

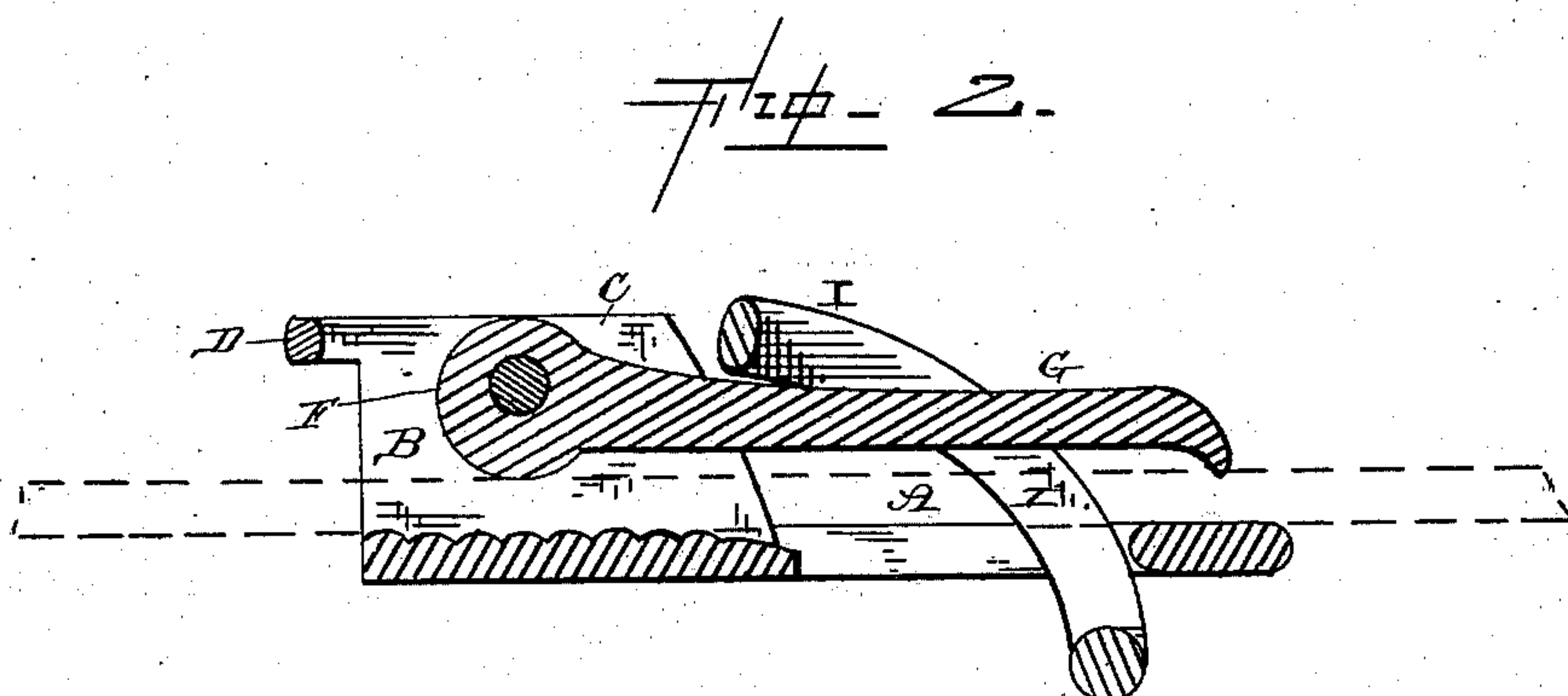
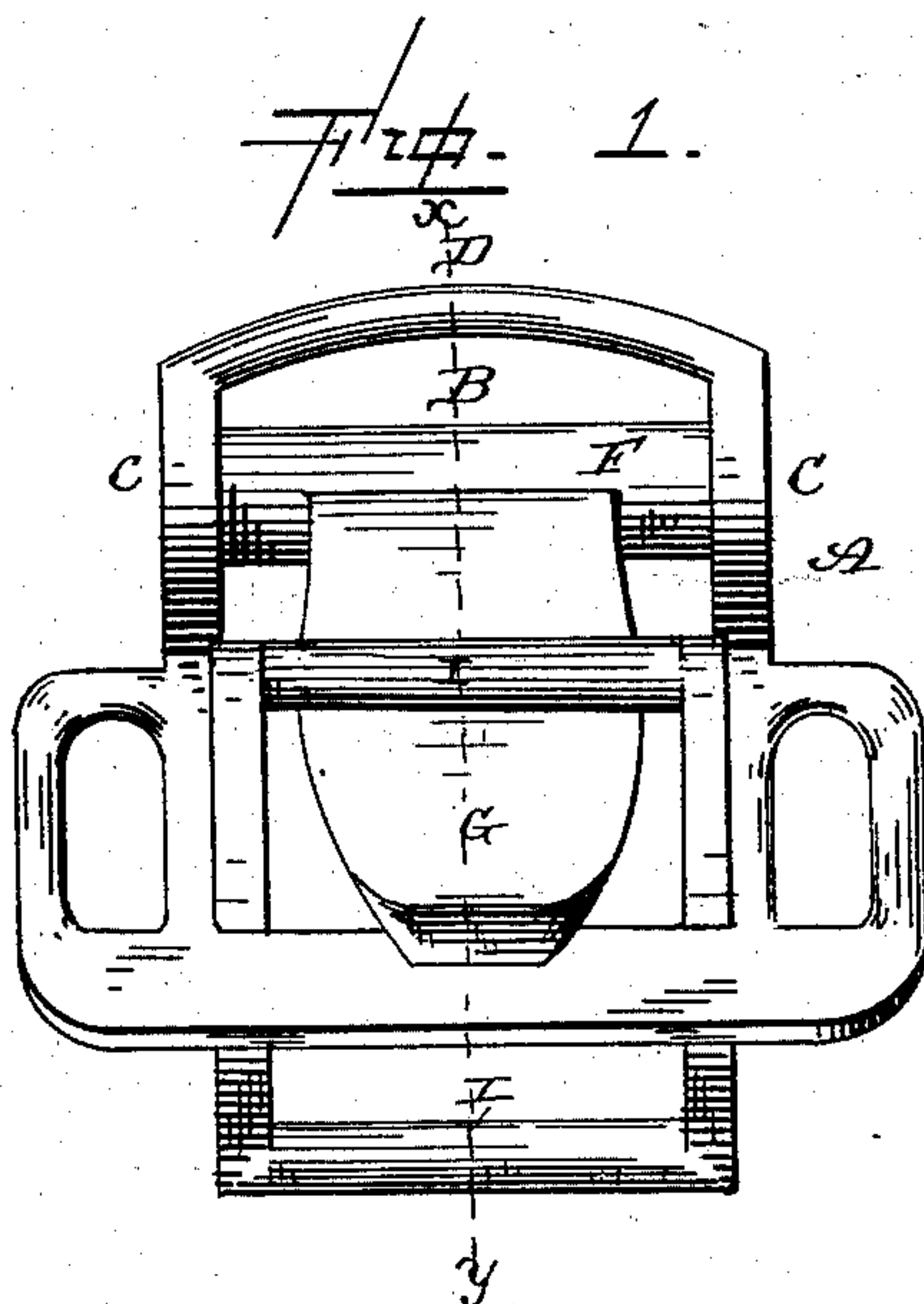
(No Model.)

