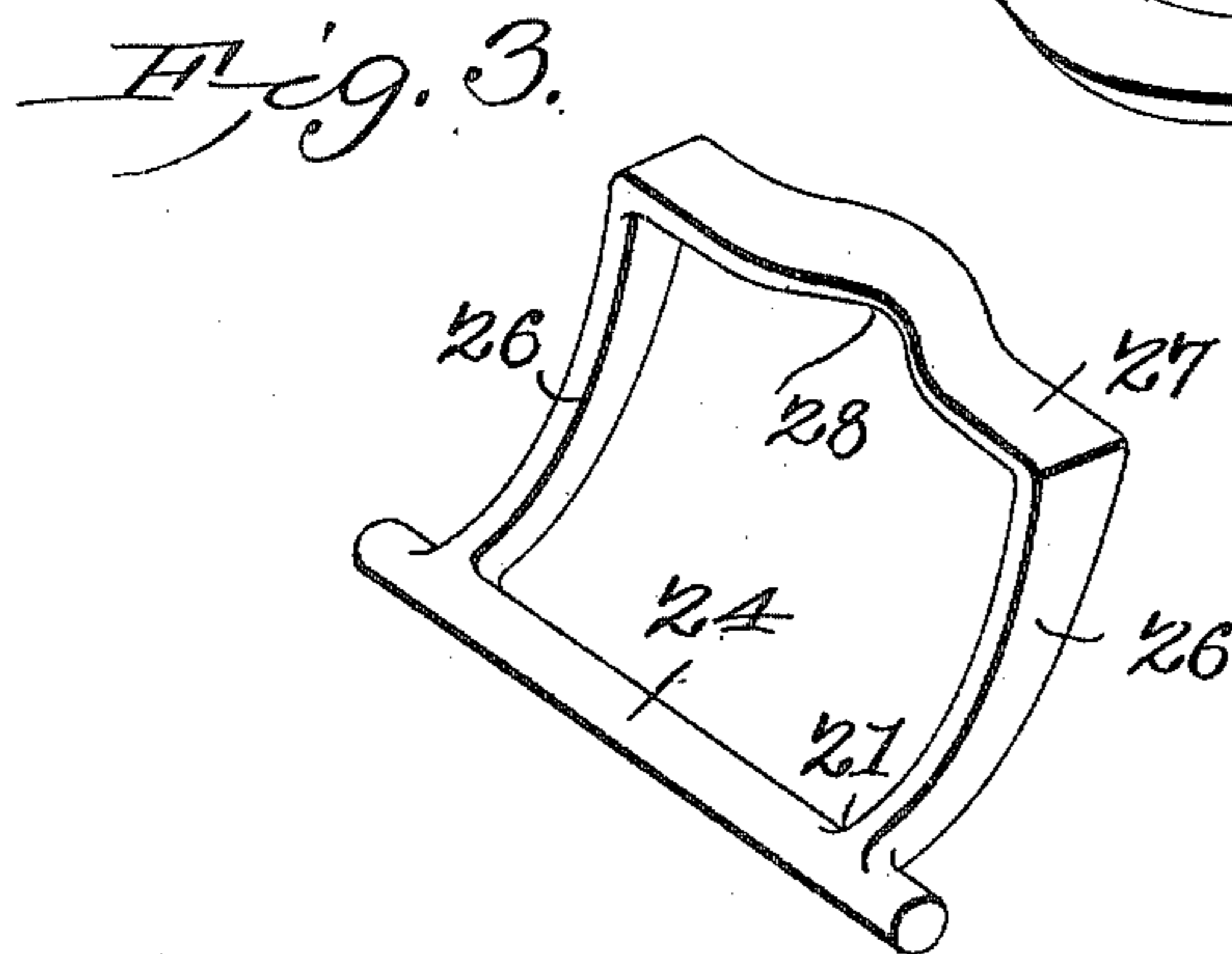
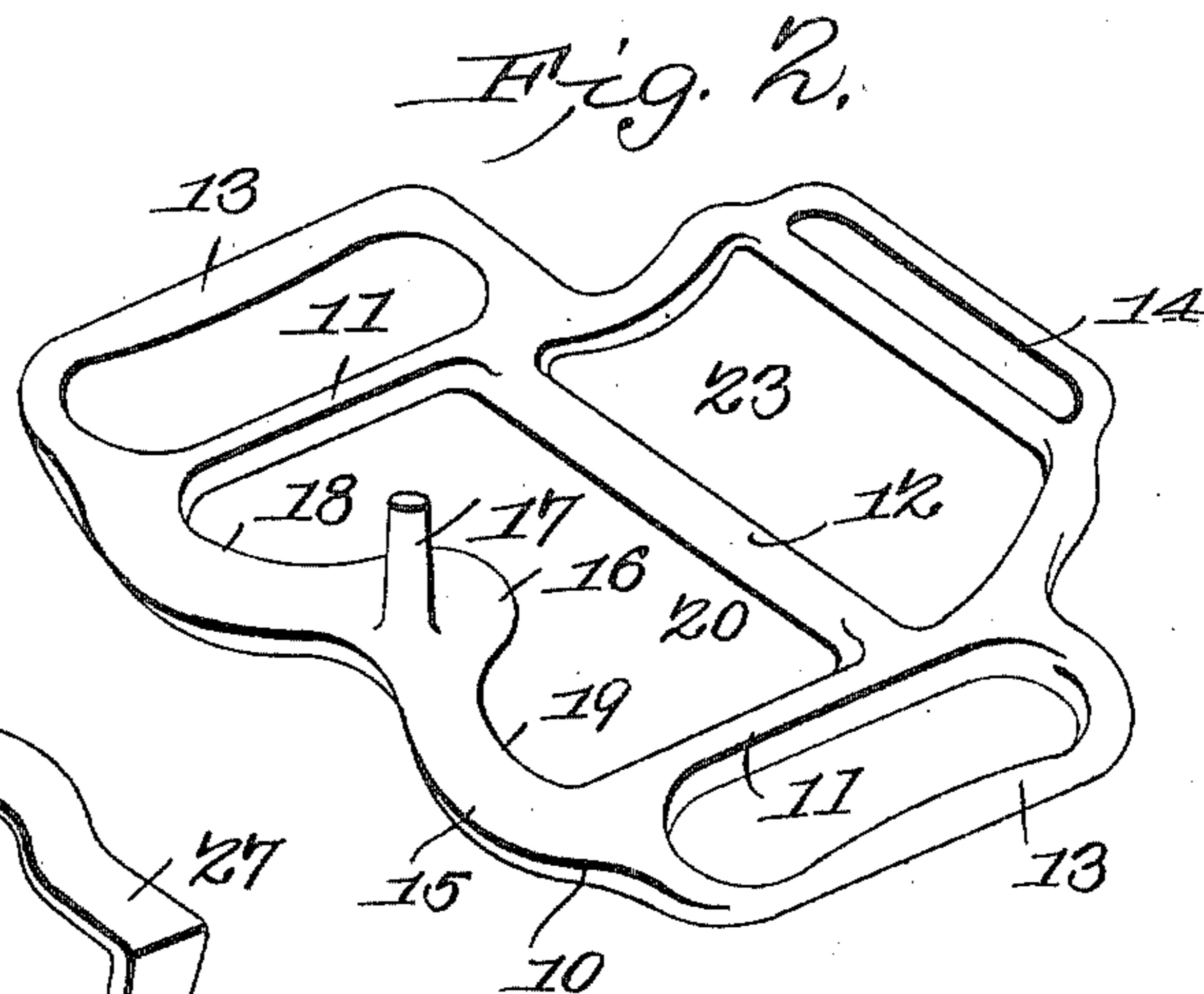
