

(No Model.)

C. F. ALLEN.
STRAP BUCKLE.

No. 362,595.

Patented May 10, 1887.

FIG. 1.

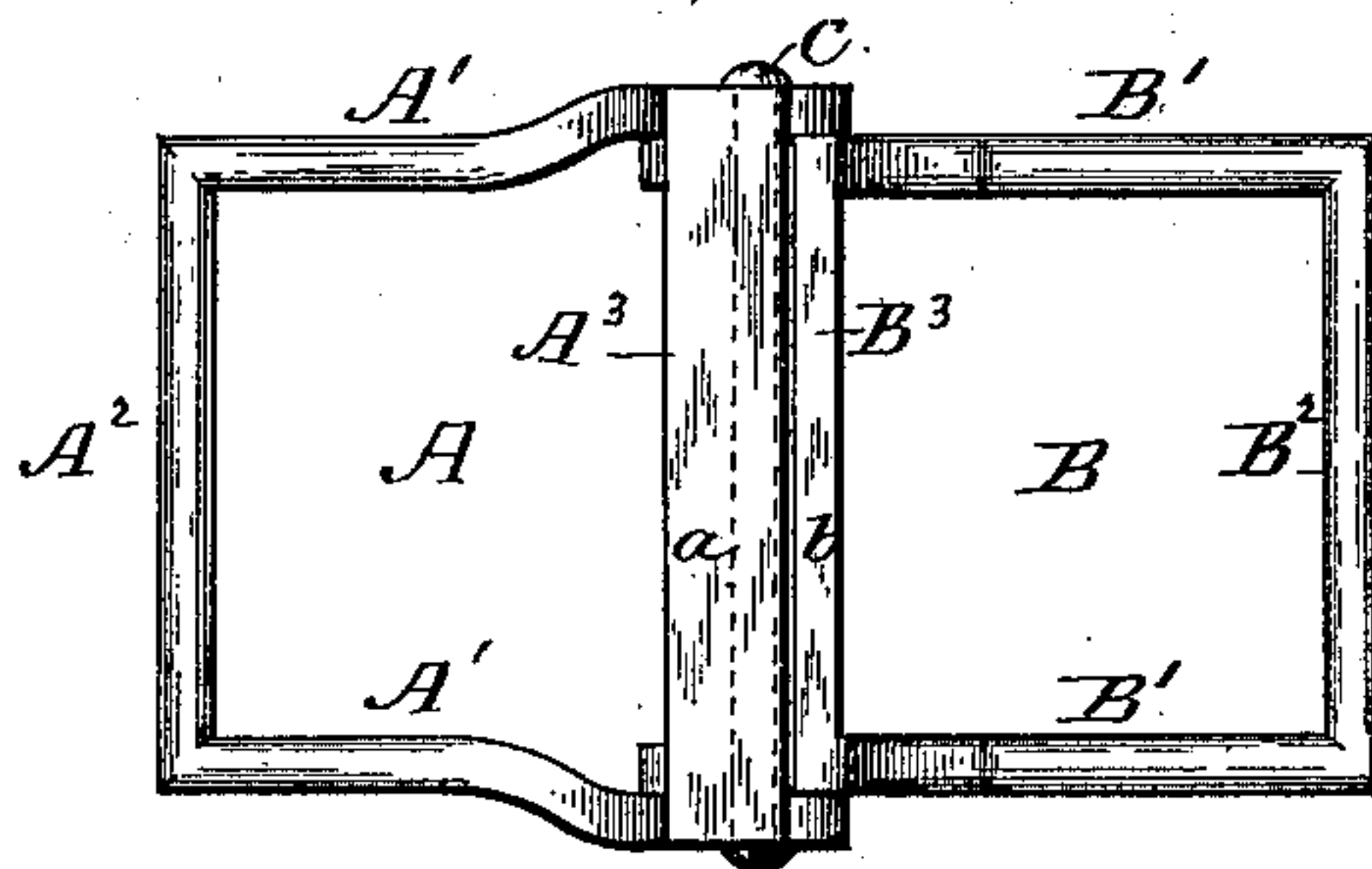


FIG. 2.