R. K. BURT.

TUG BUCKLE.

No. 282,267.

Patented July 31, 1883.



— WITNESSES. —

Louis F. Gardner

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UNITED STATES PATENT OFFICE.

RANSOM K. BURT, OF MARSHALLTOWN, IOWA.

TUG-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 282,267, dated July 31, 1883.

Application filed May 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, RANSOM K. BURT, of Marshalltown, in the county of Marshall and State of Iowa, have invented certain new and useful Improvements in Tug-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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in tug-buckles; and it consists in the combination, with a tug-buckle, of an eccentric or other clamping device and a stirrup, as will be more fully described hereinafter.

The object of my invention is to combine a tug-buckle with a clamping device that will connect the buckle and tug together without having to cut holes in the tug, and thereby weaken it.

In the accompanying drawings, Figure 1 is a plan view of a buckle embodying my invention complete. Fig. 2 is a vertical section of the same, taken upon the lines *x y* of Fig. 1.

A represents a tongueless tug-buckle, which has the extension B formed on its rear end, and from opposite edges of which rise the flanges C, which are connected together by the cross-brace D. These flanges serve not only as a means of keeping the tug or trace in position upon the buckle, but also as a means for securing the locking-cam in position. The top of the extension is roughened in any manner, for the purpose of taking a firm hold on the tug. Pivoted between the flanges C is the eccentric F, which serves to

clamp the tug down on the extension, and thus secure the two parts together without the help of tongues or other similar appliances. Formed with this eccentric is the lever G, by means of which the eccentric is operated, and which is long enough to have its outer end rest on the front end of the buckle. The hame-tug has its rear end sewed to the stirrup I. The tug has its end passed in between the extension and the eccentric, while the eccentric is turned back, and then forced forward through the buckle and the stirrup I, which has been passed up through the opening in the front end of the buckle. When the tug has been adjusted in position, the slightest pull upon the lower end of the stirrup, which is made to catch over the top of the lever G, and to which the hame-tug is attached, draws the lever down in position, as shown in Fig. 2. The tug is then held by the cam F and sharpened point of the lever G. In this manner the tug is fastened to the hame-tug without the use of tongues, and without the necessity of weakening the tug by cutting holes in it.

Having thus described my invention, I claim—

A tug-buckle composed of a buckle, A, having the flanges C, the eccentric F G, and the stirrup I, substantially as shown and described.

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

RANSOM K. BURT.

Witnesses:

A. S. DAY,
C. A. DAY.