

No. 892,862.

PATENTED JULY 7, 1908.

R. LONDON.

BUCKLE.

APPLICATION FILED NOV. 30, 1907.

Fig. 1.

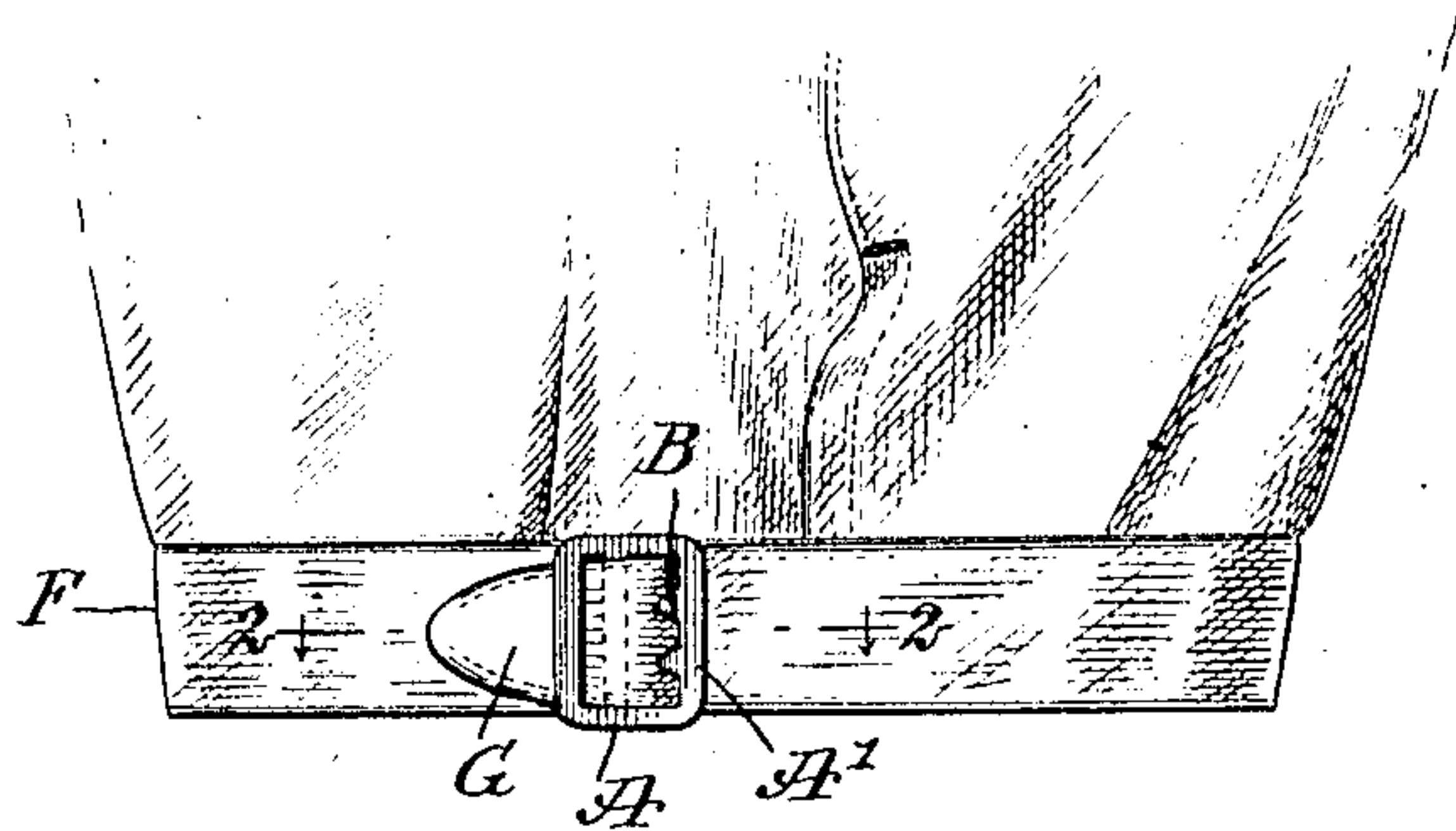


Fig. 2.

