C. E. Robinson,

Safety Latch.

No. 112,635. Patented Mar. 14. 1871.

Fig. 1.

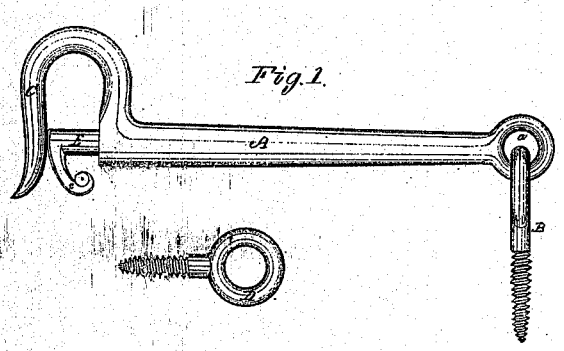
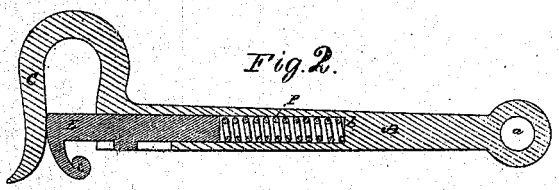


Fig. 2.



Witnesses.

L. A. Howe

J. B. Brown

C. E. Robinson.

by his attorney.

A. P. Hale

HER, WASHINGTON, D. C.

United States Patent Office.

CHARLES E. ROBINSON, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND CHARLES W. BRUNNER, OF SAVANNAH, GEORGIA.

Letters Patent No. 112,635, dated March 14, 1871.

IMPROVEMENT IN SAFETY-HASPS OR LATCHES.

The Schedule referred to in these Letters Patent and making part of the same.

To all to whom these presents may come:

Be it known that I, CHARLES E. ROBINSON, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Safety-Hasp or Latch; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a side elevation, and

Figure 2, a central and longitudinal section of a hasp or latch as provided with my improvement.

My invention has reference to that class of hasps in which a sliding bolt is employed, to prevent accidental disengagement of the parts after the hasp may have been connected with its staple or eye-bolt, and

My invention consists in providing the head or outer end of the bolt with a curved projection or lip depending from the under side thereof, the object of such being to serve as a retractor of the bolt when the point of the hasp is passed down into the eye of its staple, thus dispensing with the application of manual power thereto as heretofore required, and permitting the hasp to be hasped or locked with as much facility as if no spring-bolt were employed.

In the said drawing—

A denotes the body-portion of the hasp, which has an eye, *a*, formed on its rear end, for reception of the staple or eye-bolt B, by means of which the hasp may be secured in place.

The front end of the said hasp is formed with a hook, C, which is to hook into an eye-bolt or staple, D, in the ordinary manner.

Within the front end of the body a cylindrical chamber, *b*, is formed, the same being to receive a bolt, E, and its operating spring F.

The said spring is of a helical form, one end of which rests against the bottom of the chamber and the other against the inner end of the bolt, as seen in fig. 2.

The said spring should be of such power or expansive force as to maintain the head of the bolt in contact with the nose or point of the hasp under any jar or sudden blow.

On the front end of the said bolt I form a curved projection or lip, *c*, which extends down from the under part thereof, as shown in fig. 2. The object of such curved lip is to render the retraction of the bolt automatic when the point of the hasp is pressed down into the eye of the staple.

In order to maintain the curved lip in its normal position, or the bolt from revolving, the said bolt has another projection or stud, *e*, extending therefrom, and working in a slot, *f*, formed through the bottom of the chamber *b*, as seen in fig. 2.

In applying the bolt and spring to their chamber, the point of the hasp is to be bent slightly to one side of the body, when they may be readily inserted and the point returned to its normal position.

I do not claim providing a hasp or latch with a spring-bolt, so operating as to prevent accidental disconnection or unlatching of the hasp from its eye-bolt or staple, as I am aware that such is not new; and I especially disclaim the invention *in toto*, shown in the application of E. H. Olmstead, rejected in October, 1870, my invention being an improvement thereon, and remedying a defect incidental thereto; therefore,

What I claim is—

In a hasp constructed as described and shown, the curved lip *c*, in combination with the spring-bolt E, when arranged thereon as specified, and so as to operate as and for the purpose set forth.

CHAS. E. ROBINSON.

Witnesses:

F. P. HALE,

F. C. HALE.