

No. 782,423.

PATENTED FEB. 14, 1905.

G. SHOENBERGER.

BUCKLE.

APPLICATION FILED JAN. 7, 1904.

Fig. 1.

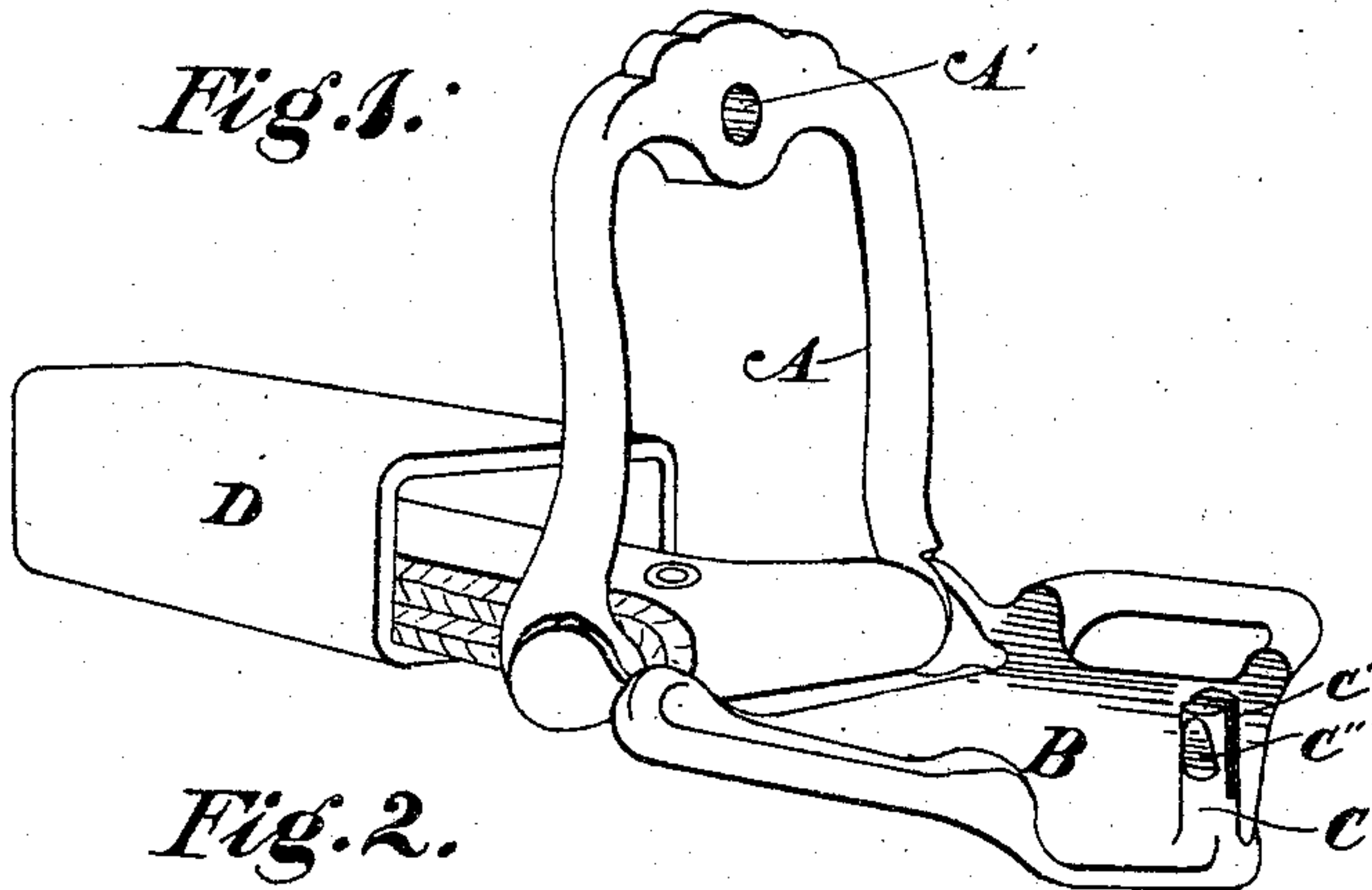


Fig. 2.

