Dec. 23, 1930. R. M. HALLAM ET AL 1,785,772

HASP

Filed April 30, 1927

Fig. 1

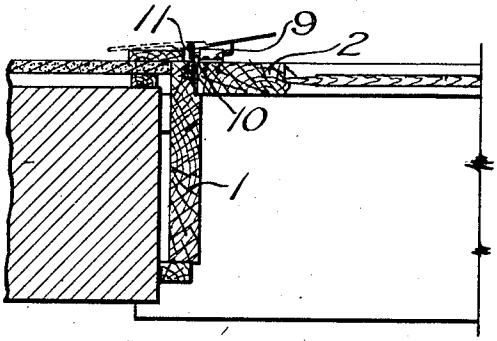


Fig. 3

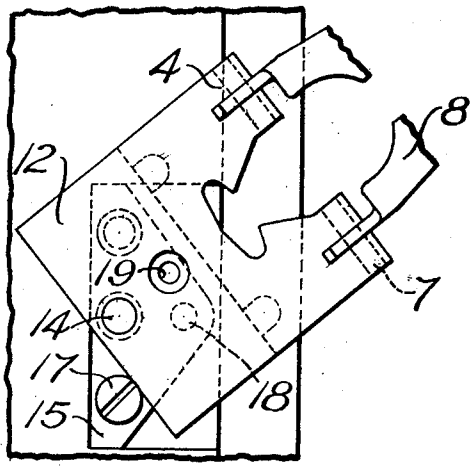


Fig. 2

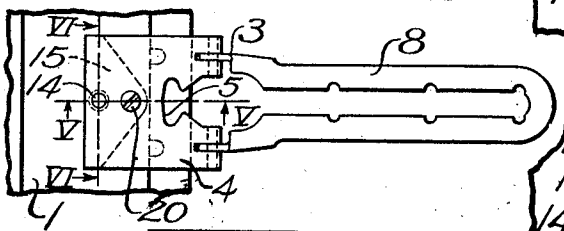


Fig. 4

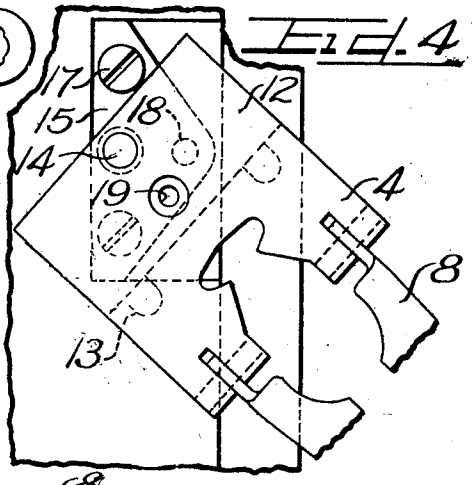


Fig. 5

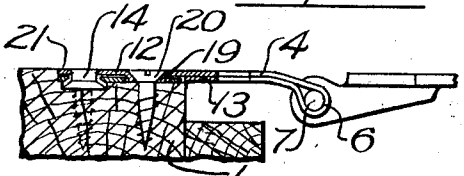


Fig. 6

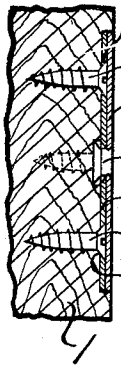
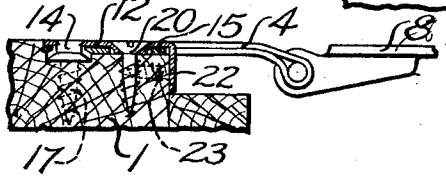


Fig. 7



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Patented Dec. 23, 1930 1,785,772

UNITED STATES PATENT OFFICE

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HASP

Application filed April 30, 1927. Serial No. 187,726.

This invention relates to improvements in safety devices for doors and the like, and more particularly to a safety hasp having concealed means for securing the same to a door jamb or the like, whereby the lock is rendered substantially burglar-proof and more so than previously known devices of this character.

