June 12, 1928. 1,673,329

R. R. HART

HASP LOCK

Filed Aug. 31, 1926

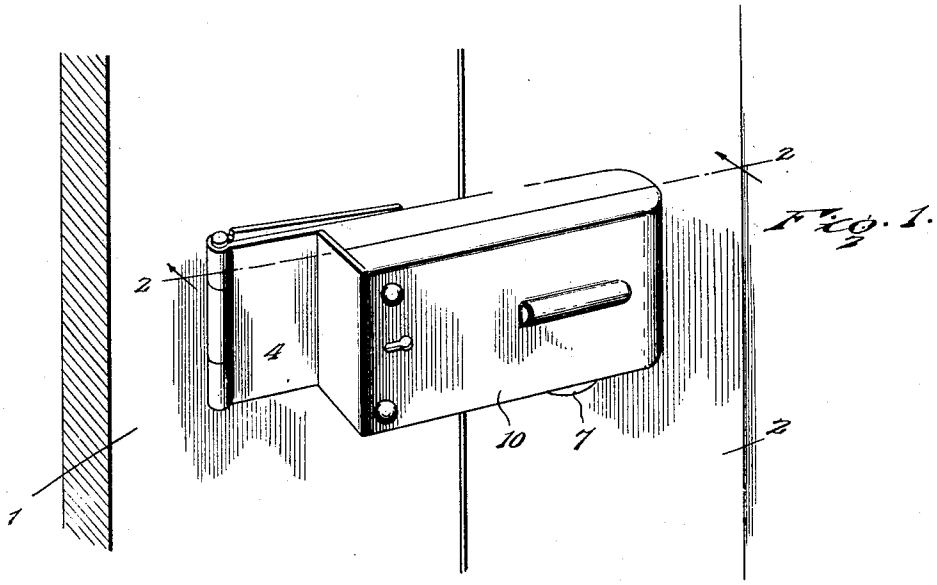


Fig. 1.

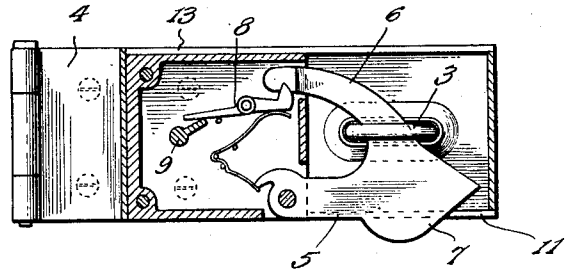


Fig. 2.

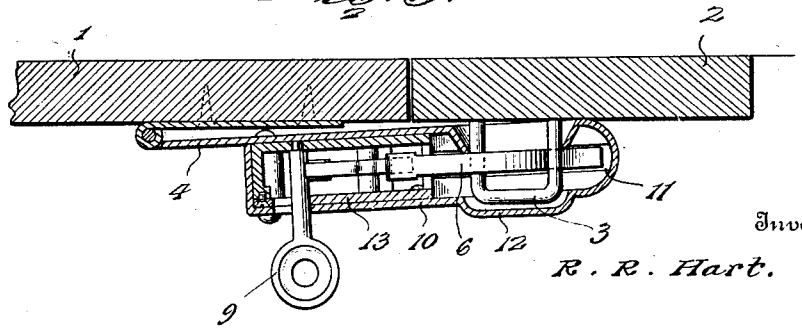


Fig. 3.

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UNITED STATES PATENT OFFICE.

ROY R. HART, OF STOCKTON, CALIFORNIA.

HASP LOCK.

Application filed August 31, 1926. Serial No. 132,783.

This invention relates to the type of lock mechanism including a hasp and staple and obviates the use of the usual separate pad lock.

The invention contemplates a lock mechanism mounted upon the hasp and completely enclosed and protected by a housing which is extended to cover the staple and shackle, thereby preventing tampering with the lock and protecting all parts from the weather.

The invention provides a hasp lock which may be applied by the average person, and which comprises a few number of parts, and which is simple, cheap, effective, light and readily operable.

While the drawings illustrate a preferred embodiment of the invention, it is to be understood that in adapting the means to meet specific needs and requirements, the design may be varied and such other changes in the minor details of construction may be resorted to within the scope of the invention as claimed, without departing from the spirit thereof.

For a full understanding of the invention and the merits thereof, reference is to be had to the following description and the drawings hereto attached, in which,—

Figure 1 is a perspective view of a hasp lock embodying the invention, showing the same applied.

Figure 2 is a detail sectional view of the lock on the line 2—2 of Figure 1, and

Figure 3 is a horizontal sectional view of the parts illustrated in Figure 1, with the key in position.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The numeral 1 designates a door or like part, and 2 the frame or like part bordering upon the openings to which the door 1 is fitted. The staple 3 may be of any approved construction and applied to one of the parts, as preferred, in the usual way. The hasp 4 is pivotally attached to the other part, and is formed with the usual slot for the reception of the staple 3. A shackle is pivoted to the hasp 4 and comprises a shank 5, curved arm 6, and finger piece 7. The arm 6 is notched adjacent its end to receive an extension of a pivoted lock member 8 which is spring actuated to operate automatically, and which is released by means of a key 9.

A housing 10 completely encloses the staple, shackle and lock mechanism, with the exception of a projecting portion of the finger piece 7 of the shackle. The housing 10 preferably forms a part of the hasp 4 and is formed with a slot 11, at its lower side for the shackle when swung outward to clear the staple 3. It will thus be understood that the lock mechanism, shackle and staple are completely enclosed and protected. By having the slot 11 in the lower side of the housing moisture is prevented from entering the lock and causing the parts to rust. A portion of the front of the housing 10 opposite the staple 3 is pressed outwardly, as indicated at 12, to clear the end of the staple, and admit of the housing being of a minimum depth. In some instances it may be preferred to enclose the lock mechanism in a casing 13 and have the shackle pivoted to said casing, and when the parts are assembled said casing is disposed within the housing 10. This arrangement admits of the hasp 4 and housing 10 being formed of light material, such as sheet steel from which the hasp and housing may be struck.

The invention results in the provision of a hasp lock which is neat in appearance, light, durable, effective and capable of being manipulated by one hand, and which obviates the use of a separate and independent lock mechanism, such as a pad lock.

Having thus described the invention, I claim:

A lock device of the character specified, comprising a hasp having a slot for the reception of a co-operating staple, and having the marginal portion bordering upon the slot pressed outwardly, a shackle comprising a straight shank pivoted at one end to the hasp and provided at its opposite end with a finger piece and a curved arm projecting from the swinging end of the shank and adapted to engage the staple, lock means adapted to engage the curved arm of the shackle, and a housing carried by the hasp and adapted to completely enclose the lock mechanism, shackle and staple, and having a slot in its lower side for the projection of the finger piece and for the shackle to swing through, and having a portion opposite the staple pressed outwardly to receive the end of the staple.

In testimony whereof I affix my signature.

ROY R. HART. [L. S.]