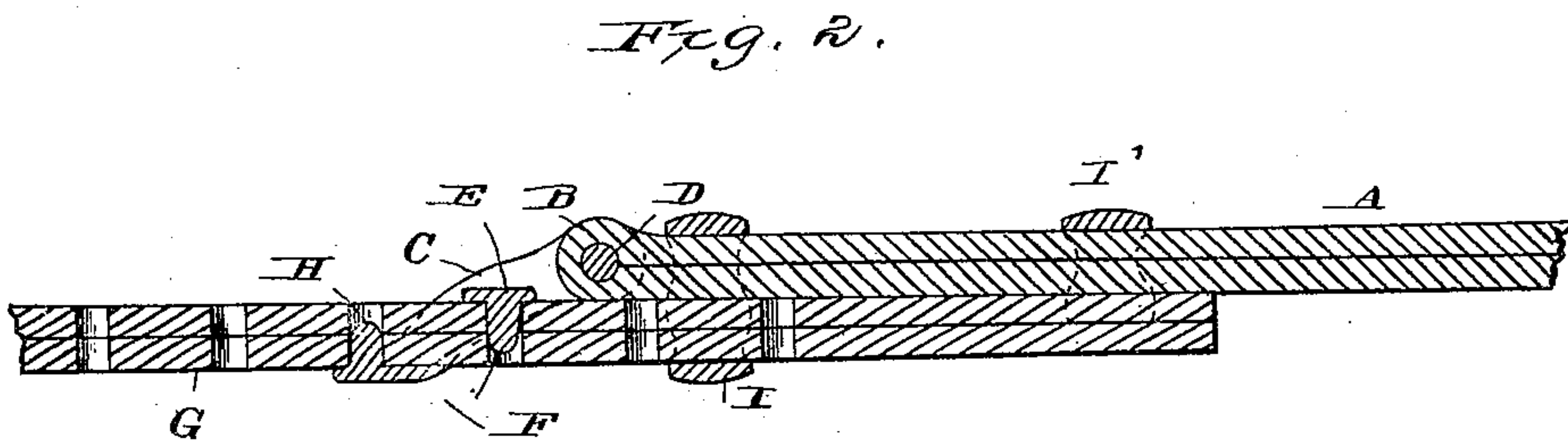
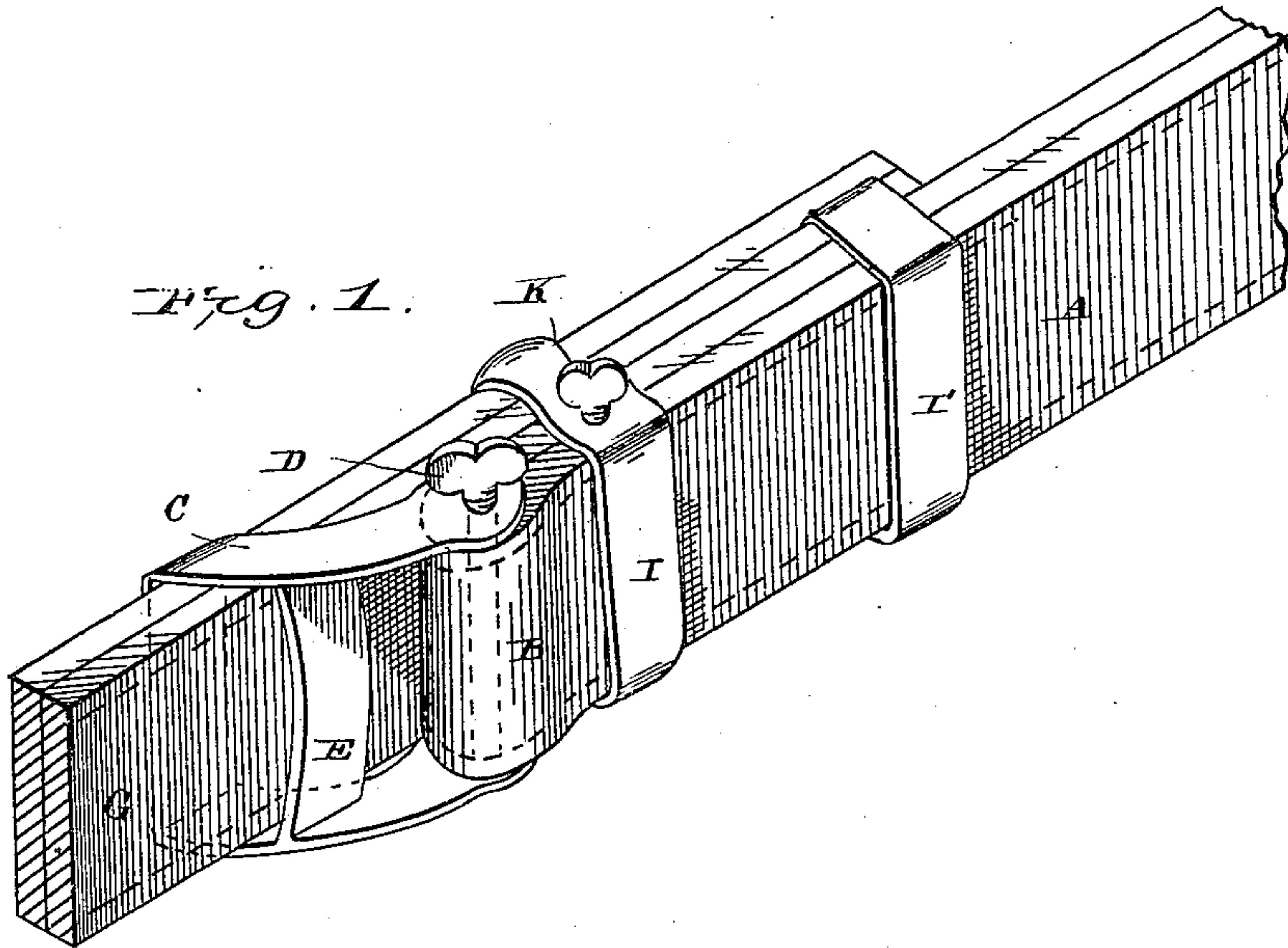