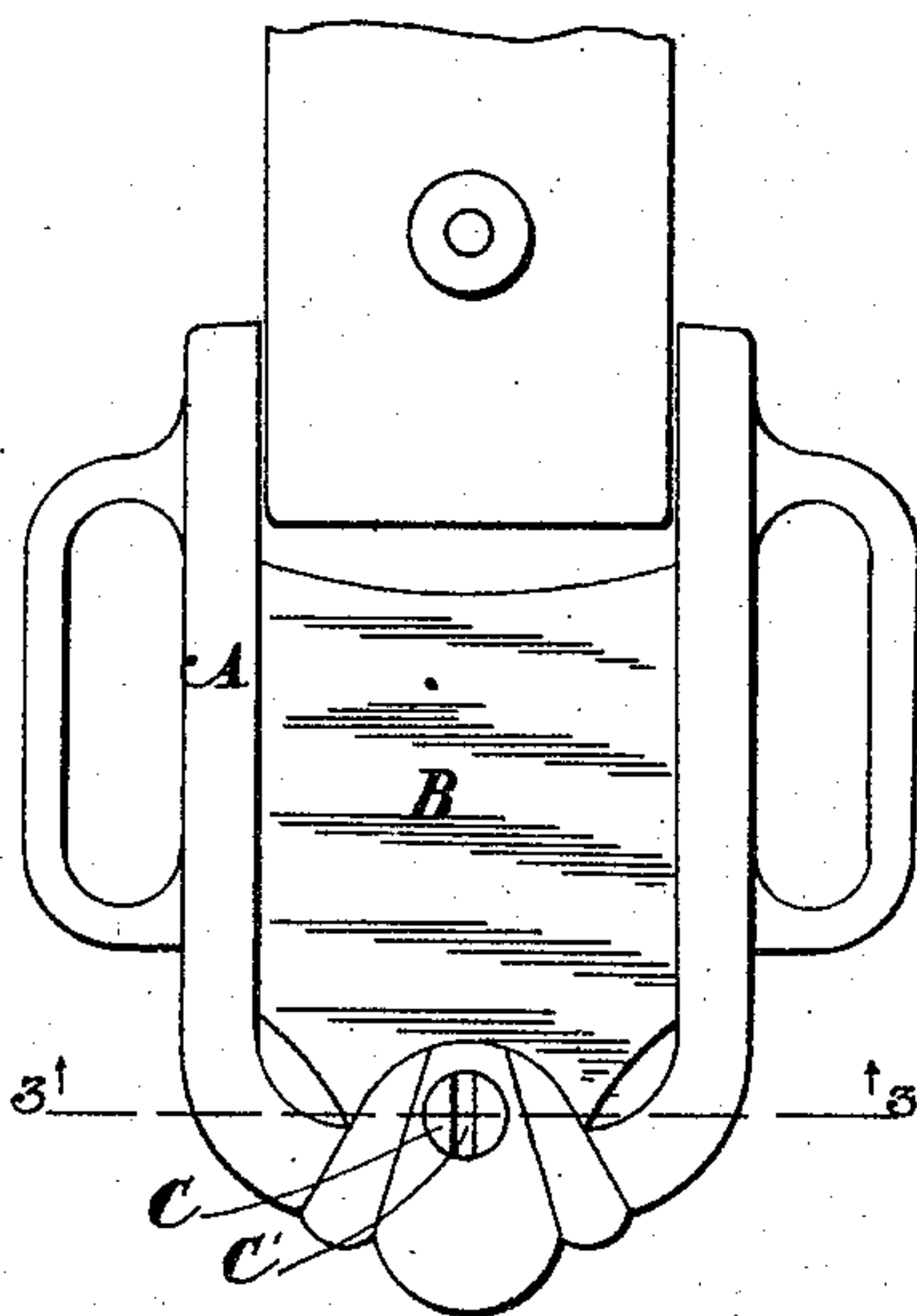


Fig. 3.

