

A. J. FRENCH.
 HASP LOCK.
 APPLICATION FILED MAY 14, 1909.

941,511.

Patented Nov. 30, 1909.
 2 SHEETS—SHEET 1.

FIG. 1.

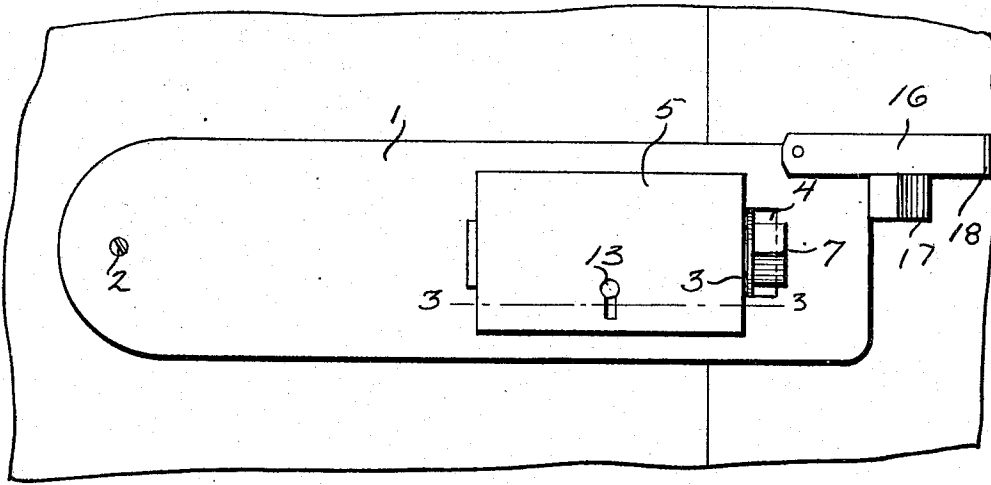
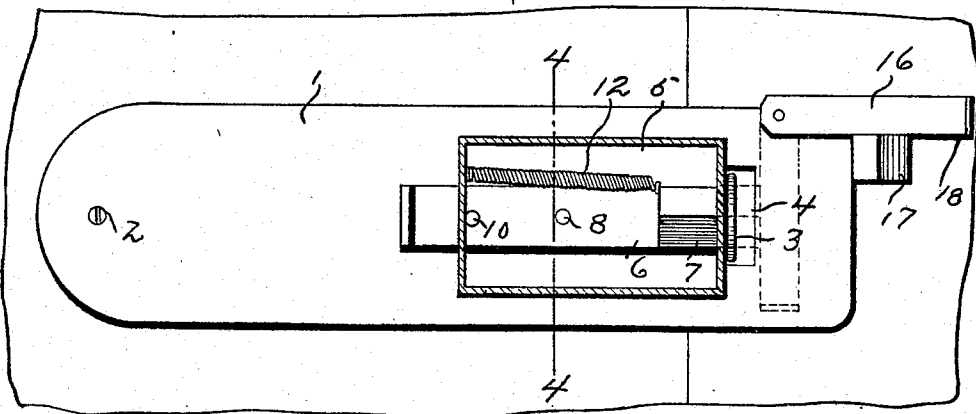


FIG. 2.



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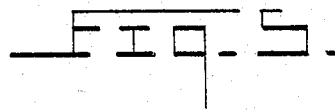
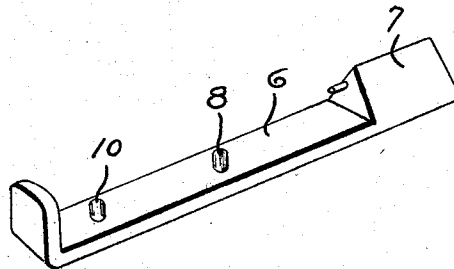
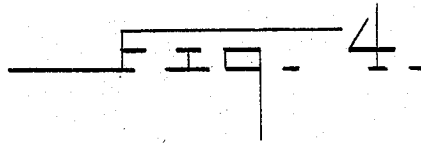
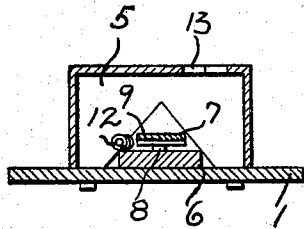
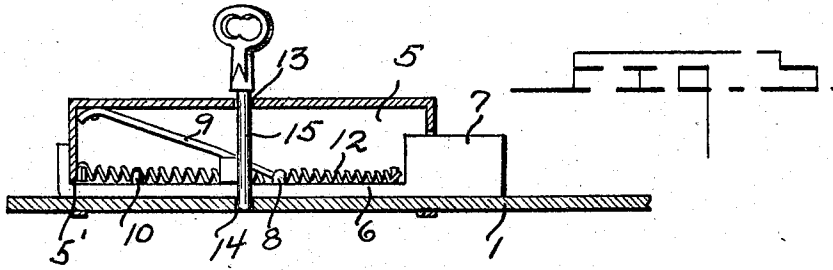
By Woodward & Chandler

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UNITED STATES PATENT OFFICE.

ASA J. FRENCH, OF HURON, SOUTH DAKOTA.

HASP-LOCK.

941,511.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ASA J. FRENCH, a citizen of the United States, residing at Huron, in the county of Beadle and State of South Dakota, have invented certain new and useful Improvements in Hasp-Locks, of which the following is a specification.

This invention relates to new and useful improvements in hasp locks, and has for its object to provide a simple device of this character wherein a hasp may be temporarily secured upon a staple carried by a door, gate or other swinging structure by means of a pivoted catch bar or may be securely locked thereon by means of a reciprocating locking bolt, operable by a suitable key.