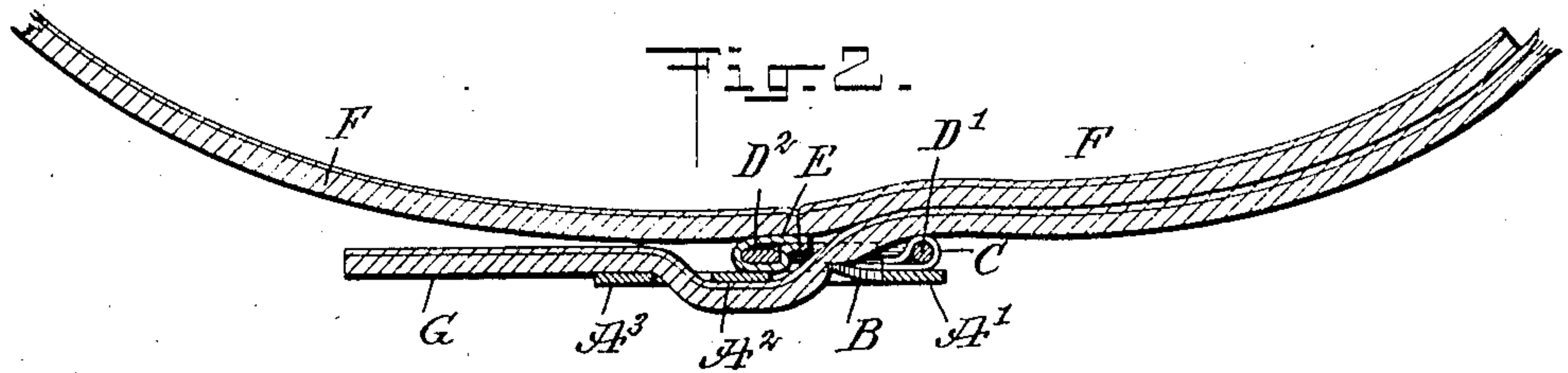


Fig. 3.

