

No. 886,029.

PATENTED APR. 28, 1908.

P. I. ANDREWS.

BUCKLE.

APPLICATION FILED OCT. 8, 1907.

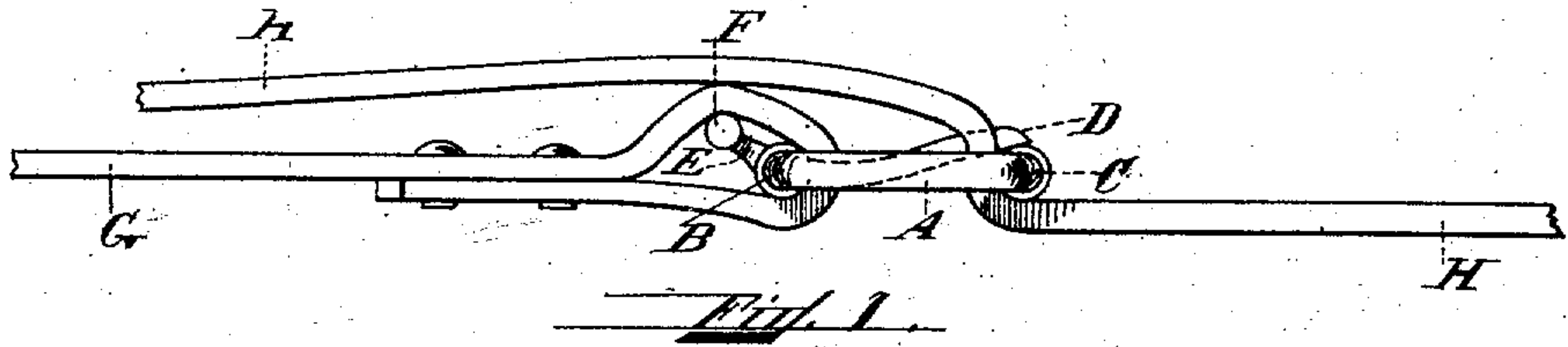


Fig. 1.

