

L. A. SPRAGUE.
BUCKLE.

No. 178,197.

Patented May 30, 1876.

Fig: 1.

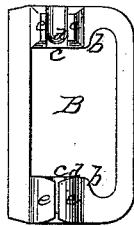


Fig: 4.

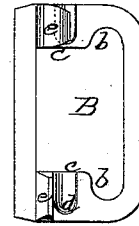


Fig: 2.



Fig: 5.

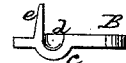


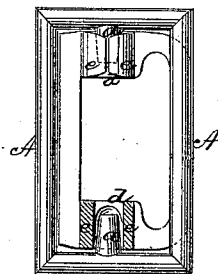
Fig: 3.



Fig: 6.



Fig: 7.



Witnesses:

H. L. Wattenberg
M. Lovell

Inventor:

Leonard A. Sprague
per [Signature]
Atty

UNITED STATES PATENT OFFICE.

LEONARD A. SPRAGUE, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN BUCKLES.

Specification forming part of Letters Patent No. **178,197**, dated May 30, 1876; application filed March 27, 1876.

To all whom it may concern:

Be it known that I, LEONARD A. SPRAGUE, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Buckle; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making part of this specification.

This invention is in the nature of an improvement in lever-buckles; and the invention consists in a lever-buckle with the lever thereof constructed with one or more lugs bent over and in contact with a bridge, so that the lugs of the frame are not pinched by the lugs of the lever, when the lever and frame are fitted together. The invention also consists in the frame of a lever-buckle, having a lug on the inner end of each frame, combined with lugs formed on the lever, substantially in the manner, and for the purpose described.

In the accompanying sheet of drawings, Figure 1 is a plan or top view of lever of my buckle, with two lugs; Fig. 2, an end view of same; Fig. 3, an end view showing lugs turned down; Fig. 4, a plan or top view, showing lever with one lug; Fig. 5, an end view of same; Fig. 6, an end view, showing lug turned down; and Fig. 7, plan or top view of buckle-lever and frame.

Similar letters of reference indicate like parts in the several figures.

A represents the frame of a lever-buckle, cast or otherwise formed with lugs *a a*. Secured to these lugs is the lever B. This lever has formed upon it at each end one or more lugs, *b b*. At each end of the lever B, and to the under side, are bosses *c c*. These bosses form the bearings within which the lugs *a a* of the frame are received. The bearings for the lugs *a a* do not extend entirely through the end frame of the lever, but they extend to a stop, *d*, which forms a bridge across the bearing, the upper edge of this stop or bridge be-

ing raised sufficiently above the bearing as to permit the lugs *a* on the frame to lie below the upper edge of the bridge. On one or both sides of the bearing, within the ends of the lever, are cast one or more lugs, *e*, projecting above the surface of the lever, so that when the lugs *a* of the frame A are placed within the bearings in the lever, and the lugs *e* are bent over the bearings in the lever, and the lugs *a* of the frame therein, the lugs *a* will be retained in position, and the lever securely attached to the frame.

Since in the operation of bending the lugs *e* over the frame-lugs *a*, a tendency to bind the lugs within the bearings would ensue from crowding the lugs *e* upon said frame-lugs *a*, until they would not rotate, by means of the bridge *d* this is obviated, for as the lugs *e* are bent over they are brought in contact with the upper edge of the bridge *d*, and this upper edge being above the upper surface of the frame-lugs *a*, the lugs *e* cannot be forced down upon the frame-lugs *a*, so as to interfere with the free turning of the lever within the frame.

As before stated, the lugs *a* of the frame A are separate, and not connected by a bar or otherwise.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A lever-buckle, constructed with a stop at the end of the bearings for the reception of lugs formed on the buckle-frame, substantially in the manner and for the purpose described.

2. In a lever-buckle, one or more lugs formed on the lever of the buckle, in combination with a stop formed at the ends of the bearings for the reception of the lugs on the buckle-frame, as and for the purpose described.

LEONARD A. SPRAGUE.

Witnesses:

H. L. WATTENBERG,
G. M. PLYMPTON.