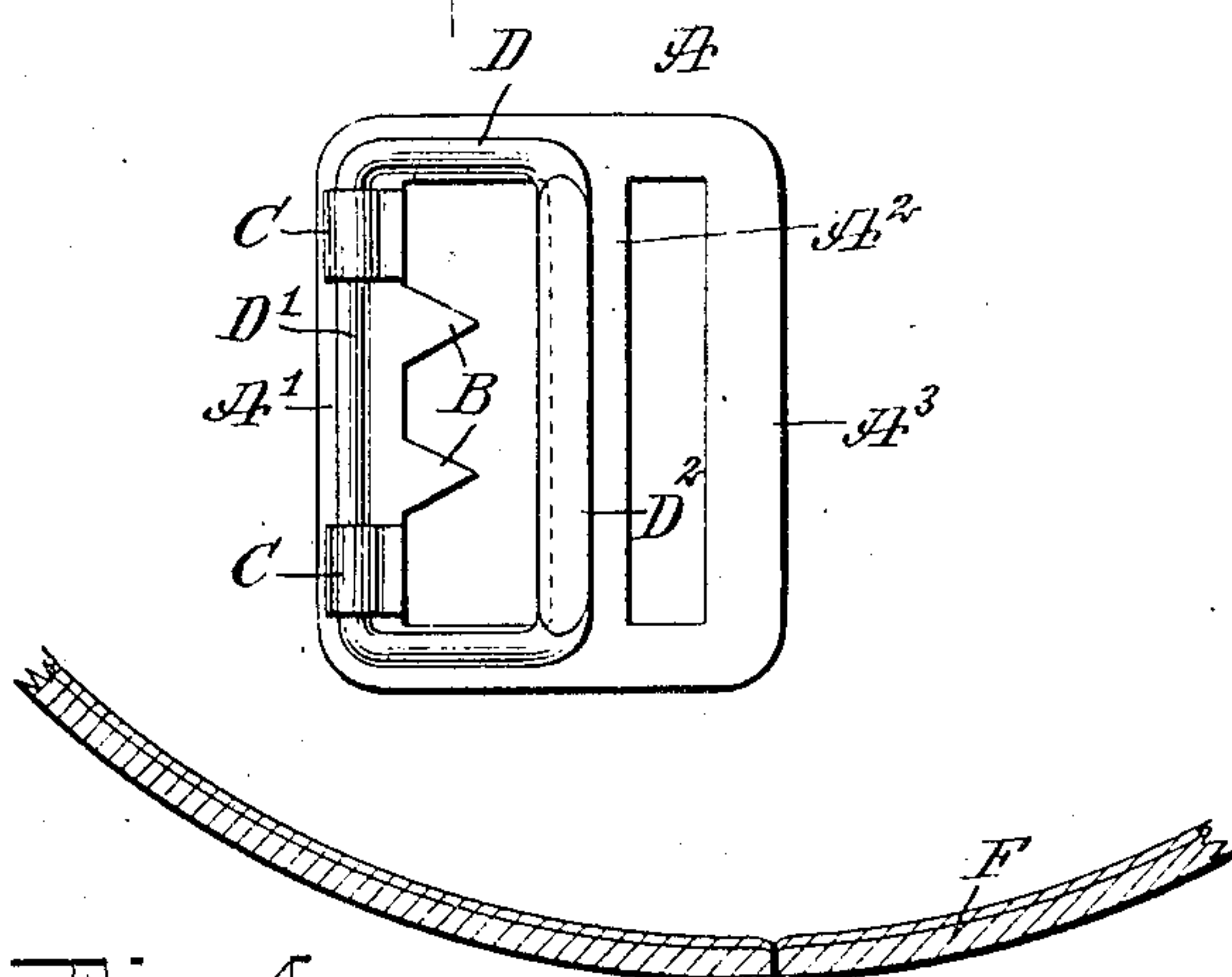
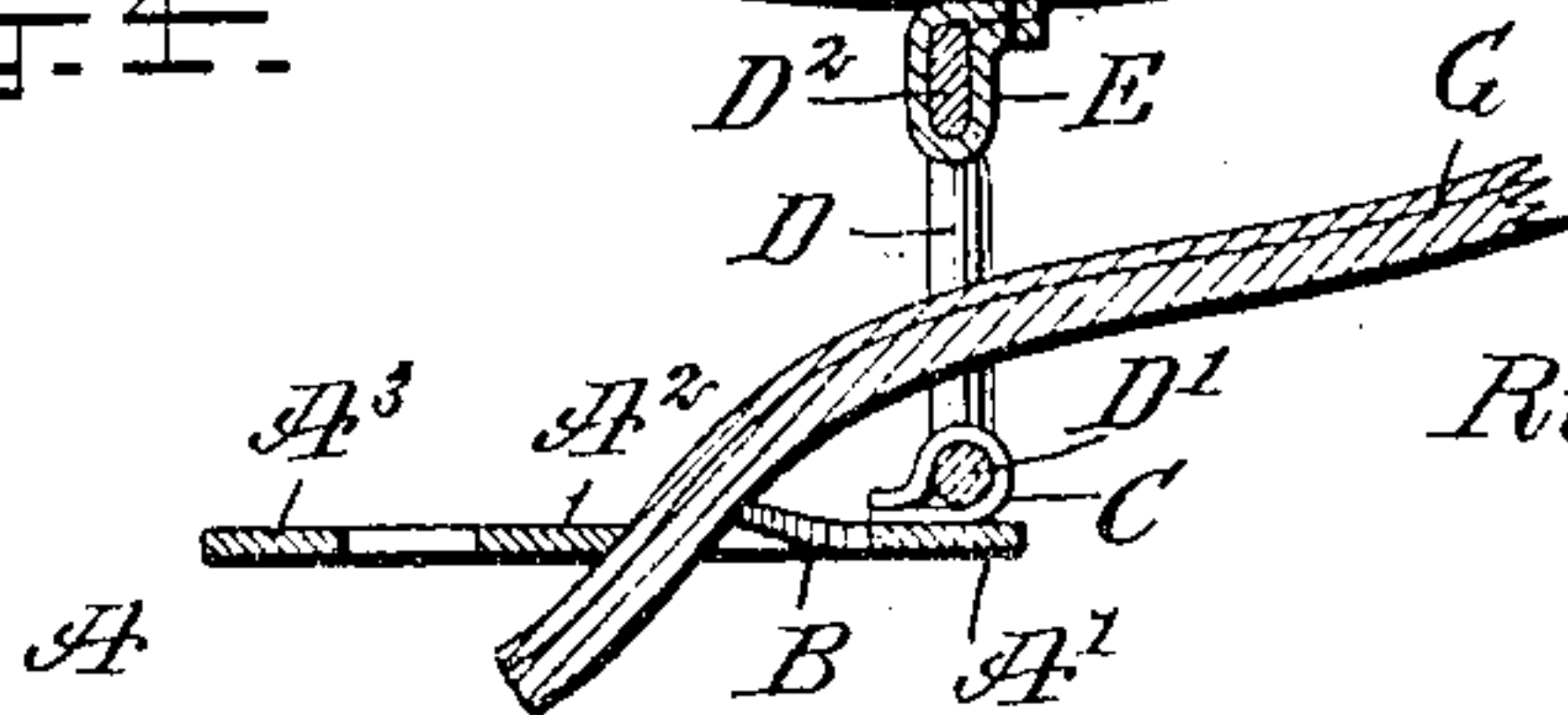


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

RUBEN LONDON, OF NEW YORK, N. Y.