Another object is to provide a hasp lock wherein the hasp has secured thereon the lock casing in which is mounted a locking bolt, and suitable means whereby said bolt may be held in locked engagement with the staple carried by the door.

A further object is to provide a simple and inexpensive device of this character, wherein the hasp may be very quickly locked or unlocked in position, and which will be securely held in such locked position at all times against removal by unauthorized persons.

With these and other objects in view, the present invention consists in the combination and arrangement of parts as will be hereinafter more fully described and particularly pointed out in the appended claims, it being understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of my improved hasp lock, showing the lock bolt in engagement with a staple carried by the door, Fig. 2 is a similar view the lock casing being shown in section, and the bolt retracted, Fig. 3 is a section taken on the line 3—3 of Fig. 1, the key being shown in position therein, Fig. 4 is a sectional view taken on the line 4—4 of Fig. 2, Fig. 5 is a detail perspective view of the locking bolt.

Referring to the drawings, 1 indicates the hasp shank which is preferably in the form of a flat metal bar, hinged to a door frame or other stationary object as at 2. Suitably

secured to the edge of the door is a staple 3 which is adapted to protrude through the opening 4 in the end of the hasp when the same is in position. The lock casing 5 is secured upon the bar 1 adjacent to the opening 4, and has disposed therein the locking bolt 6. This locking bolt is in the form of a rectangular bar, and has one of its ends provided with the triangular enlargement 7, suitably formed integral therewith and adapted to extend through the forward end of the lock casing. The rear end of the bar 6 also extends beyond the casing 5 and has its extremity upwardly turned to provide a finger piece by means of which the bar may be manipulated. The bar 6 is also provided with a vertical lug 8 which projects upwardly therefrom and engages with the end of a leaf spring 9 when in locked position. The other extremity of this spring is suitably secured to the top of the lock casing.

A lug 10 is provided upon the locking bolt 6 and is adapted to limit the rearward movement thereof. A recess 5' is of course provided in the lower edge of the rear end of the lock casing, to allow of the free movement of the locking bolt therethrough. A retractile spring 12 has one of its ends secured to the enlargement 7 of the locking bolt, the other end thereof being secured to the rear of the casing 5. This spring is adapted to normally retain the bolt 6 in its retracted or unlocked position. A key hole 13 is provided in the lock casing and an opening 14 is formed in the hasp shank directly opposite the same, and is adapted to receive the end of a suitable key 15 which is inserted within the casing when it is desired to unlock the hasp from engagement with the staple 3.

At times it is desirable that the hasp should be only temporarily secured upon the staple, and to this end I have provided a pivoted latch bar 16, provided with an enlargement 17 upon one edge thereof and a finger piece 18 at its outer end. Thus it will be seen that it is only necessary to swing the bar 16 downward and force the enlarged portion 17 through the staple 3 to secure the shank 1 upon the same. The latch bar 16 is held in its elevated or horizontal position by the frictional contact between the bar and the hasp shank. But when it is desired to securely lock the hasp shank upon the staple, the locking bolt 6 is forced outward from the casing 5, to its full

extent, when the enlarged end 7 thereof will be positioned in the staple 3, and the end of the leaf spring 9 will be in engagement with the lug 8 formed upon the lock bolt.

- 5 Thus any attempt to retract the lock bolt by pulling upon the rear end thereof will be defeated. To unlock the hasp the key must be inserted through the key hole provided in the casing until the rear end thereof is dis-
 10 posed in the opening 14 in the hasp shank 1. The key 15 is turned until the angularly extending portion thereof engages between the lock bolt 6 and the leaf spring 8. Upon the continued turning movement of the key, the
 15 same will force the leaf spring upward and disengage the same from the lug 9 formed upon the locking bolt. The retractile spring 12 will retract the locking bolt from its position in the staple 3, until the en-
 20 larged end thereof is almost entirely drawn into the lock casing 5. The hasp shank may now be swung outward and the door or gate opened.

- From the foregoing it will be seen that I
 25 have provided a hasp lock which may be either temporarily or permanently locked upon the staple carried by the door. The mechanism for operating the locking bolt is extremely simple, and can be easily and in-
 30 expensively manufactured and assembled. In these respects my invention differs materially from prior devices of this character.

What is claimed is:

1. A hasp lock comprising a shank having
 35 an opening in one end thereof adapted to receive a staple, a lock casing secured upon said shank adjacent to said opening, a locking bolt mounted in said casing and extending from either end thereof, one end of said

bolt being upwardly turned and the other
 end thereof being provided with an enlarge- 40
 ment adapted to be received in said staple, lugs integrally formed with said bolt, one of said lugs being adapted to engage with
 said casing to limit the rearward movement 45
 of said bolt, a spring secured to the top of said casing and adapted to engage with the other of said lugs to retain said bolt in its locked position, and a key adapted to release
 said spring from engagement with said lug. 50

2. A hasp lock comprising a flat shank having an opening on one end thereof adapted to receive a staple, a lock casing secured upon said shank adjacent to said opening, a locking bolt mounted in said casing and 55
 projecting from either end thereof, an enlargement formed upon one end of said bolt, means upon the other end of said bolt for forcing the enlarged end thereof into en-
 gagement with said staple, lugs formed on 60
 said locking bolt, one of said lugs being adapted to limit the rearward movement of the same, a leaf spring secured to the top of
 said casing and adapted to engage with the 65
 other of said lugs to retain the same in its locked position, a key opening in said casing, an opening in said shank in alinement with said key opening, a retractile spring se-
 cured to said locking bolt and to said casing and adapted to retract the same when said 70
 leaf spring is removed from contact with said lug.

In testimony whereof I affix my signature, in presence of two witnesses.

ASA J. FRENCH.

Witnesses:

E. H. VANCE,
 R. B. HILL.