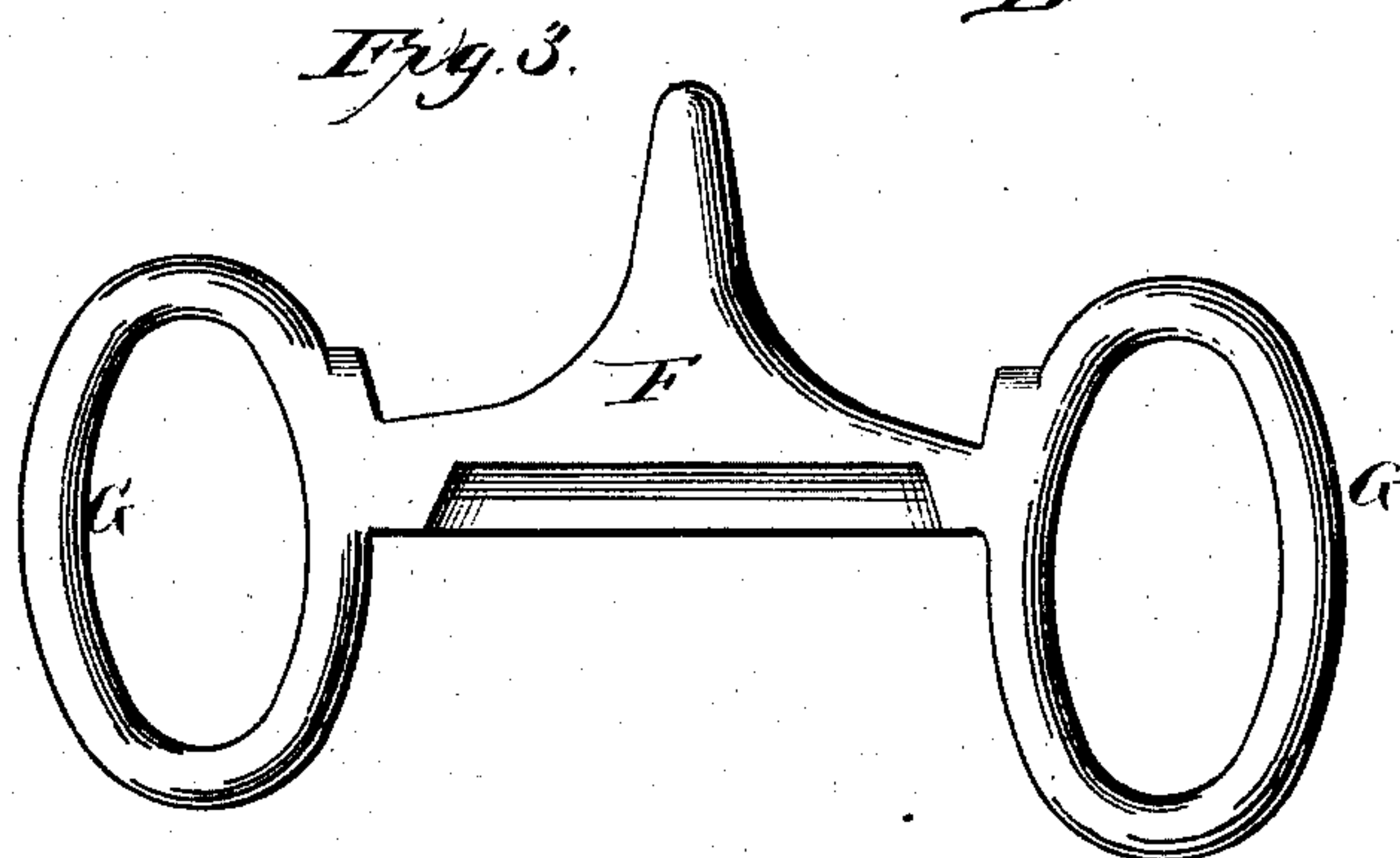
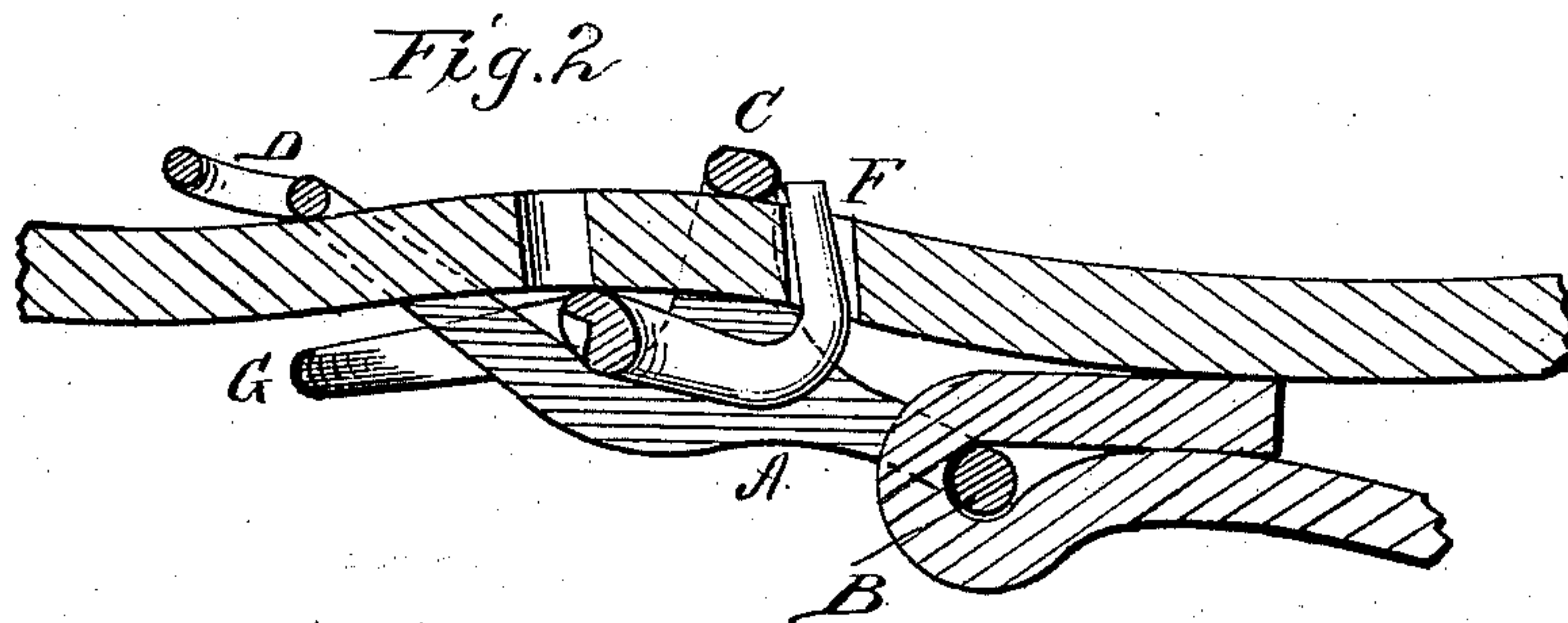