BUCKLE.

No. 892,862.

Specification of Letters Patent.

Patented July 7, 1908.

Application filed November 30, 1907. Serial No. 404,494.

To all whom it may concern:

Be it known that I, RUBEN LONDON, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Buckle, of which the following is a full, clear, and exact description.

The invention relates to buckles such as used on knee pants and other garments and articles.

The object of the invention is to provide a new and improved buckle, adapted to be conveniently and securely attached to the garment or article, and arranged to allow ready insertion of the strap and secure retention thereof in the buckle.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the improvement as applied to knee pants; Fig. 2 is an enlarged sectional plan view of the same on the line 2—2 of Fig. 1; Fig. 3 is an enlarged rear face view of the improvement, and Fig. 4 is an enlarged sectional plan view of the improvement as applied and in an open position.

The open frame A of the buckle is provided at the inner edge of the end cross bar A' with teeth B, and on the rear face of the said end cross bar A' are arranged bearings C, in which is pivoted the member D' of a transversely-extending loop D, having its opposite member D² engaging a bearing E, preferably made of cloth or other fabric material, and sewed or otherwise fastened to the leg of the knee pants or other garment or article F on which the buckle is used.

Now by the arrangement described the frame A can be swung clear of the article F, as plainly indicated in Fig. 4, to allow ready insertion of the end of the buckle strap G in the loop D and open frame A. When this has been done a pull on the end of the strap G causes the loop D and frame A to swing inward, to lie close to the article F and to allow of drawing the strap G tight and to engage it with the retaining teeth B on the

end cross bar A'. The member D² of the loop D and the eye of the bearing E lie under the middle cross bar A² of the frame A at the time the buckle is closed, as plainly indicated in Fig. 2. The terminal of the buckle strap G is passed over the middle cross bar A² and then under the other end cross bar A³, in the usual manner and as shown (see Figs. 1 and 2). By the arrangement described the buckle is rendered flexible, and as the frame A is not directly attached to the article, it is evident that it does not unduly stiffen the article or render the same cumbersome at the point of attachment of the buckle on the article. It will also be noticed that any strain exerted by the buckle strap G on the buckle, tends to draw the buckle strap G firmer in engagement with the teeth B, and hence the buckle strap is not liable to become loose. It will also be seen that by the use of the cloth bearing E the buckle can be readily attached to the article F, and the loop D is securely held in place on the garment and the buckle is not liable to become loose or tear off.

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

1. A buckle, comprising an open frame having means for retaining the buckle strap, and a loop pivoted to one end of the said frame and having means for hingedly connecting it at the other end with the article on which the buckle is to be used.

2. A buckle, comprising an open frame having a toothed end bar for the retention of the buckle strap, and a loop pivoted to the said toothed end bar for the passage of the buckle strap, and a bearing for the said loop to swing in and arranged for attachment to the article on which the buckle is to be used.

3. A buckle, comprising a swing loop for the passage of the buckle strap, a bearing for one end of the loop to swing in and arranged for attachment to the article on which the buckle is to be used, and an open frame for the passage of the end of the buckle strap, and pivotally connected at one end to the free end of the said swing loop.

4. A buckle, comprising an open frame having one end bar provided at the inner edge with teeth for the retention of the buckle-strap, a transversely-extending loop for the passage of the buckle strap and pivoted on the said toothed end bar, and having

means for pivotally connecting it with the article on which the buckle is used.

5. A buckle, comprising an open frame having one end bar provided at the inner edge with teeth for the retention of the buckle strap, a transversely-extending loop for the passage of the buckle strap and pivoted on the said toothed end bar, and a bearing for the said loop adapted to be attached

to the article on which the buckle is to be used.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RUBEN LONDON.

Witnesses:

CHARLES FEUER,
SIMON RADER.