Devices of this character have usually been used as a means permitting a door to be opened slightly, but preventing the same from being further opened sufficiently to permit unwarranted entries into homes or buildings to which the device is secured. Devices of this type heretofore known have usually been affixed to a door and door-jamb by screws, which screws were left in an exposed position accessible to an unauthorized entrant, and it has been a simple expedient to effect an entrance with the employment of a screw driver or the like to remove a portion of the safety device.

With these objections in view, it is accordingly an object of this invention to provide a safety hasp of the class described having concealed securing means accessible only when the device is not in use.

Another object of this invention is to provide a safety securing device for a door or the like having concealed securing means therefor, which means do not interfere with ease and proficiency in mounting the device.

A further object of the present invention is to provide a novel method of mounting a device of the class described whereby the securing means for the device will be rendered inaccessible when the device is in use.

A still further object of this invention is to provide a door hasp or the like, the securing means for which have a movable relation to the hasp prior to the mounting of the same, and a fixed relation to the hasp after the same is mounted.

Other and further important objects of this invention will be apparent from the disclosures in the specification and accompanying drawings.

This invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

On the drawings:

Figure 1 is a plan sectional view showing a device embodying the principles of this invention, secured to a door and door-jamb.

Figure 2 is a fragmentary view in elevation of a portion of the device disclosed in Figure 1.

Figure 3 is a fragmentary elevational view of the device shown in Figure 2 illustrating the operation of the same.

Figure 4 is a view similar to Figure 3.

Figure 5 is a fragmentary horizontal sectional view taken substantially along line V—V of Figure 2.

Figure 6 is a fragmentary vertical sectional view taken substantially along line VI—VI of Figure 2.

Figure 7 is a fragmentary horizontal sectional view, similar to Figure 5, showing a modification of the present invention.

As shown in the drawings:

In the illustrated embodiment of this invention there is shown a door-jamb 1 which is abutted by door 2. Secured to the door-jamb 1 is a hinged hasp 3 comprising a base plate 4, recessed as shown at 5, and folded back upon itself to provide a loop 6 to retain a pivot pin 7, and a slotted extended portion 8 pivotally mounted on the pivot pin 7. Secured to the door 2 is a casing 9 having a bolt or rod 10 fixedly mounted therein and extending therethrough, upon which extended portion is an enlarged head 11.

When the door 2 is closed as shown in Figure 1, the head 11 and the rod 10 are engaged in the recess 5 with the hasp 3, and when the portion 8 of the hasp 3 is pivoted adjacent the casing 9 the rod 10 with its enlarged head 11 will engage in the slot of the portion 8.

One of the novel features of the present invention is the means for mounting the base plate 4 upon a door-jamb 1 or the like. The upper portion of the base plate 4 extends rearwardly as at 12 beyond the lower portion 13 of the base plate, and pivotally secured by the rivet 14 to the under side or inner face of the portion 12 is an irregularly shaped plate 15. The bottom plate 15 is apertured as at 16 to accommodate the hidden screws 17 and is also provided with an aper-

ture 18 therein which is in alignment with an aperture 19 in the portion 12 of the base plate 4 when this portion 12 is positioned so as to totally obscure or conceal the bottom plate 15. Through the aligned apertures 18 and 19 a screw 20 is placed. It is to be noted that the rivet 14 is made slightly longer than necessary to allow sufficient play for the base plate 4 to pivot with respect to the bottom plate 15 when the latter has been secured in the mortised portion 21 of the door-jamb 1.

