Feb. 13, 1923. 1,445,157.

G. W. NOLLER.

HASP AND STAPLE.

FILED APR. 15, 1921.

Fig. 1

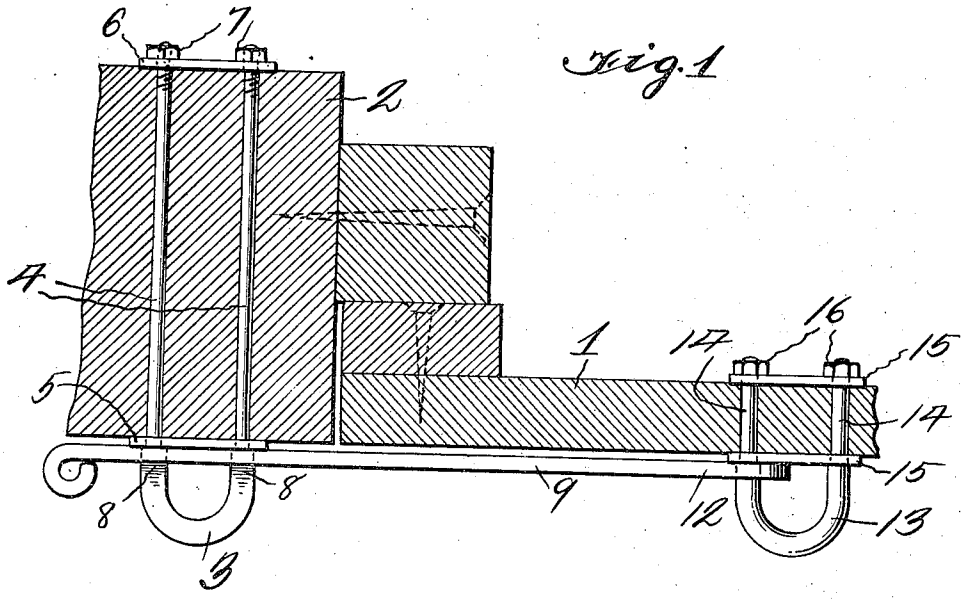


Fig. 2.

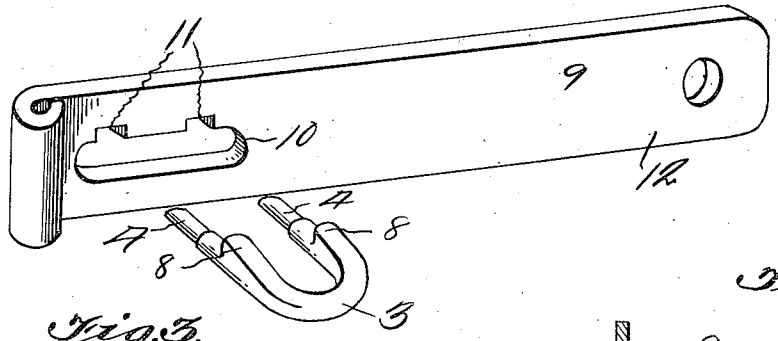


Fig. 3.

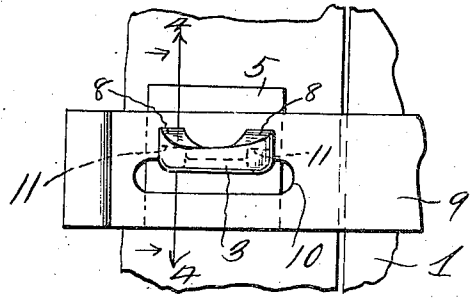
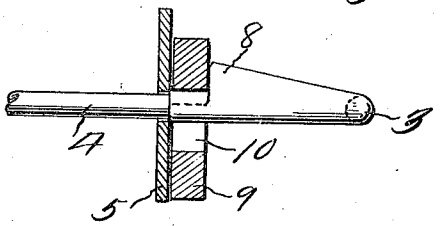


Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE W. NOLLER, OF THREE OAKS, MICHIGAN.

HASP AND STAPLE.

Application filed April 15, 1921. Serial No. 461,490.

To all whom it may concern:

Be it known that I, GEORGE W. NOLLER, a citizen of the United States, residing at Three Oaks, in the county of Berrien, State of Michigan, have invented a new and useful Hasp and Staple; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to hasps and staples and has for its object to provide a device of this character wherein the staples extend entirely through the door and door jamb and are provided with nuts and plates, which nuts and plates prevent the staples from being pulled from the door jamb and the door as is the case when the staples are the conventional form and are simply driven into the door jamb or door.

A further object is to provide the staple with upwardly extending shoulders, which shoulders when the hasp is placed on the staple engage the outer face of the hasp and prevent the hasp from coming off of the staple, thereby providing a temporary locking means for the door.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawings, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:—

Figure 1 is a horizontal sectional view through a portion of a door frame and the free edge of a door showing the improved hasp and staple applied thereto.

Figure 2 is a perspective view of the hasp showing a portion of the staple.

Figure 3 is a front elevation of the staple and a portion of the hasp, showing the hasp in position on the staple.

Figure 4 is a detail sectional view taken on line 4—4 of Figure 3.

Referring to the drawings, the numeral 1 designates a door and 2 a portion of a door frame, which door frame carries a U-shaped staple 3. The U-shaped staple 3 is provided with reduced arms 4 which extend through the frame and through plates 5 and 6 and are provided with nuts 7, which nuts hold the arms 4, and in connection with the plates 6 and 7 prevent the staple 3 from being pulled from the door frame by the insertion of a prying tool within the outer end of the staple. The staple 3 adjacent its outer end is provided with upwardly extending shoulders 8, which shoulders when the hasp 9 is placed on the staple 3 and the staple passed through the elongated opening 10 in the hasp pass through notches 11 and engage the outer face of the hasp 9 as clearly shown in Figure 4. When the hasp 9 is so held, it will be seen that the hasp will be temporarily held in such a manner that the door will be prevented from swinging open as is common in cases where a conventional form of staple and hasp is used, at which time it is necessary to insert either the bail of the lock through the hasp or a pin of some kind. When the operator desires to open the door, it will only be necessary to raise the free end of the hasp 9 slightly thereby allowing the lugs 8 to clear the hasp as it is moved outwardly at its free end. However, when it is desired to permanently lock the door the bail of a conventional form of lock may be passed through the staple.

The end 12 of the hasp is pivotally connected to a U-shaped staple 13 which has its arms 14 reduced in diameter and passed through plates 15 which engage the outer and inner faces of the door 1, thereby reinforcing the parts and preventing the staple 13 from being pulled after the nuts 16 have been tightened.

The invention having been set forth what is claimed as new and useful is:—

The combination with a hasp and a staple, said hasp having an aperture for the reception of the staple, upwardly extending lugs carried by the staple, upwardly extending recesses in the hasp and in communication with the aperture therein and adapted to receive the upwardly extending lugs, said lugs forming means for engaging the outer

face of the hasp after the hasp has been passed onto the staple, thereby preventing displacement of the hasp, the arms of the staple at points spaced from the lugs slightly greater than the width of the hasp being reduced, thereby forming shoulders adapted to engage a support and prevent binding of the hasp.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE W. NOLLER.

Witnesses:
MORRIS G. MCGAWN,
MARY EDINGER.