

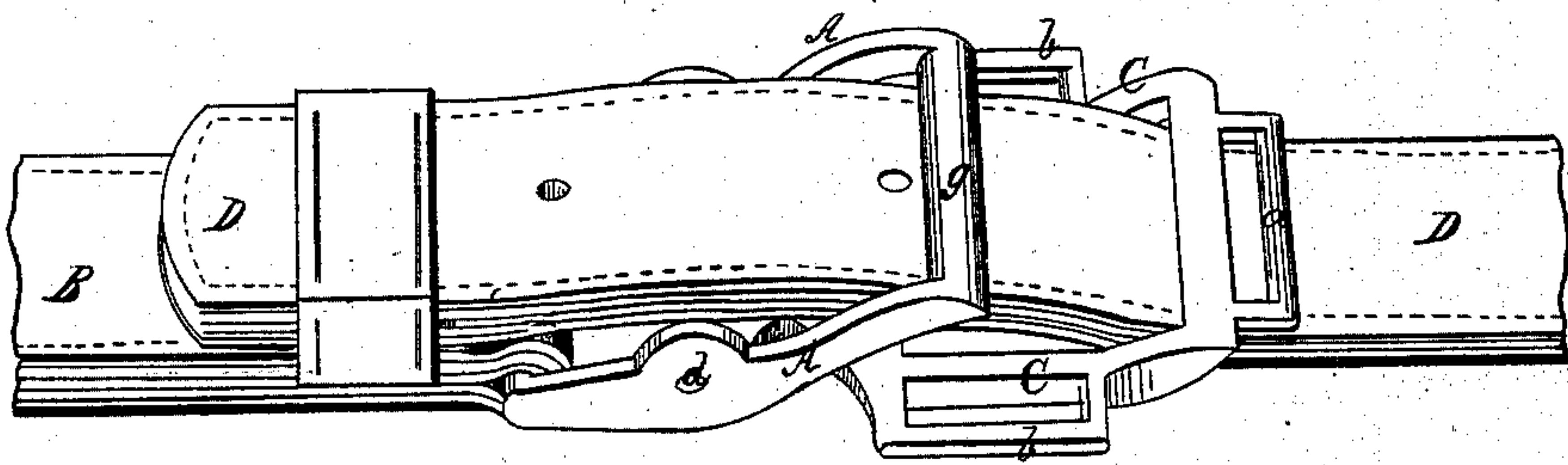
*C. Schwann,*

*Buckle,*

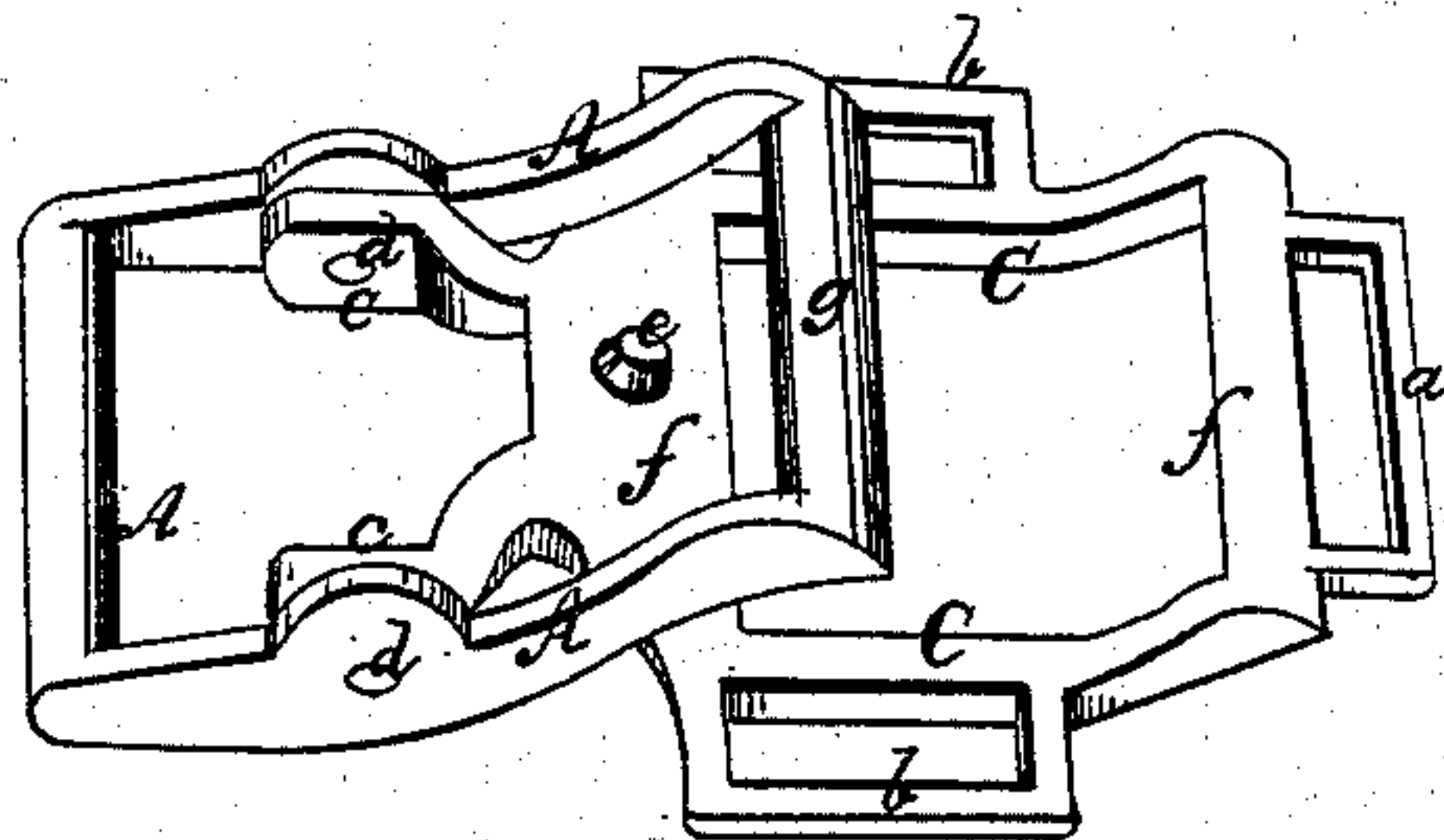
*Nº 68,796.*

*Patented Sep. 10, 1867.*

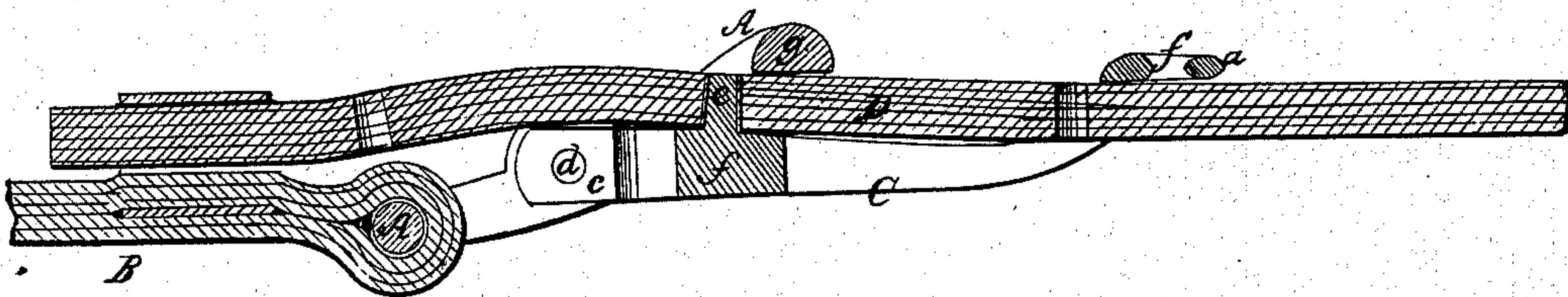
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*

*R. T. Campbell*  
*Edw. Schaper*

*Inventor.*

*C. Schwann*  
*by his Agents*  
*Marion, Herrick & Haurin*

# United States Patent Office.

C. SCHWANER, OF KEOKUK, IOWA.

*Letters Patent No. 68,796, dated September 10, 1867.*

## IMPROVED TRACE-BUCKLE.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, C. SCHWANER, of Keokuk, in the county of Lee, State of Iowa, have invented a new Trace-Buckle; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the improved buckle applied to a trace and hame-strap.

Figure 2 is a view of the buckle detached from the straps.

Figure 3 is a longitudinal section through the improved buckle and straps.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to a new and improved buckle, which is designed particularly for the use of traces. It consists in the combination of a stationary tongue or hinged clamp so constructed as to afford a firmer hold and safer attachment than buckles which have hinged or pivoted tongues, as will be hereinafter described.

To enable others skilled in the art to understand my invention, I will describe its construction and operation.

In the accompanying drawings, A represents a rectangular clamping-frame, which is secured to the hame-tug B; and C represents that portion of the buckle-frame which has the tongue formed on it, and through which the trace-strap D is passed. This frame C has a tongue or stud, *e*, formed upon its outer surface, near its pivoted end, and in the