

(No Model.)

R. W. OWEN.

BUCKLE.

No. 300,727.

Patented June 17, 1884.

Fig 1

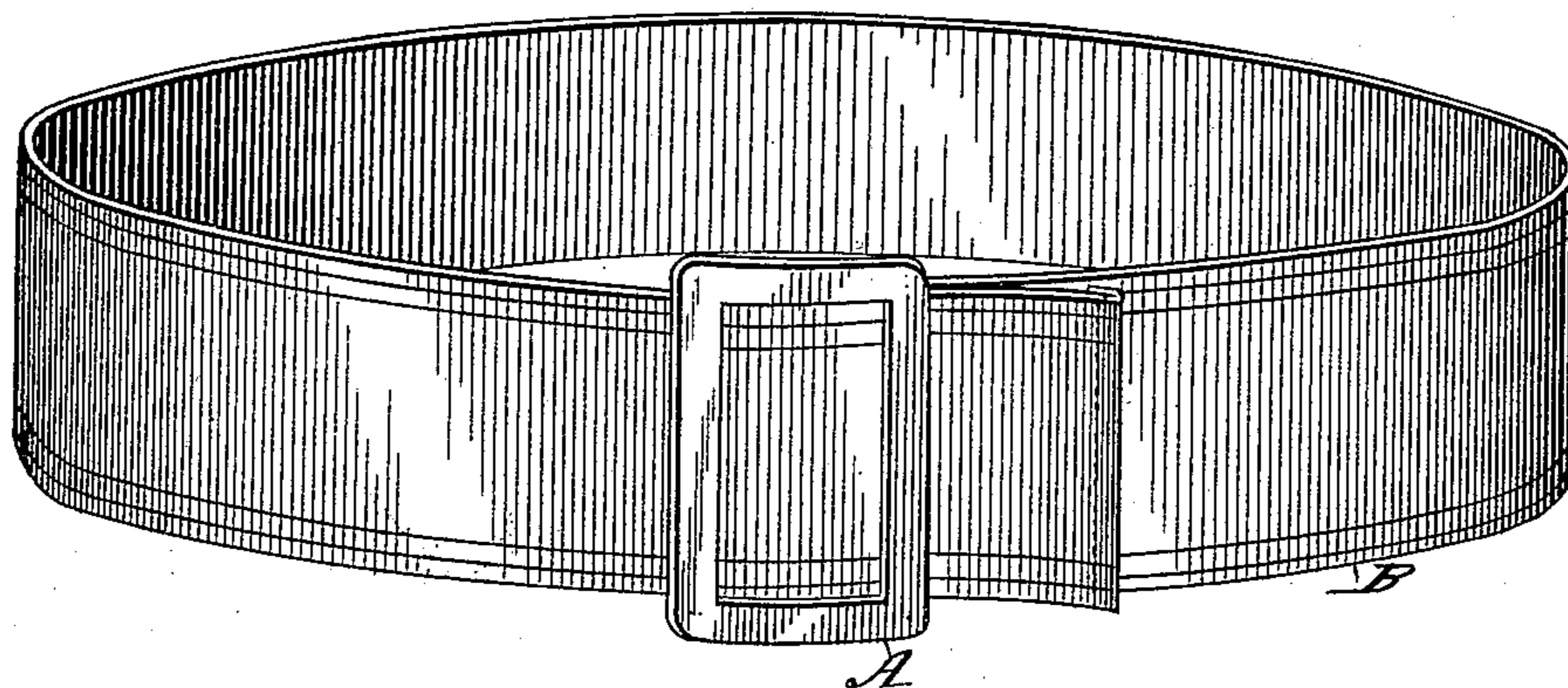


Fig 2

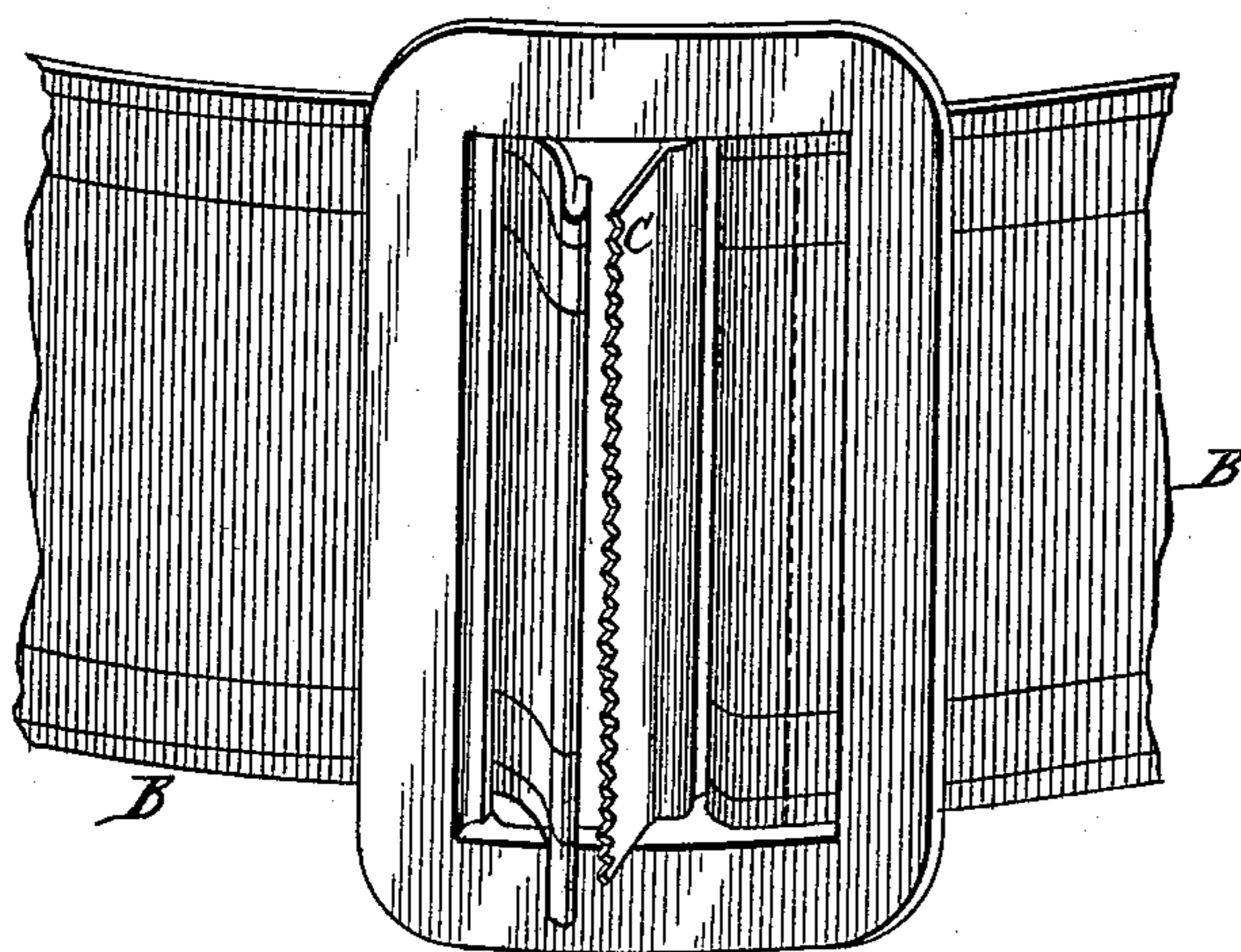


Fig 3

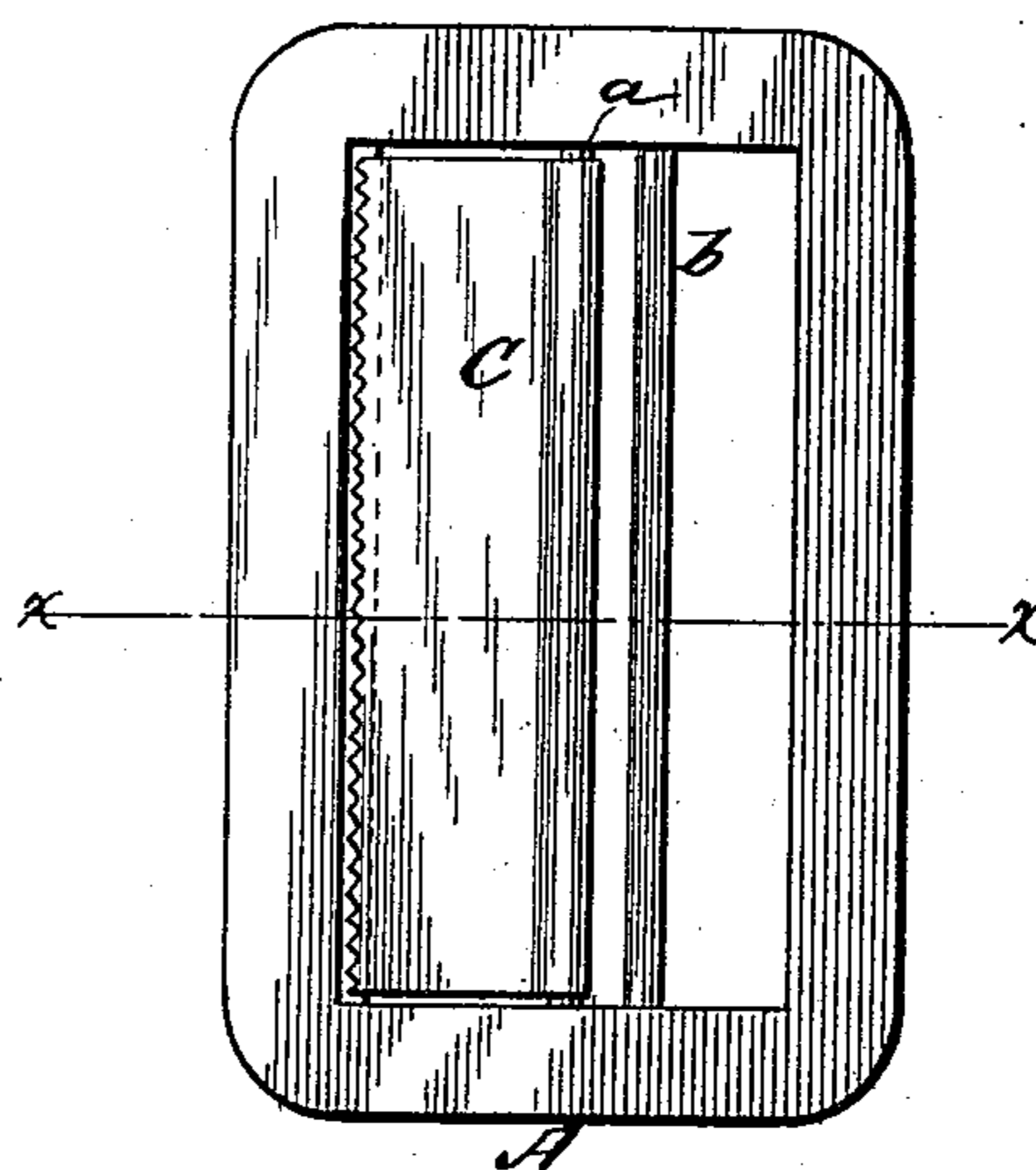


Fig 4

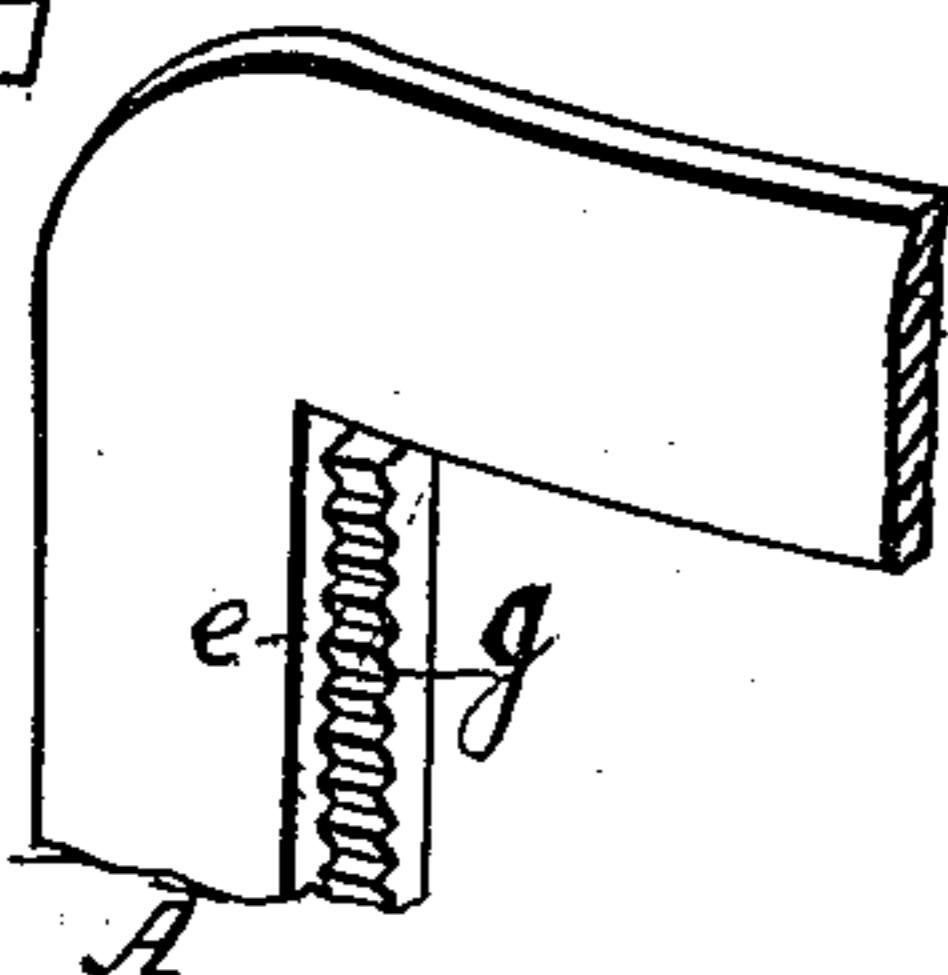


Fig 5



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD W. OWEN, OF CHICAGO, ILLINOIS.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 300,727, dated June 17, 1884.

Application filed May 11, 1883. Renewed May 21, 1884. (No model.)

To all whom it may concern:

Be it known that I, RICHARD W. OWEN, of Chicago, in the county of Cook and State of Illinois, have invented certain new and
5 useful Improvements in Buckles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying draw-