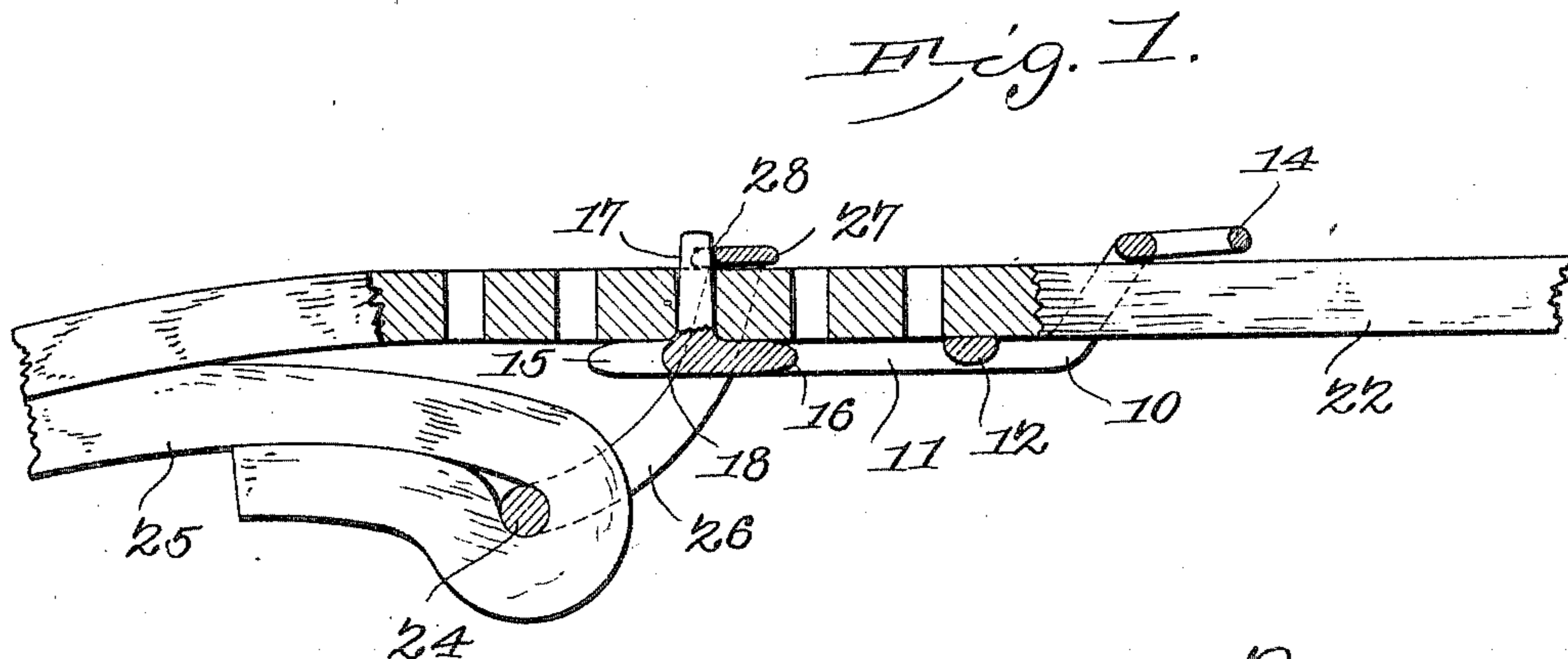