The device hereinabove described permits an easy and novel mounting or installing of the same. To install the hinged hasp 3 a door-jamb or similar member is mortised as at 21 and the bottom plate 15 is placed in the mortised portion, the base plate 4 pivoted with respect to the bottom plate so as to expose one of the apertures 16 as shown in Figure 3 after which the screw 17 is positioned. Then the base plate 4 is pivoted in the opposite direction to expose the other of the apertures 16, and the second screw 17 is positioned as shown in Figure 4. It is to be noted that at this point in the installation of the device, the entire hinged hasp 3 is securely affixed to the door-jamb 1 by the securement thereto of the bottom plate 15. The base plate 4 is then pivoted until the apertures 18 and 19 are in alignment, and the screw 20 is positioned through both the portion 12 of the base plate 4 and the bottom plate 15. Simultaneously with the tightening of the screw 20 the base plate portion 12 will be pressed into the mortised portion 21 of the jamb 1 so as to be flush therewith, and a clean and smooth exterior will be presented as shown in Figures 5 and 6. When the device is mounted as just previously stated, the bottom plate 15 together with the screws 17 will be totally concealed by the portion 12 of the base plate 4, and will be inaccessible unless the screw 20 is entirely removed to permit the base plate 4 to pivot upon the bottom plate 15.

However, when the slotted portion 8 of the hasp 3 is engaged by the bolt or rod 10 the base plate 4 is effectively prevented from any pivotal movement even though the screw 20 is removed, and the screws 17 through the bottom plate 15 will be inaccessible until the bolt 10 is disengaged from the member 8. Obviously therefore, when a door is secured by the safety lock hereinabove described, due to the novel and inacessible securing means of the hasp 3, an unauthorized person could not gain entrance by removing a portion of the lock, but could only do so by totally destroying a portion of the safety lock, which operation could only be accomplished with great difficulty.

The form of this invention disclosed in Figure 7 differs from the forms disclosed in Figures 1 to 6 inclusive, only by the addition of a short flange 22 integral with the top portion of the base plate 4, and bent substantially at right angles thereto to extend over the inner side of the door-jamb 1, in which position it is secured to the jamb by a screw 23. To provide the flange 22 the top portion 12 of the base plate 4 is merely slit, when the recess 5 is provided therein, and the flanged portion is retained thereon, which portion is then bent as shown in Figure 7, instead of entirely punching out a portion of the base plate 4 to provide the recess 5 as in the previously described form of this invention. Obviously, this flange secured upon the inner side of the jamb 1, acts as an added safeguard, due to its inaccessible position, against the unauthorized removal of the hinged hasp 3.

Obviously, of course, the improved mounting means provided on the hasp disclosed in the present invention may be used upon hinges or the like without departing from the spirit of this invention.

From the foregoing it is apparent that we have provided a safety device for doors and the like, possessing obvious advantages over previously known devices of this character, which advantages render the present invention substantially burglar-proof. Moreover, the device hereinabove described is composed of few and simple parts, the majority of which may be formed by a simple stamping operation, is easily assembled and may be very economically manufactured.

We are aware that many changes may be made, and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and we therefore do not purpose limiting the patent granted hereon, otherwise than necessitated by the prior art.

We claim as our invention:

1. In a device of the character described, a hasp comprising a base plate, a securing plate having screw holes therein and pivoted to the inner face of said base plate, said base plate having an aperture therein, said aperture being in alignment with one of said screw holes for permitting securing means to project therethrough into a support to enable both of said plates to be firmly secured to the support when said base plate conceals said securing plate.

2. In a device of the character described, a hasp including a base plate, an irregularly shaped securing plate adjacent to the underside of said base plate and pivoted thereto, said securing plate having a plurality of apertures therethrough to accommodate securing means, said apertures being disposed in such a manner to be normally concealed by said base plate and the securing means, and said base plate having an aperture therein which is in alignment with one of the apertures in said securing plate when said base plate effectively conceals said securing plate so that securing means may be passed through both of said aligned apertures.

3. In a device of the character described, a hasp including a securing plate arranged to be mortised into and secured to a support, a base plate arranged to be normally positioned over and pivoted to said securing plate for effectively concealing said latter plate, said plate having apertures in alignment to permit the insertion therethrough of securing means for firmly clamping said plates to a support.

In testimony whereof, we have hereunto subscribed our names.

WALTER E. AMBERG.
RALPH M. HALLAM.