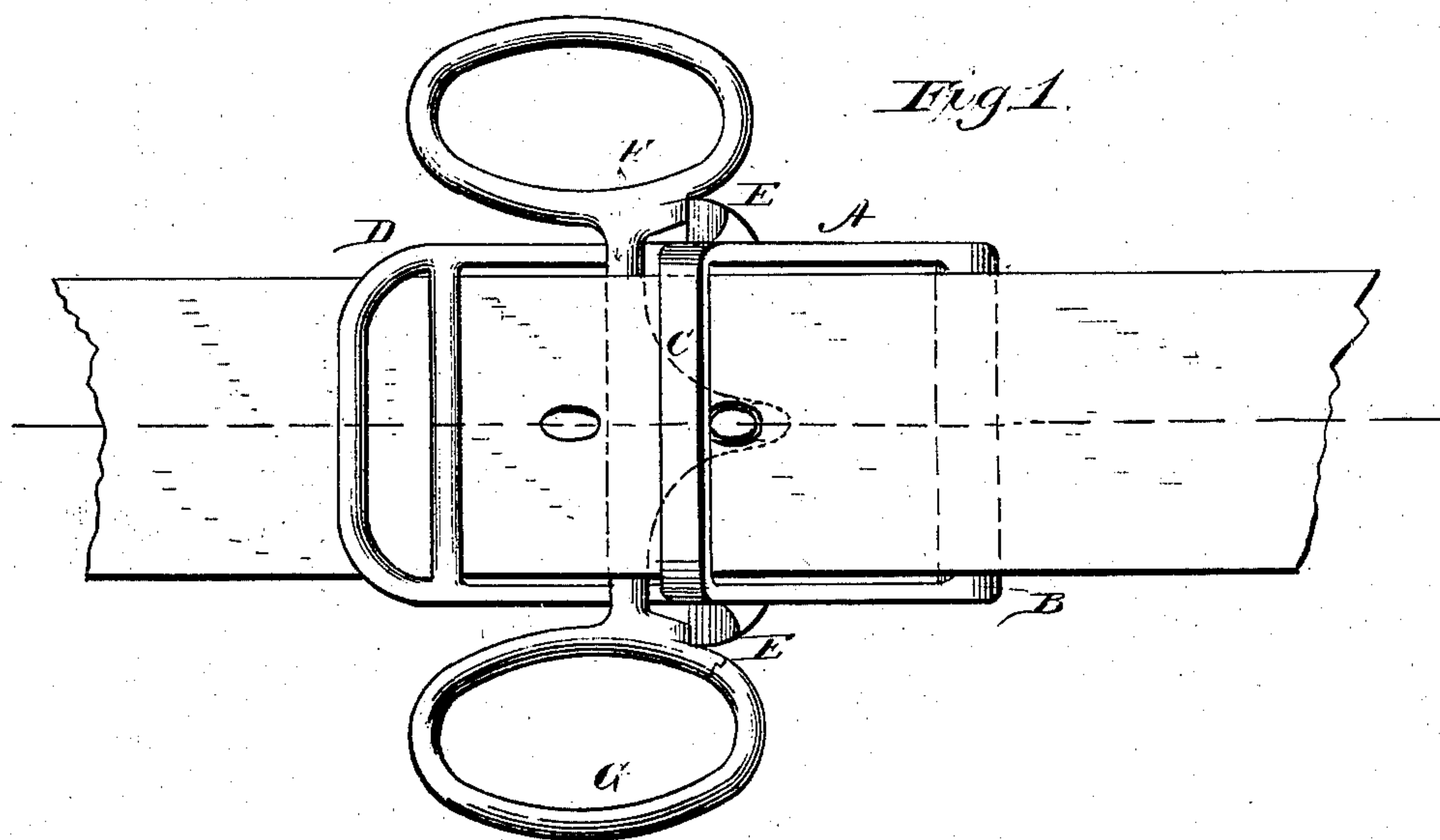


