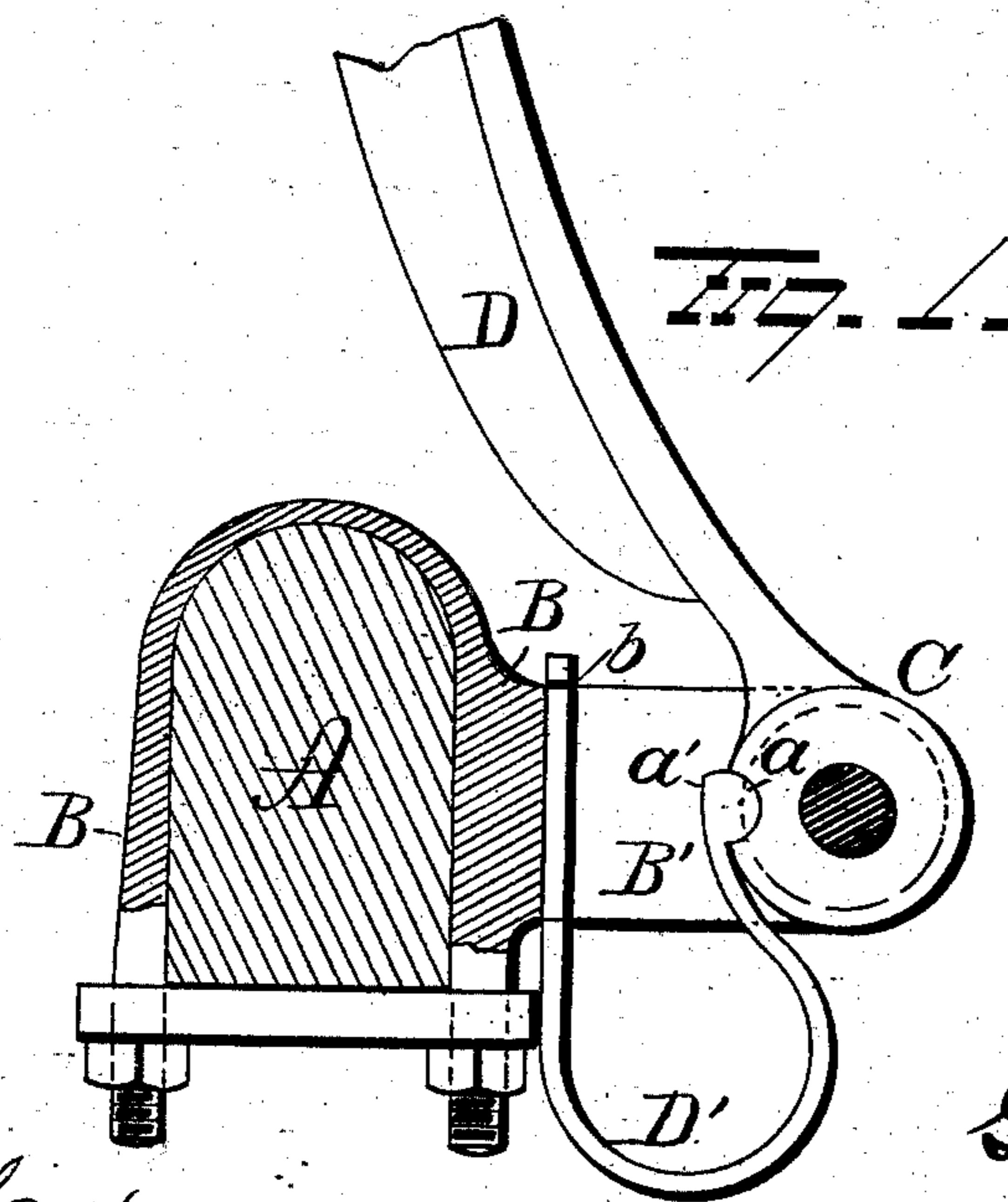
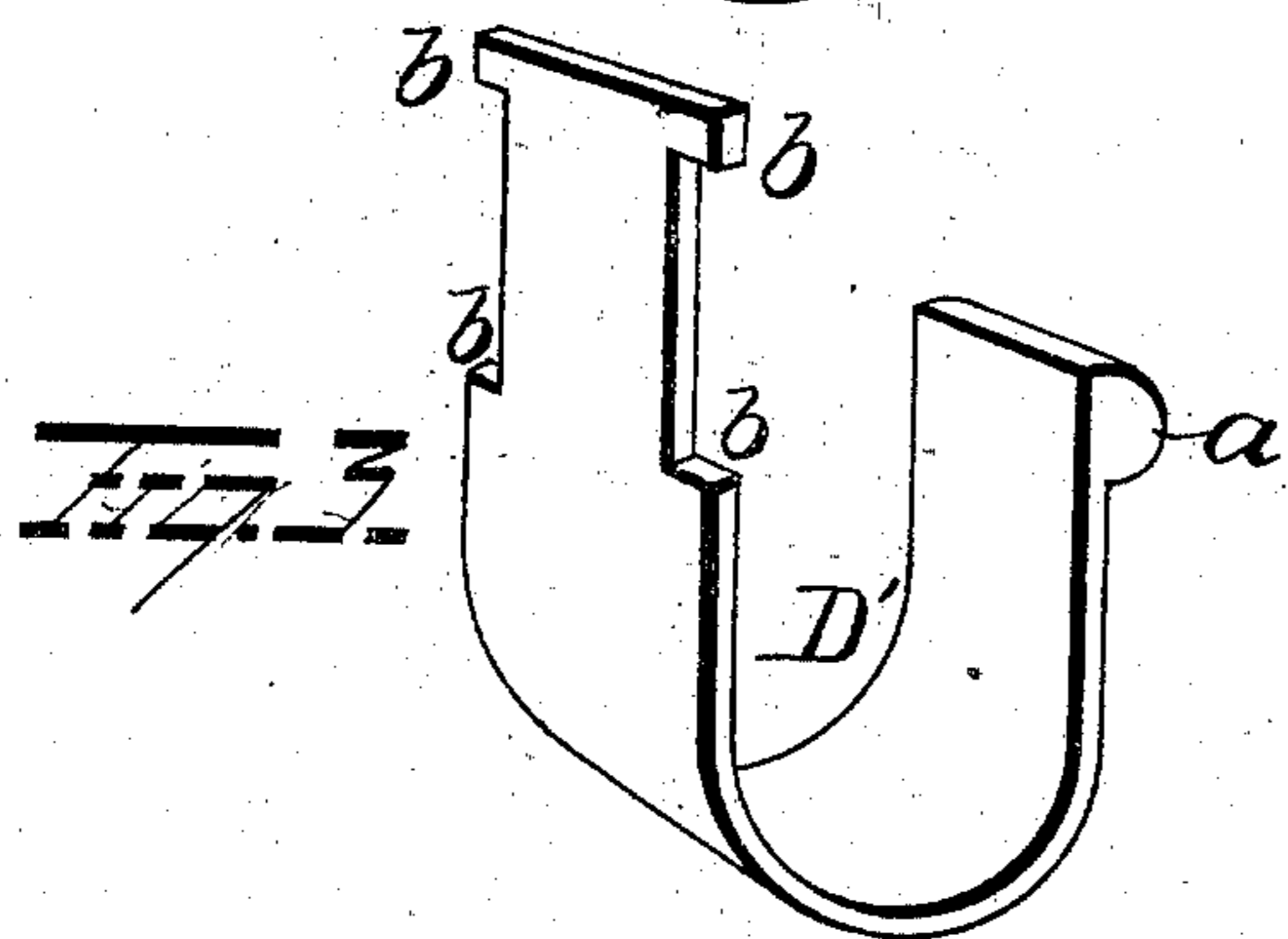