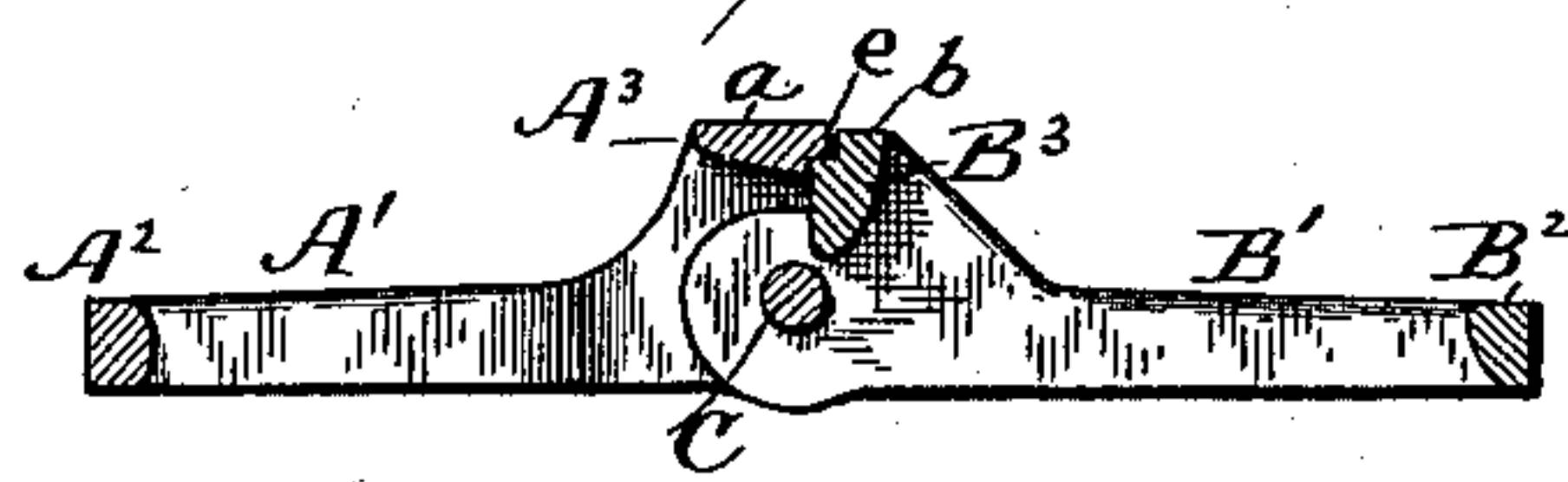


FIG. 3.

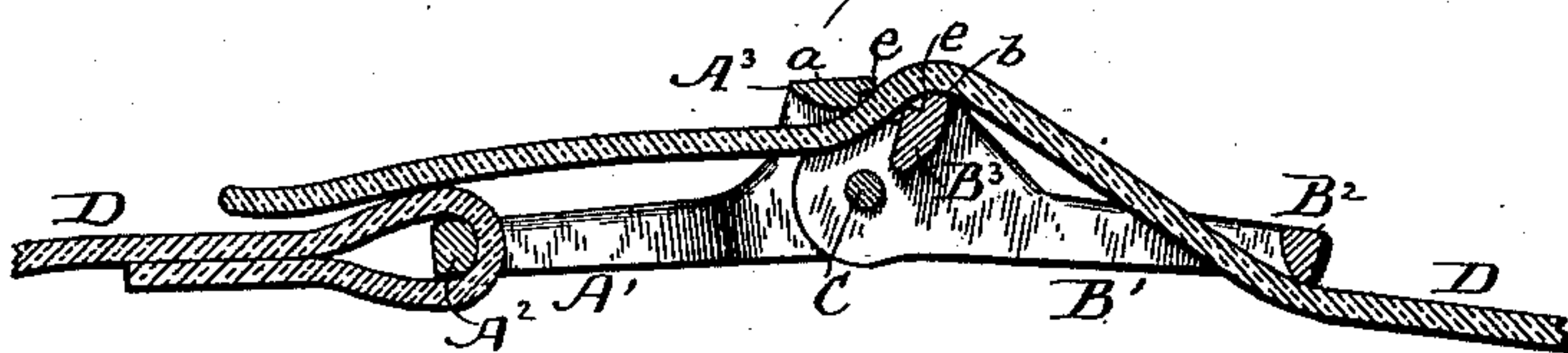
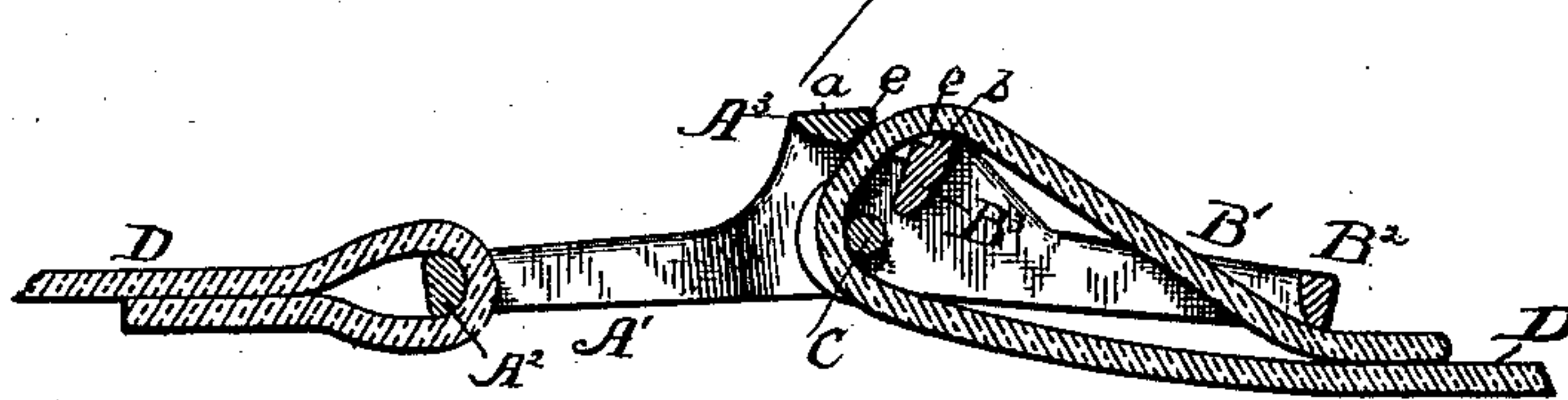


