the county of Venango and State of Pennsylvania, have invented new and useful Improvements in Door-Locking Means, of which the following is a specification.

This invention relates to devices for securing doors in closed position, and more particularly to devices of this kind consisting of a pivoted latch bar on the inside of the door which is adapted to be swung to extend across the edge of the door when it is closed.

The invention has for its object to provide a novel and improved means for locking the latch bar, and also a means whereby said latch bar may be operated from the outside of the door.

With the object stated in view, the invention consists in a combination and arrangement of parts to be hereinafter described and claimed, and in order that the same may be better understood, reference is had to the accompanying drawing forming a part of this specification.

In the drawing,

Figure 1 is an elevation of the device viewed from the inside of the door;

Fig. 2 is an elevation viewed from the outside;

Fig. 3 is an edge view, partly in section, and

Figs. 4 and 5 are plan views of keys used in connection with the device.

Referring specifically to the drawing, 5 and 6 denote a pair of swinging doors hinged to a door frame in any suitable manner. On the inner face of the door 5 is pivoted a latch bar 7 adapted to be swung over to the door 6 to extend across both doors when they are closed. The latch bar 7 is pivoted, as shown at 8 to a bracket member 9 fastened to the door 5, and on the door 6 is a keeper hook 10 under which the latch bar is adapted to seat. The latch bar has an edge notch 11 in which the outstanding part of the keeper hook seats.

On the inner face of the door 6 is mounted a night latch of conventional construction, consisting of a housing 12 from one end of which is adapted to be projected a bolt 13. This bolt is operated from the inside of the door by a knob 14, and from the outside by a key 15 as usual.

In the free end of the latch bar 7 is a keeper recess 16 to receive the bolt 13 when the latter is projected, and the latch bar is swung across the doors to seat under the keeper hook 10, whereby the latch bar is securely locked in holding position.

The latch bar 7 is fast on the pivot 8, and the latter is supported by the bracket member 9 and also extends into a hole 17 in the door 5. On the outside of the door 5, an escutcheon plate 18 is mounted over the hole. The end of the pivot 8 extending into the hole 17 has a notch 19 engageable by a key 20 to turn said pivot and thus swing the latch bar.

It will be seen from the foregoing that the latch bar 7 can be swung across the doors 5 and 6 and locked, from the outside of the doors. The latch bar is swung by the key 20, the latch bolt 13 being held retracted, and when the latch bar comes under the keeper hook 10, the latch bolt is released to enter the keeper recess 16. The latch bar is now locked, and it cannot be swung clear of the door 6 until the latch bolt is withdrawn. The doors are therefore securely locked together so that they cannot be pried apart.

The invention is also applicable to single doors, the latch bar then being attached to the door frame.

I claim:

A lock for doors, comprising a latch bar positioned to be swung across the edge of the door, and having a keeper recess in its free end, a pivotal support for the latch bar, said support being key-operated, and a latch bolt opposite the free end of the latch bar when the latter is in locking position, said bolt being adapted to enter the keeper recess of the latch bar for locking the same.

In testimony whereof I affix my signature.

CHARLES W. HOVIS.