10 ings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to buckles; and it consists in certain details of construction and ar-
15 rangement of the several parts, as will be hereinafter more fully set forth in the specification, and pointed out in the accompanying drawings, in which—

Figure 1 is a front elevation of the buckle
20 and strap closed; Fig. 2, a front elevation of the buckle and strap, the tongue-plate being opened; Fig. 3, a side elevation of the buckle; Fig. 4, a section on the line *x x*, Fig. 3; and
25 Fig. 5, a detail sectional view of the buckle-frame.

In the drawings, A represents the buckle-frame, and *a* the tongue-bar. This bar *a* is placed below the lower surface of the frame A, as indicated in Fig. 4. The strap-bar *b* is in
30 the same plane and parallel with the bar *a*. The tongue side of frame A is grooved, as at *e*, Fig. 4, the under edge forming a lip, *d*. The tongue C consists of a plate passing over and around the tongue-bar, space being left for
35 free action between the tongue and frame A.

The outer side or edge of the tongue-plate is serrated, as shown in Fig. 2, but not sharply enough to cut the material of the strap or band B. The tongue-plate is of sufficient width to enter the groove *e* and rest on the lip *d*.
40 The groove is of sufficient depth and width to allow the strap B to be forced into it by the tongue-plate, and yet afford room for the strap between the edge of the groove and tongue-plate when the strap is buckled, thus causing
45 the strap, when buckled, to lie below the upper surface of the frame A. The position of the tongue-plate, tongue-bar, and lower edge of the groove *e* is such that the tongue-plate is constantly forcing the strap into the groove
50 in the operation of buckling. I may also serrate the groove *e*, as shown at *g*, Fig. 5, so that the serrations on the tongue-plate may engage with those in the groove, and firmly
55 hold the strap B.

Having thus described my invention, what I claim is—

In a buckle, the combination, with the frame provided with a groove and lip, as described, of the tongue-plate, the tongue-bar, and strap-
60 bar, the tongue-bar and strap-bar being arranged in a plane beneath the inner surface of the buckle-frame, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of
65 two witnesses.

RICHARD W. OWEN.

Witnesses:

CHAS. W. C. LANZ,
SIMON LEVY.