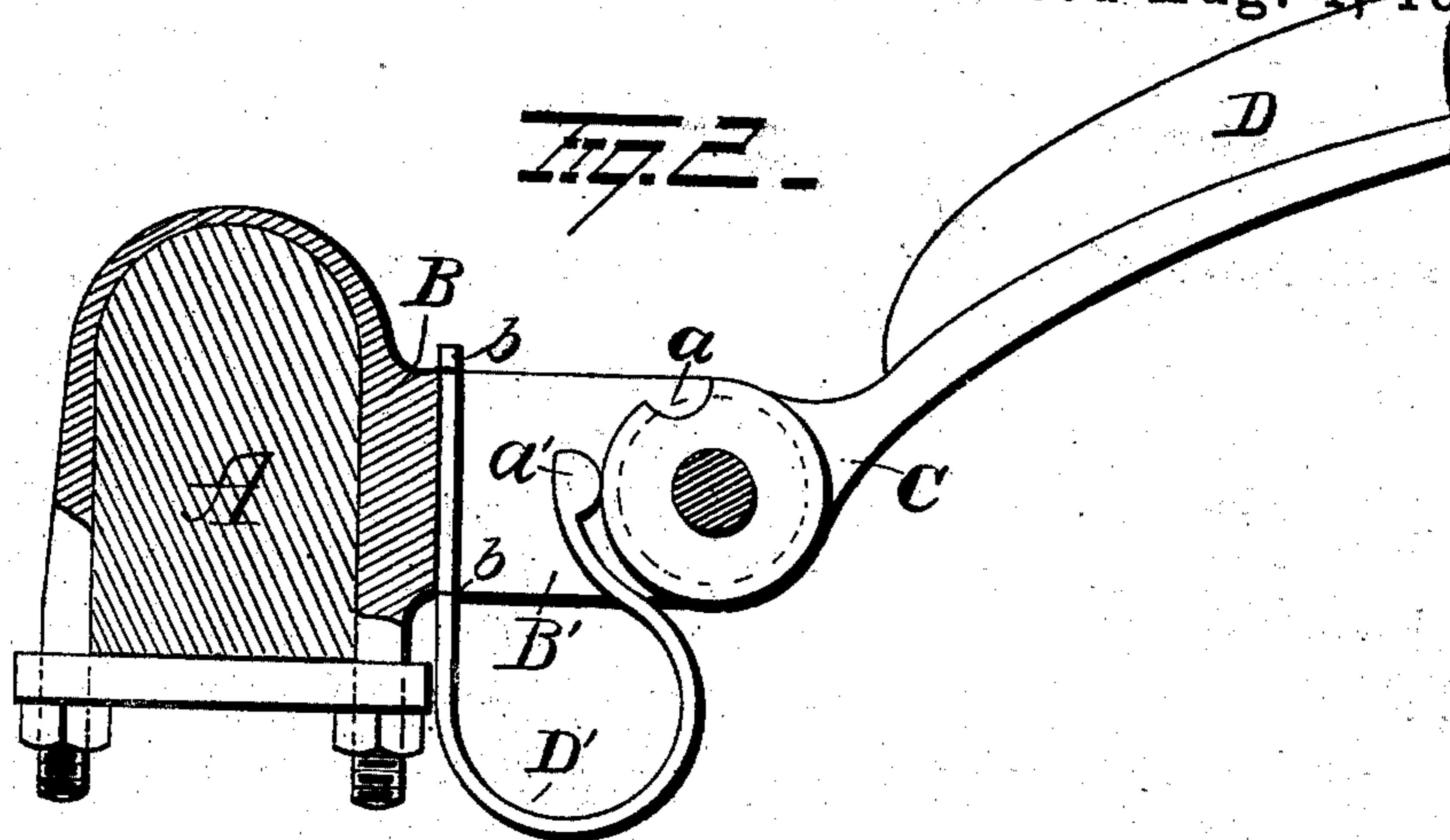


