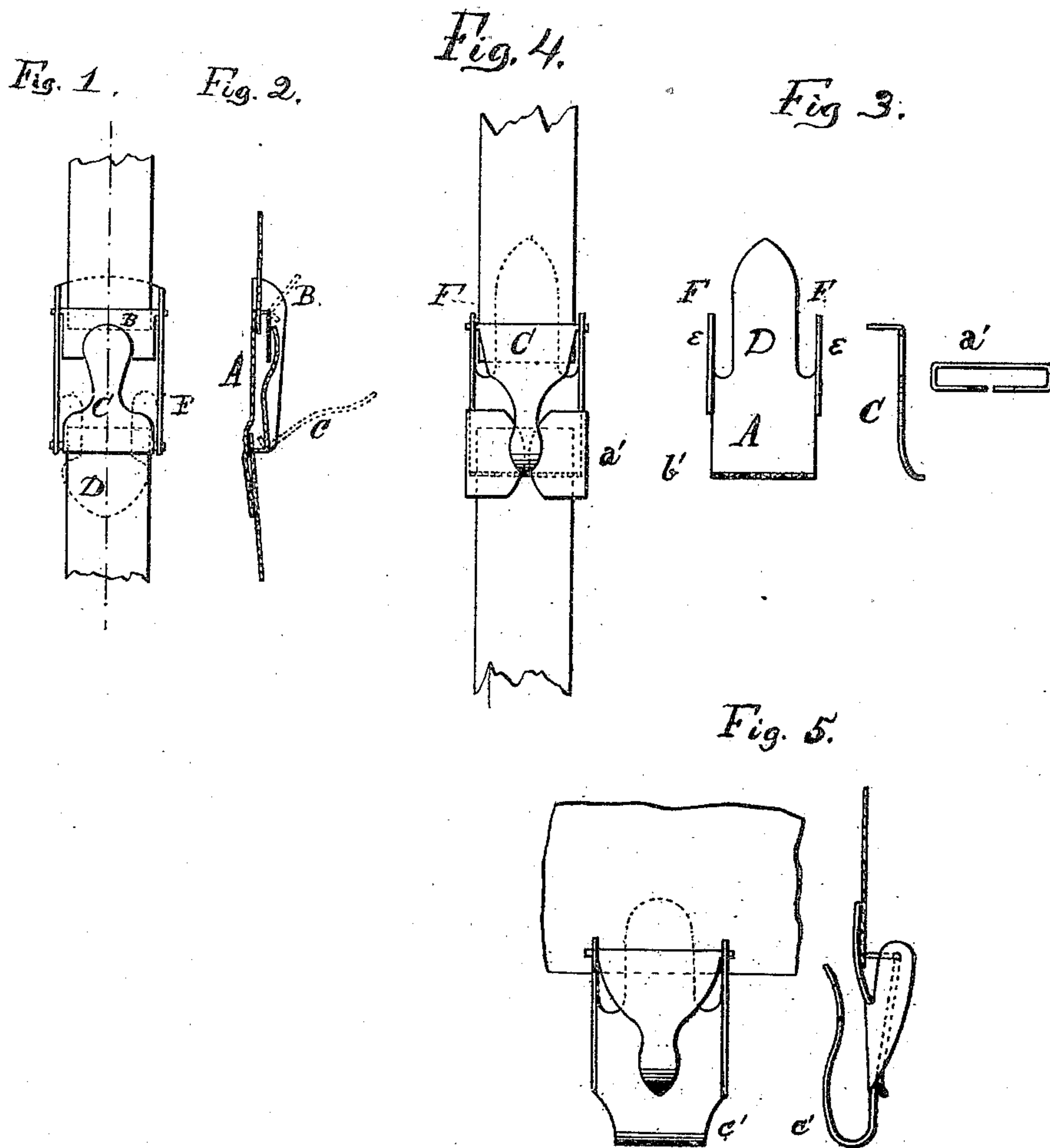


S. WALES.
LEVER-BUCKLE.

No. 172,527.

Patented Jan. 18, 1876.



Witnesses:

Frank Chapin
G. O. Jennings

Inventor:

Sigourney Wales

UNITED STATES PATENT OFFICE.

SIGOURNEY WALES, OF NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT
TO NATHANIEL H. FURNESS, OF TARRYTOWN, NEW YORK.

IMPROVEMENT IN LEVER-BUCKLES.

Specification forming part of Letters Patent No. **172,527**, dated January 18, 1876; application filed
January 20, 1874.

To all whom it may concern:

Be it known that I, SIGOURNEY WALES, of New York, State and county of New York, have invented certain Improvements in Lever-Buckles, of which the following is a specification:

My invention consists, primarily, in constructing a buckle with openings or cuts in the main or body plate, which detach the sides from the bed in such a manner that the portion between the said openings becomes a tongue, on which the lever holds the material which passes under the hinges of said lever.

My invention further consists in the arrangement, with the frame so constructed, of two levers, one at either end of the same plate, working in opposite directions.

In the accompanying drawings, Figure 1 represents a face view of the buckle with the base-plate in dotted line; Fig. 2, a side section; Fig. 3, parts detached; Figs. 4 and 5, modifications of my device.

Like letters refer to corresponding parts in the several figures.

A represents the base-plate of the buckle, provided with the usual sides or lugs *e e*, and slotted at F F, to permit the insertion of fabric of greater width than the body of the buckle beneath the lever C.

The tongue D, prolonged from the slotted base-plate, forms a spring, which bears against the lever C, and holds the fabric in firm contact therewith. At the other end of the buckle, and acting reversely to lever C is a lever, B, intended to hold a strap of such width that it may be inserted between the parallel sides of the buckle. This lever may be replaced by a sliding clasp, as shown in Fig. 4, (in cross-section in Fig. 3, *a*,) in which case the end of the base-plate should be turned up and teethed, as in Fig. 3 at *b*. Or, instead of the cam or sliding clasp, the rear end of the base-plate may be prolonged and hooked to receive a ring or loop, as in Fig. 5.

The strap is applied to the buckle by lifting and throwing back the upper lever, admitting the strap beneath it and pressing it again into

position. In doing this the teeth become embedded in the strap, which yields and permits itself to be crowded along the surface, so that it holds fast, and at the same time requires some force to be applied to cause the lever to rise and release it.

The lower lever C works in the same manner in an opposite direction, while the cuts or openings F F permit the selvage edge of cloth and other material to come beneath its gripe by passing through the cuts F F and over the tongue D. When in this position the lever, being pressed into position, secures the buckle to the cloth firmly.

The operation of the modifications shown in Figs. 4 and 5 will be understood without further description.

I claim as my invention—

1. In a lever-buckle, the base-plate A, having slots or openings F F, substantially as and for the purpose herein set forth.

2. The combination of the lever C, with the base-plate of lever-buckles, having the cuts or openings F F therein, substantially as and for the purpose herein set forth.

3. The combination of the lever C, with the base-plate of lever-buckles, having slots or openings F F therein, and the spring-tongue D, substantially as described.

4. The combination of the lever B, with the body-plate of lever-buckles, having the cuts or openings F F therein, substantially as and for the purpose herein set forth.

5. The combination of the two levers B and C, with the body-plate of lever-buckles, having the cuts or openings F F, therein, substantially as and for the purpose hereinbefore set forth.

6. A lever-buckle, having at one end the lever C, slots F F, and spring-tongue D, and at the other a suitable fastening device, substantially as described.

SIGOURNEY WALES.

Witnesses:

N. H. FURNESS,
FRANK CHAPIN.