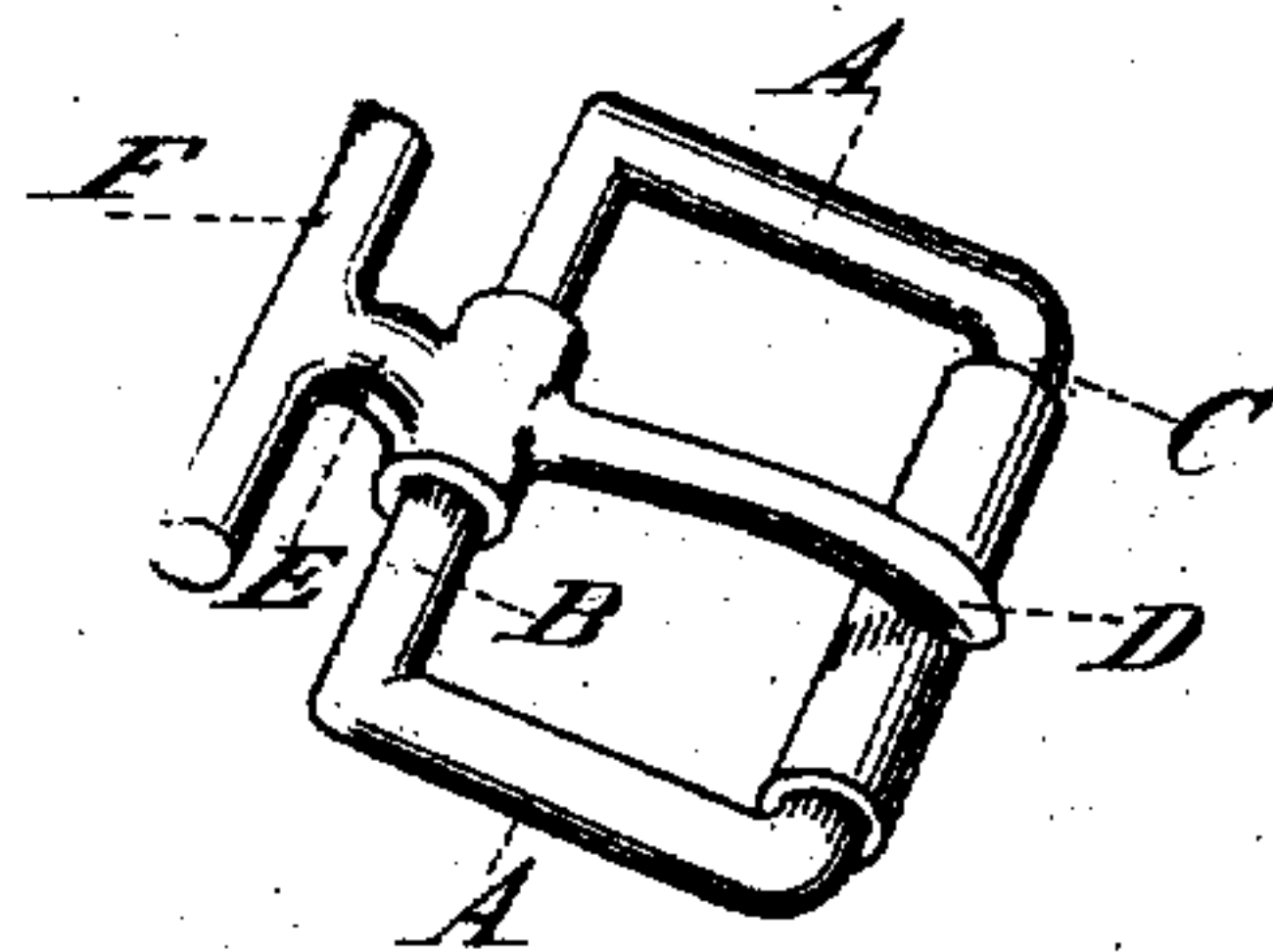


Fig. 2.

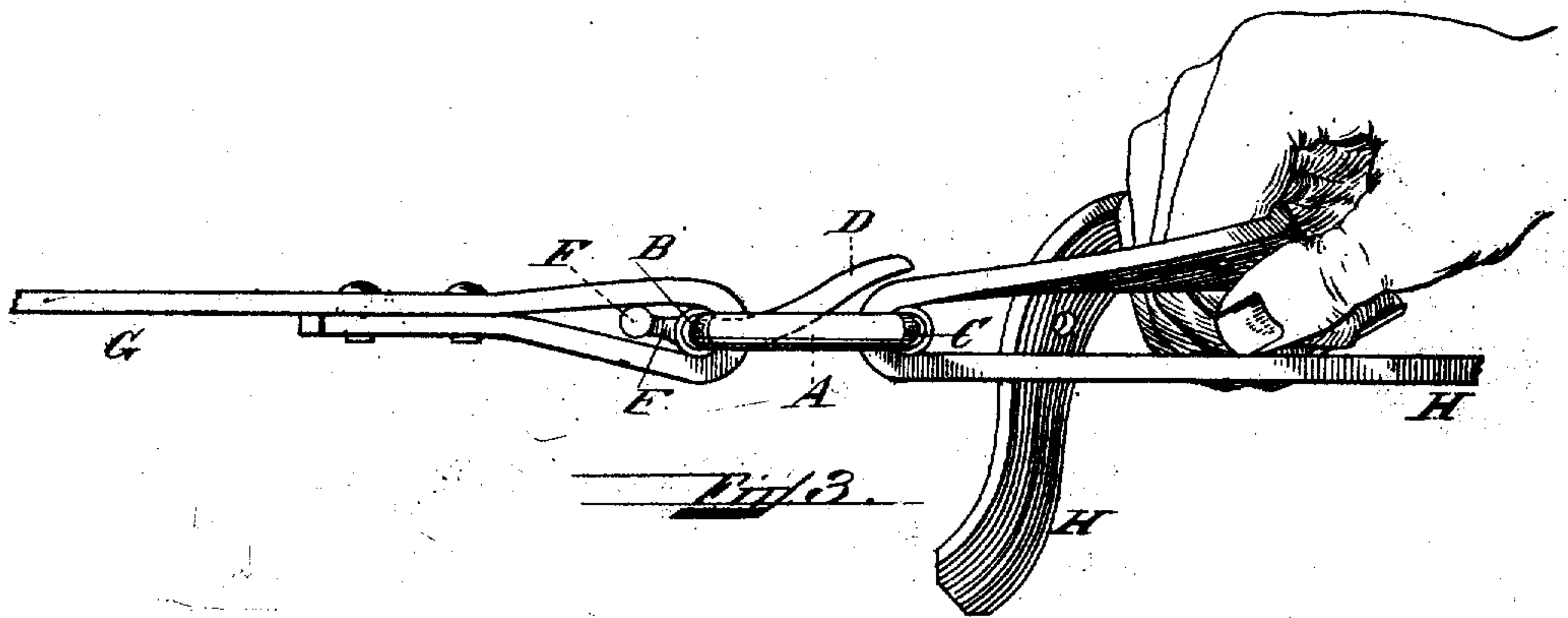


Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

PAUL I. ANDREWS, OF KENNEBUNK, MAINE

BUCKLE.