(Model.)

J. S. NELSON.
Tug Buckle.

No. 241,403.

Patented May 10, 1881.



Witnesses.
Frank L. Curand
J. J. Mc Carthy.

Inventor.
J. S. Nelson.
By Alexander Watson
att

UNITED STATES PATENT OFFICE.

JAMES S. NELSON, OF SPRINGFIELD, OHIO, ASSIGNOR TO OLIVER H. ANDERSON, OF SAME PLACE.

TUG-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 241,403, dated May 10, 1881.

Application filed January 4, 1881. (Model.)

To all whom it may concern:

Be it known that I, J. S. NELSON, of Springfield, in the county of Clarke, and in the State of Ohio, have invented certain new and useful Improvements in 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 thereon, making a part of this specification.

This invention relates to certain improvements in tug-buckles for harness; and it has for its objects to relieve the tongue of the buckle, to as great an extent as possible, of the strain usually brought to bear upon it, and obviate the liability of the tug tearing the strap, and to provide a buckle that may readily be secured to and adjusted upon the harness without sewing, as more fully hereinafter specified. These objects I attain by the devices illustrated in the accompanying drawings, in which—

Figure 1 represents a top view of my improved buckle applied to a strap. Fig. 2 represents a sectional view of my improved buckle; and Fig. 3 represents a detached view of a portion of the buckle.

The letter A indicates the frame of the buckle, which is provided at its forward end with a transverse draft-bar, B, around which the hame-tug is to be secured. The said frame is also provided with a central transverse bar, C, which forms a bearing for the tongue. At the rear of the frame is formed a loop, D, for the retention of the breeching or holdback-strap. Midway between the front and rear ends of the

buckle-frame are located two recesses, E E, one at each side of the frame, which form seats for the loose tongue-bar F. The said tongue-bar at its ends is formed with loops G, for the reception of the back and belly bands. By means of these loops the tongue-bar can be turned conveniently in its seats to release the tongue from the aperture in the strap.

The operation of my invention will be readily understood in connection with the above description. The cross-bar at the forward end is secured to the tug-strap in any convenient manner, and the end of the strap to be secured is fastened by drawing said strap through the buckle, as indicated in Fig. 2, and passing the tongue through one of the apertures in said strap.

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

The tug-buckle consisting of the frame A, provided with transverse draft-bar B, central transverse bar, C, and loop D, and having recesses E E, forming seats, in which are located the opposite sides of the tongue-bar F, the said bar being provided at its extremities with loops G, substantially as and for the purposes specified.

In testimony that I claim the foregoing I have hereunto set my hand this 24th day of December, 1880.

JAMES S. NELSON.

Witnesses:

M. T. BURNHAM,
WM. R. HORNER.