No. 811,548.

PATENTED FEB. 6, 1906.

J. J. CREEDON.
BUCKLE.

APPLICATION FILED JULY 31, 1905.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN J. CREEDON, OF MOLINE, ILLINOIS.

BUCKLE.

No. 811,548.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed July 31, 1905. Serial No. 272,005.

To all whom it may concern:

Be it known that I, JOHN J. CREEDON, a citizen of the United States, residing at Moline, in the county of Rock Island and State of Illinois, have invented a new and useful Buckle, of which the following is a specification.

This invention relates to buckles, and especially to those buckles used upon harness to connect the hame-tug and trace.

It is well known that the buckle having a trace-embracing bail presents features of convenience and reliability not found in trace-buckles of other forms.

It is an object of this invention to provide a trace-buckle embodying a bail, but with the buckle frame and bail so formed that the bail will not loop and break the trace and pull it through the buckle-frame.

It is a further object of the invention to provide a trace-buckle embodying other new and improved features of cheapness, reliability and durability.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter fully described, shown in the accompanying drawings, and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a longitudinal sectional view of the improved trace-buckle. Fig. 2 is a perspective view of the frame member of the improved buckle. Fig. 3 is a perspective view of the tug-bail.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In its preferred embodiment the trace-buckle forming the subject-matter of this application comprises a frame member, (shown as a whole at 10) and comprising the straight side bars 11, connected by the end bars 12 and 15, said frame being provided with the usual loops 13 for the reception of the back and girth straps, respectively, and the loop 14, adapted to receive the breeching-strap. The end bar 15 is relatively wide and flat, and the central portion thereof is provided with a rearwardly-projecting lug 16, defining oppositely-disposed recesses 18 and 19, the

walls of which are curved, as shown. Projecting from the lug 16 is a vertically-disposed stud or tongue 17, which extends a short distance beyond or in advance of the curved walls of the recesses 18 and 19.

Through the aperture 20 in the frame 10 is inserted the tug-bail, (shown as a whole at 21,) and threaded through said bail is a trace 22, which passes through the aperture 23 and beneath the breeching-loop 14. The tug-bail comprises a cross head or bar 24, to which is secured a hame-tug 25, said bar being provided with integral curved arms 26, connected by a flat cross-bar 27, one edge of which is formed with an intermediate recess 28 for the reception of the stud or tongue 17, so that when the several parts comprising the buckle are assembled the stud will engage the recess 28 and the arms 26 the recesses 18 and 19, respectively.

Attention is called to the fact that by having the free end of the rearwardly-projecting lug 16 extending beyond the tongue said lug forms a bearing-surface for the trace, causing the latter to be securely clamped between the free end of the lug and the cross-bar 27 of the tug-bail 21 when the latter is in position. It will thus be seen that the arms 26 being seated in the recesses 18 and 19, with the stud bearing against the bar 27 at the intermediate recess 28, the strain of the hame-tug will be carried wholly upon the bar 15, and said tug will be prevented from drawing the trace through the aperture 20, while the cross-bar 27 is nevertheless carried in the most desirable position between the stud and the rear bar 12.

Having thus described the invention, what is claimed is—

In a buckle and trace, a frame having spaced side bars connected by end bars one of which is provided with a central rearwardly-extending lug having a flat bearing-surface and defining oppositely-disposed recesses the walls of which are curved, a vertically-disposed tongue spaced from the free end of the lug and adapted to engage one of the openings in the trace, a tug-bail extending through an opening in the frame and embracing the trace and having a cross-bar rest-

ing on the trace and provided in one edge thereof with a centrally-disposed recess for the reception of the tongue, and curved arms carried by the tug-bail and adapted to engage the curved walls of the recesses, whereby the trace will be securely clamped between the cross-bar and the flat bearing-surface at the free end of the rearwardly-extending lug.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN J. CREEDON.

Witnesses:

CHARLES J. COOPER,
EVA STANTON.