No. 886,029.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed October 8, 1907. Serial No. 696,406.

To all whom it may concern:

Be it known that I, PAUL I. ANDREWS, of Kennebunk, in the county of York and State of Maine, have invented certain new and useful Improvements in Buckles, of which the following is a specification.

My invention relates to buckles of the class in which each contains a tongue which serves to hold a strap by insertion in a hole in the same.

The object of my invention is to relieve the difficulty, frequently occurring, of withdrawing the tongue from the strap when there is a heavy strain upon it, especially in the case of a thick heavy strap.

I attain this object by means of the construction herein described, and shown in the drawings forming a part of this specification, of which

Figure 1 is a side elevation of the buckle with the strap attached in a fastened position; Fig. 2, a perspective view of the naked buckle; Fig. 3, an elevation of the buckle with strap attached in an unfastened position.

Like figures of reference refer to same parts in all the drawings.

The buckle is composed of the usual frame, consisting of the side bars, A, A, and ends, B and C. The tongue, D, is shown as pivoted about the end bar, B, and it reaches to the other end, C, so as to rest upon it when pressed down. It has an extension, "E", beyond the bar, B, at an obtuse angle with the plane in which lies the frame, and rises from the same on the side on which lies the tongue. The end of this extension is preferably enlarged to form a cross bar, F, which may be of a length approximately equal to the width of the strap for which the buckle is adapted.

In using the buckle, the strap, G, shown in Figs. 1 and 3, is passed around the end of the frame to which the tongue is pivoted, and, inclosing the extension, E, and bar, F, is riveted or otherwise fastened to itself as shown. The end of the strap, H, to be buckled thereto, is passed through the frame and the tongue thrust through one of the holes provided for the same. When there is tension upon the straps the tongue is held fast down upon the bar, C, and the bar, F, is forced upward against the part of the strap, G, lying above it. When it is desired to loosen the strap, H, and it is drawn to the position

shown in Fig. 3, the pressure upon the bar, F, depresses it and lifts the tongue free from the strap as shown in Fig. 3.

I have shown the tongue, D, D, as pivoted above bar, B; of course, this bar, B, might be pivoted in the side bars, A, A, and the tongue and its extension made solid with it and still be within the scope of my invention.

I claim:

1. In a buckle, a frame, a tongue pivoted to one part thereof and overlapping another part, an extension bar rigidly connected with the said tongue and extending away from it beyond its pivotal axis, so as to form one arm of a lever, of which the tongue proper is the other arm, said extension bar being at an angle with the plane in which lies the tongue and its pivotal axis; whereby pressure upon said extension bar toward said plane tends to raise the point of the tongue from its normal position in contact with the frame; in combination with a strap of flexible material inclosing the said extension of the tongue and that part of said frame which constitutes the pivotal axis about which the tongue is movable, whereby tension upon said strap in a direction away from the buckle tends to press down the tongue extension and raise the opposite end of the tongue, arranged and to operate substantially as herein set forth.

2. In a buckle, a frame, a tongue pivoted to one of its ends and overlapping its opposite end, and an extension of said tongue beyond the end of the frame to which it is pivoted and when the point of said tongue is in contact with the frame rising upward above the plane in which lies the frame, in combination with a strap of flexible material around the end of said frame to which the tongue is pivoted, inclosing the said extension of the tongue, and fastened to itself so as to form an inclosing loop whereby tension upon the said strap in a direction away from the buckle tends to press down the tongue extension and raise the opposite end of the tongue, all arranged and to operate substantially as herein set forth.

In testimony whereof I have affixed my signature, in presence of two witnesses.

PAUL I. ANDREWS.

Witnesses:

ASA A. RICHARDSON,
WALTER L. DANE.