

A. B. SMITH.
Hasp-Locks.

No. 139,430.

Patented May 27, 1873.

Fig. 1.

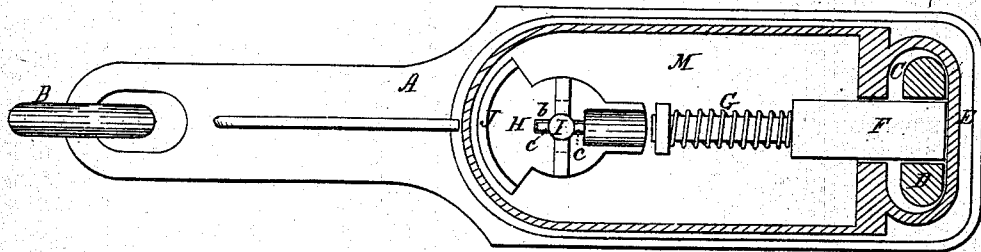


Fig. 2.

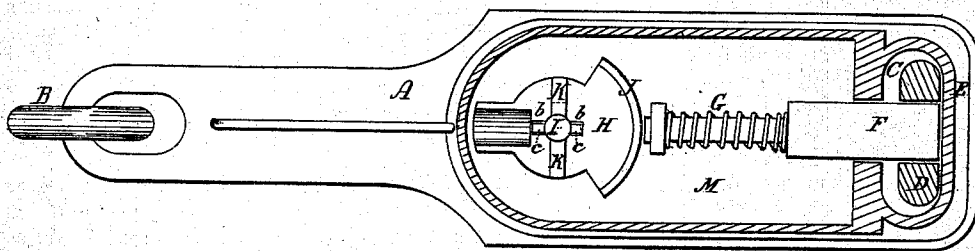
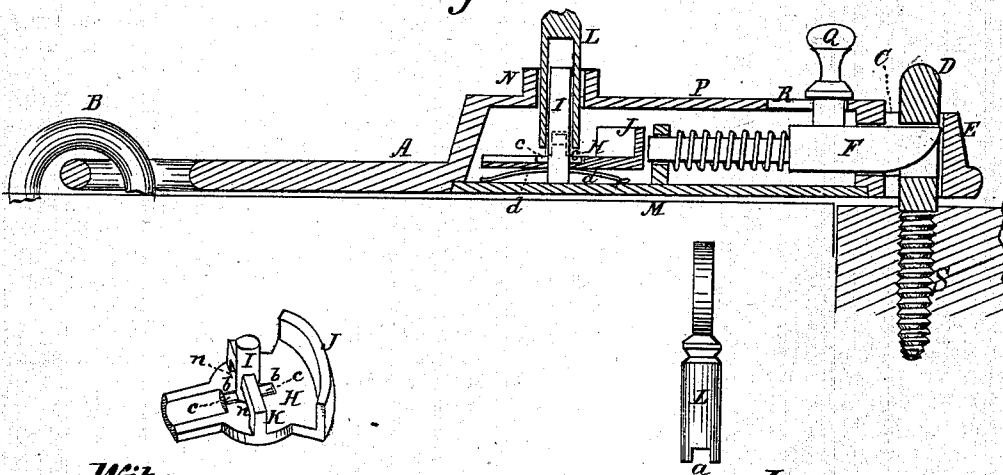


Fig. 3.



Witnesses:

Wm Wagner,
A. H. Shyman

Inventor:

Alfred B. Smith.

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UNITED STATES PATENT OFFICE.

ALFRED B. SMITH, OF MEMPHIS, MICHIGAN.

IMPROVEMENT IN HASP-LOCKS.

Specification forming part of Letters Patent No. **139,430**, dated May 27, 1873; application filed April 11, 1873.

To all whom it may concern:

Be it known that I, ALFRED B. SMITH, of Memphis, in the county of Macomb and State of Michigan, have invented a new and useful Improvement in Hasp-Locks, of which the following is a specification:

My invention relates to locks for hasps, in which a sliding bolt is used to lock the hasp with the staple; and the object of my invention is to effect the locking of the bolt, when the hasp is closed, by the combination, with a notched turning-plate, of fixed holding-studs on the key-post, the said plate being operated in respect to the locking-studs so as to hold the arc projection behind the bolt-stem or away from it by means of a spring, as shown in the sectional views, Figures 1 and 2 of the accompanying drawings, Fig. 3 being a sectional view taken at right angles to the section, Fig. 1.

The hasp A is secured by a staple, B, in the usual manner. It is provided at its free end with an opening, C, to receive the fixed locking-eye D and form a guard, E, thereto and to the bolt F, which projects within said guard-opening, and fixed eye D, whereby the bolt is inclosed and protected from being tampered with.

The hasp is made hollow to receive the bolt F and the locking device, and the bolt is arranged to be moved in and out with its stem, which has a spring, G, to constantly press it outward.

The locking device is arranged in the rear of the bolt F, and consists of a plate, H, fitted upon the key-post I in a manner to have a compound movement thereon—that is, capable of being rotated upon the key-post I—and also moved in the direction of the length thereof. This plate H has an arc projection, J, on its face, and a cross-bar or rib, K, arranged on either side of the key-post I, so as to be embraced by a hollow key, L, which is notched at its end *a* for that purpose, the notches *a* fitting over and upon the rib K, by which to turn it upon its key-post. This movement is a half circle, and is made to bring the arc projection J directly opposite to the end of the bolt F as a stop to the latter, and to carry the said projection J away from the end of the bolt, to leave the latter free to be drawn into the hasp. When in the latter position the inner end of the stem of the bolt moves freely over the plate H.

To lock the plate in either of its positions

described, I provide it with notches *b*, arranged at right angles to the rib K to receive studs or pins *c* projecting from the key-post I, whereby the arc projection J is either held in position against the end of the bolt F or away from it at the opposite side of the key-post, and so that a half turn will always bring it opposite or away from the bolt, the rib K having openings *n* to allow it to turn over the pins *c* of the post.

To insure this locking action a spring, *d*, is placed to bear against the plate H and keep the notches *b* always locked with post-studs *c*, said spring *d* being arranged between the inner plate M of the hasp and the inner side of the locking-plate H, and the latter is disengaged from the locking-pins *c* by pressing with the key L upon the plate H, so as to put the pins out of the notches *b*, when the plate is free to be turned by the cylindrical notched key, the post whereof rises even with a collar, N, on the projecting face-plate P of the hasp.

In this way the face projection J is used as a stop to the bolt, and cannot be turned except by a key fitted to a very small circular opening between the collar N and the key-post.

When the projection J is turned aside the bolt is free to be moved in and out to open and close the hasp by a thumb-knob, Q, projecting from the bolt through a slot, R, in the face P of the hasp. This gives a great advantage in operating the bolt when unlocked without the use of the key.

The eyebolt D is secured by a central screw-shank, S, so that it cannot be got at or removed when the hasp is locked, and it may or may not project through the hasp-guard.

The staple connection of the hasp must be such as to allow the latter to have enough play to fit easily over the eyebolt.

Having described my invention, I claim—

The combination of the turning, locking, and unlocking plate H, having the notches *b* therein, with the locking-pins *c* of the key-post I, and the spring *d*, substantially in the manner and for the purpose described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses this 9th day of April, A. D. 1873.

Witnesses: ALFRED B. SMITH.

A. E. H. JOHNSON,
J. W. HAMILTON JOHNSON.