middle of its width, which tongue is slightly tapering, and of such length as to pass through the holes which are made through the trace, as shown in fig. 3. The free end of the frame C is curved outward sufficiently to allow the trace to lie flatly against the transverse portions *ff* when passed through this frame, as shown in fig. 3. The frame A, to which frame C is pivoted, is constructed of the curved form shown in figs. 1, 2, and 3, with a flattened transverse clamping-bar, *g*, which extends across the frame C, so as to press upon the trace D in rear of and near the tongue *e*. This frame A is pivoted to frame C, and constructed in such manner that when the trace is under tension the bar *g* will be forcibly pressed against the trace, and thus serve, in conjunction with the tongue *e* on frame C, to firmly confine the trace. The clamping action of the bar *g* of frame A not only prevents the trace from slipping off the tongue *e*, but also grips the trace in rear of this tongue, so that enlargement or tearing out of the trace at the holes is prevented.

It will be seen from the above description that I have a trace-buckle, which consists of but two parts, pivoted together and so formed as to afford a combined tongue and clamp-fastening for straps. The buckle is also so constructed as to admit of a ready attachment and detachment of the trace when it is not under tension.

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

The manner substantially as herein described and shown of constructing and arranging the two curved hinged frames constituting the buckle, in combination with clamp *g* and holding-tongue *e*.

C. SCHWANER.

Witnesses:

EDW'D MUMM,  
C. B. VAN GENT.