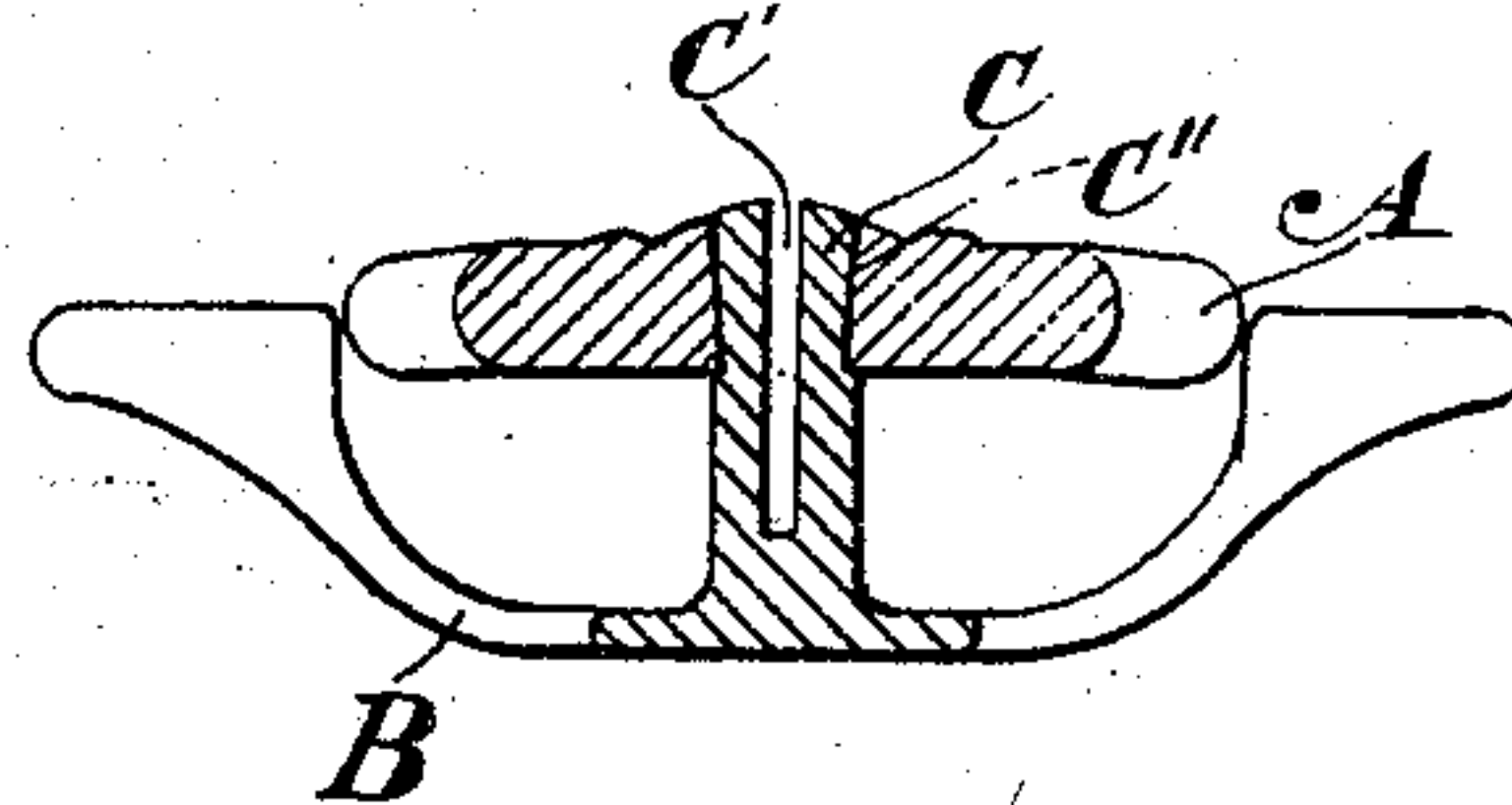
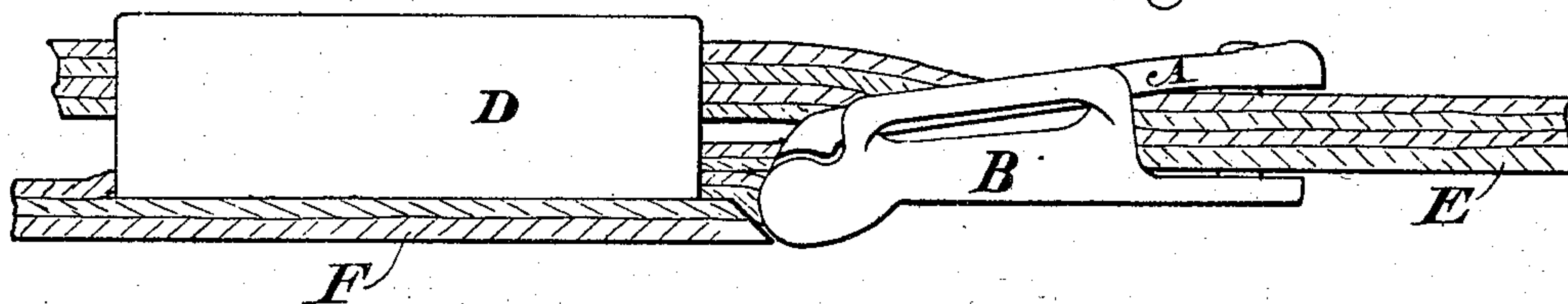