(No Model.)

G. W. POST.  
THILL COUPLING.

No. 502,380.

Patented Aug. 1, 1893.



Witnesses  
*E. Nottingham*  
*G. F. Downing*

Inventor  
*George W. Post*  
By *H. A. Seymour*  
Attorney

# UNITED STATES PATENT OFFICE.

GEORGE W. POST, OF FOND DU LAC, WISCONSIN.

## THILL-COUPLING.

SPECIFICATION forming part of Letters Patent No. 502,380, dated August 1, 1893.

Application filed February 1, 1893. Serial No. 460,533. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. POST, a resident of Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Thill-Couplings; 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 an improvement in thill couplings,—the object of the invention being to construct the device in such manner that the thills will be automatically held in an upright position when it is desired.

A further object is to so construct a thill coupling in such manner that a single spring will be employed for preventing the rattling of the thills and holding the same in an upright position when raised.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings: Figure 1 is a view illustrating my invention, showing the thills raised. Fig. 2 is a similar view showing the thills in working position. Fig. 3 is a detail view of the spring.

A represents an axle, to which the clip B is secured. From the clip B, two arms or ears B' project, and between these the iron C of the thill D is mounted, said thill iron being provided with a curved recess *a*, for a purpose which will be presently explained. A spring D' is inserted between the ears or arms B' of the clip, and provided with shoulders *b*, to project above and below said arms or ears, whereby to prevent its displacement, said spring being adapted to have a square, flat bearing against the clip B, as shown in Figs. 1 and 2. From its point of attachment, the spring D projects downwardly and is then curved upwardly, terminating at its free end at a point preferably in line with the axis of the thill iron, where it is provided with a curved knob or enlargement *a'*, adapted, when the thill is raised, to enter the curved recess *a* in the thill iron C, and thus retain the thill in its elevated position, as shown in Fig. 1. When the thill is in working position, as shown in Fig. 2, the knob or projection *a'* of the spring D, will ride on the

curved face of the thill iron and thus prevent the thill iron from rattling.

It is of course to be understood that both the thills of a vehicle will be provided with these devices.

It is not absolutely essential that the recess *a* and the knob or enlargement *a'* be curved, as they may be V-shaped or conical, without materially affecting the functions of the device.

The device above described is exceedingly simple in construction, cheap to manufacture and effectual in the performance of its functions.

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

1. The combination with a clip, and thill iron adapted to be attached to the clip, of a spring the ends of which are approximately parallel with each other and adapted to be inserted between and bear outwardly against the clip and the thill iron, and one end of the spring provided with a projection adapted to enter a notch in the thill iron whereby the latter is locked against turning, substantially as set forth.

2. In a thill coupling, the combination with a clip, and a thill iron having a notch formed therein, of a detachable spring, said spring having shoulders thereon adapted to overlap the upper and lower edges of the arms or ears of the clip and the opposite end provided with a projection adapted to enter the notch in the thill iron, whereby to hold the thill iron in an elevated position, substantially as set forth.

3. In a thill coupling, the combination with a clip and arms or ears projecting therefrom, of a thill iron mounted between said arms or ears and having a recess therein, a spring located between the arms or ears of the clip and having shoulders to project over and under the same, and a knob or enlargement at the free end of said spring adapted to enter the recess in the thill iron, substantially as set forth.

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

GEO. W. POST.

Witnesses:

B. L. SHEPARD,  
FRANK J. WOLFF.