FIG. 4.



Witnesses:
E. F. Mordeman
E. E. Masson

Inventor:
Charles F. Allen,
by James C. Boyce
att'y.

UNITED STATES PATENT OFFICE.

CHARLES F. ALLEN, OF BRADFORD, PENNSYLVANIA.

STRAP-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 362,595, dated May 10, 1887.

Application filed September 16, 1886. Serial No. 213,667. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. ALLEN, a citizen of the United States, residing at Bradford, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Strap-Buckles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in buckles formed of two parts hinged together, adapted to pinch a strap between them when a strain is brought upon the parts; and the object of my improvement is to produce a buckle of this class which shall be simple and adapted to come as effectively into engagement with a thin and limber strap as with a thick strap. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a top view of a buckle constructed in accordance with my invention. Fig. 2 is a longitudinal vertical section of the same. Figs. 3 and 4 are similar sections of the buckle retaining the ends of a strap.

The buckle consists of the parts A and B, united together by a bolt, C, forming the hinge of said parts. The part A consists of the side bars A', united by the outer end bar, A², and the inner end bar, A³, adjacent to the hinge-bolt C. The part B consists of the side bars B', united by the outer end bar, B², and the inner end bar, B³, the latter being adjacent to the hinge-bolt C. The bars A³ and B³ occupy a position above the hinge-bolt, and when closed together or while pinching a thin strap, D, the upper faces, *a b*, are substantially in the same horizontal plane. The adjacent edges of both the bars A³ and B³ are provided with grooves or corrugations *e*, so arranged as to become interlocked when said bars are brought in close contact together; and if a strap, as D, is introduced between them and the end bars,

A² and B², are slightly lifted, as when tension is brought upon the strap after it has been passed under said bars, the corrugations of both rigid bars A³ and B³ indent the strap in both its upper and under side, while at the same time an acute bend is made in the strap, and this bend combined with smaller indentations produced in said strap cause such a strong clutch upon the strap that it is rigidly held by the buckle, and cannot be made to slip through the buckle until its jaws, consisting of the serrated bars A³ B³, are forced apart by bearing upon the outer end bars, A² B², or preferably by lifting under the joint C.

I am aware that buckles have been formed of two parts hinged together, so that a strap passed between them will become pinched and retained thereby, and that the under side of one of these parts has been serrated, while a springy dog having its face serrated has been secured to the second part; but this nature and arrangement of parts in many instances did not permit enough adhesion upon the strap.

Having now fully described my invention, I claim—

A buckle consisting of the part A, having its bar A³ provided with serrations in one of its edges, and the part B, having its bar B³ provided with serrations in one of its edges, adapted to become interlocked with the serrations in the bar A³, the upper face of said bars being substantially in the same horizontal plane, in combination with a bolt forming the hinge between the parts A and B, each provided with an end bar, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES F. ALLEN.

Witnesses:

JAMES C. BOYCE,
KENTON SAULNIER.