Fig. 4.



Witnesses

Wm H. Buckler
L. Hartnell

Inventor.

George Shoenberger
Hazard & Warpham

by

Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE SHOENBERGER, OF LONGBEACH, CALIFORNIA.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 782,423, dated February 14, 1905.

Application filed January 7, 1904. Serial No. 188,119.

To all whom it may concern:

Be it known that I, GEORGE SHOENBERGER, of Longbeach, in the county of Los Angeles and State of California, have invented new and useful Improvements in Buckles, of which the following is a specification.

My invention relates principally to harness-buckles; and the objects thereof are to provide means to keep the traces of the harness straight when the same is buckled, to equalize the strain on the trace and prevent it from cracking at the point where the same is buckled, and particularly on the inside of the trace where the tongue-hole of the buckle passes through the trace.

The object is, further, to enable one to unbuckle the trace while there is strain on it without having to slacken the trace, to do away with the cutting of the slot in the hame-tug for the insertion therein of the tongue of an ordinary buckle, which operates to weaken the same at this point, where it should be strongest, to prevent bending the trace when adjusting it as to length, it being unnecessary to remove the trace from the loop when it is being adjusted.

I attain these objects by means of the device described herein and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my buckle in its open position secured to the hame-tug. Fig. 2 is a plan view of the buckle in its closed position. Fig. 3 is a transverse view taken on line 3 3 of Fig. 2 looking in the directions indicated by the arrow-heads thereon. Fig. 4 is a side view of my buckle in place on the hame-tug buckled to the tug of the harness.

In the drawings, A is the loop of the buckle, and B is the tongue-plate thereof, having mounted thereon the tongue or stud C. This tongue has a longitudinal slot C' cut centrally therein from its outer end to a point near the base thereof. It has at its outward end projecting shoulders C'', the object of which is to hold the tongue in frictional engagement with the walls of the hole A' in the loop A when the buckle is in its closed position, as shown in Figs. 2, 3, and 4. By means of the longitudinal slot in the upright tongue or stud a yielding engagement is afforded between the pivoted loop A and the stud C, which will

permit the loop to be removed from the stud by a firm outward pull of the loop from the tongue-plate; the device being arranged so that one hand can grasp the loop A and the other the plate B to throw the buckle into the open position, as shown in Fig. 1, from its position as shown in Fig. 4.

I attach my buckle to the hame-tug F in the ordinary manner and employ the ordinary leather loop D, through which the harness-tug E is passed when the same is in place and buckled.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a buckle the combination of a loop A having a hole in the free end thereof to engage a stud on a tongue-plate; a tongue-plate pivotally secured to the loop; a stud or tongue projecting upwardly from the tongue-plate, having a central longitudinal slit therein and also having shoulders thereon to engage the walls of the hole in the free end of the loop.

2. A buckle of the character herein described, comprising a tongue-plate; a projecting tongue thereon having a longitudinal slit therein; shoulders on said tongue adapted to frictionally engage the walls of the hole in the free end of the loop; a swinging loop pivoted on said tongue-plate and having a hole in the free end thereof for the reception and engagement of the stud or tongue on the tongue-plate substantially as herein shown and described.

3. The combination in a buckle of the character herein described, of the tongue-plate B having projecting outwardly therefrom the stud C provided with a central longitudinal slit C' therein and having projecting shoulders C'' on each side of the outer end of the stud; a loop A pivotally secured to said tongue-plate and having in the outer free end thereof an opening A' to receive and engage the shoulders on the stud.

In witness that I claim the foregoing I have hereunto subscribed my name this 31st day of December, 1903.

GEORGE SHOENBERGER.

Witnesses:

HENRY T. HAZARD,
G. E. HARPAM.