(No Model.)

J. B. WOOLSEY.  
TRACE BUCKLE.

No. 270,534.

Patented Jan. 9, 1883.



Witnesses,  
Edwin L. Gerrell.  
H. A. Souleiman

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Attorney.

# UNITED STATES PATENT OFFICE.

JOHN B. WOOLSEY, OF BLOOMFIELD, IOWA.

## TRACE-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 270,534, dated January 9, 1883.

Application filed May 20, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN B. WOOLSEY, of Bloomfield, in the county of Davis, and in the State of Iowa, have invented certain new and  
5 useful Improvements in Trace-Tug Buckles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked there-  
10 on, making a part of this specification.

This invention has for its objects to provide certain improved coupling devices, whereby the hame and trace-tugs may be conveniently and securely fastened together, as more fully  
15 hereinafter specified. These objects I accomplish by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view, showing my invention; and Fig. 2 represents a longitudinal sectional view, showing my improved coupling devices.

The letter A indicates the trace-strap, which is provided with a loop, B, at one end, as indicated in the drawings.

25 The letter C indicates a metallic frame, which embraces the looped portion of the trace strap, as shown, and which is secured thereto by means of a transverse screw, D, passing through the looped portion of the strap. The  
30 said frame is provided, about midway between its connecting-points with the trace-strap and its lower edge, with a transverse bar, E, which is provided with a lug or tongue, F, adapted to engage one of a series of apertures in the  
35 hame-tug G, the lower bar of the frame being provided with a tongue or lug, H, which is

also designed to engage one of the apertures just above mentioned, and operate in connection with the tongue or lug F, to secure the tug and trace strap together.

The letter I indicates an adjustable metallic frame or clasp, which embraces the adjoining parts of the trace and tug straps, and holds them together in connection with the coupling devices before mentioned. The frame or clasp  
45 is provided with a thumb-screw, K, at one side, by means of which it can be tightened upon the straps in order to hold the contiguous parts properly. The frame C may also be tightened laterally by means of the screw-bolt, when de-  
50 sired.

The letter I' indicates a metallic strap, which secures the end of the tug-strap to the trace.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, 55 is—

The combination, with the trace strap looped at one end, of the frame secured thereto by a transverse screw-bolt, and provided with a transverse bar, the said bar and lower side of  
60 the frame being provided with lugs or tongues adapted to engage apertures in the tug-strap, and the adjustable frame or clasp and its binding-screw, substantially as specified.

In testimony whereof I affix my signature, in  
65 presence of two witnesses, this 29th day of April, 1882.

J. B. WOOLSEY.

Witnesses:

J. WALLACE,  
WILLIAM VOTAW.