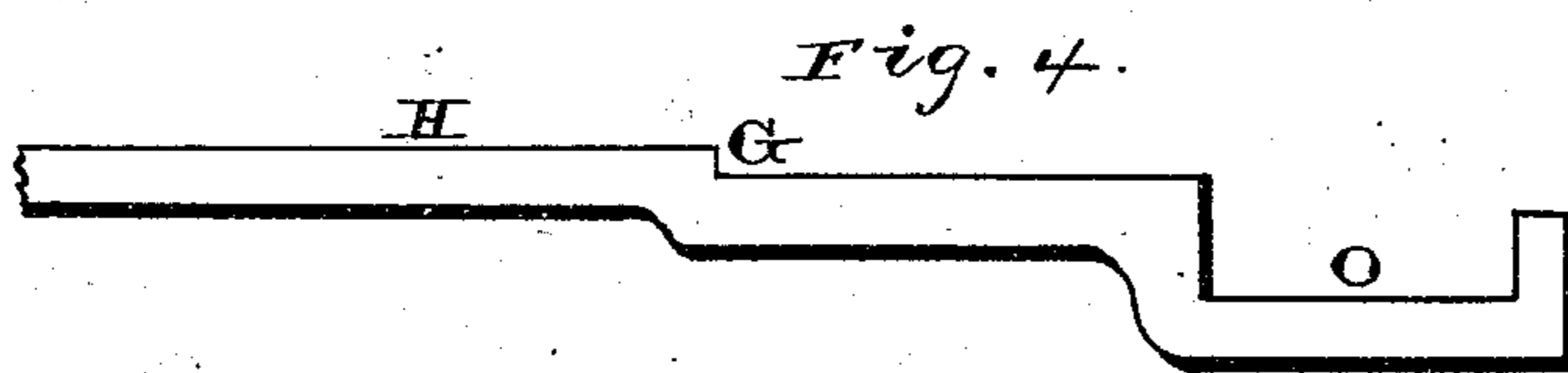
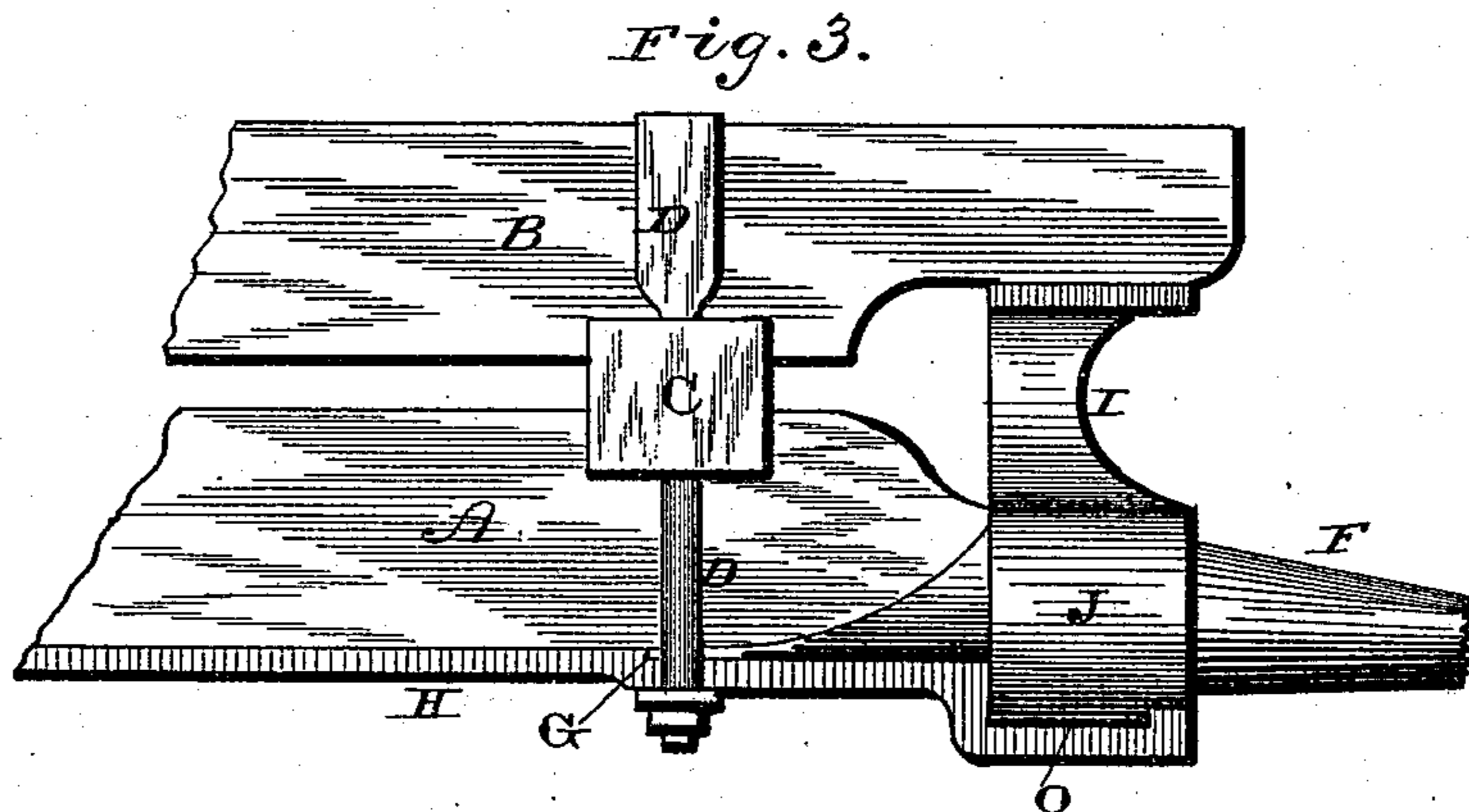
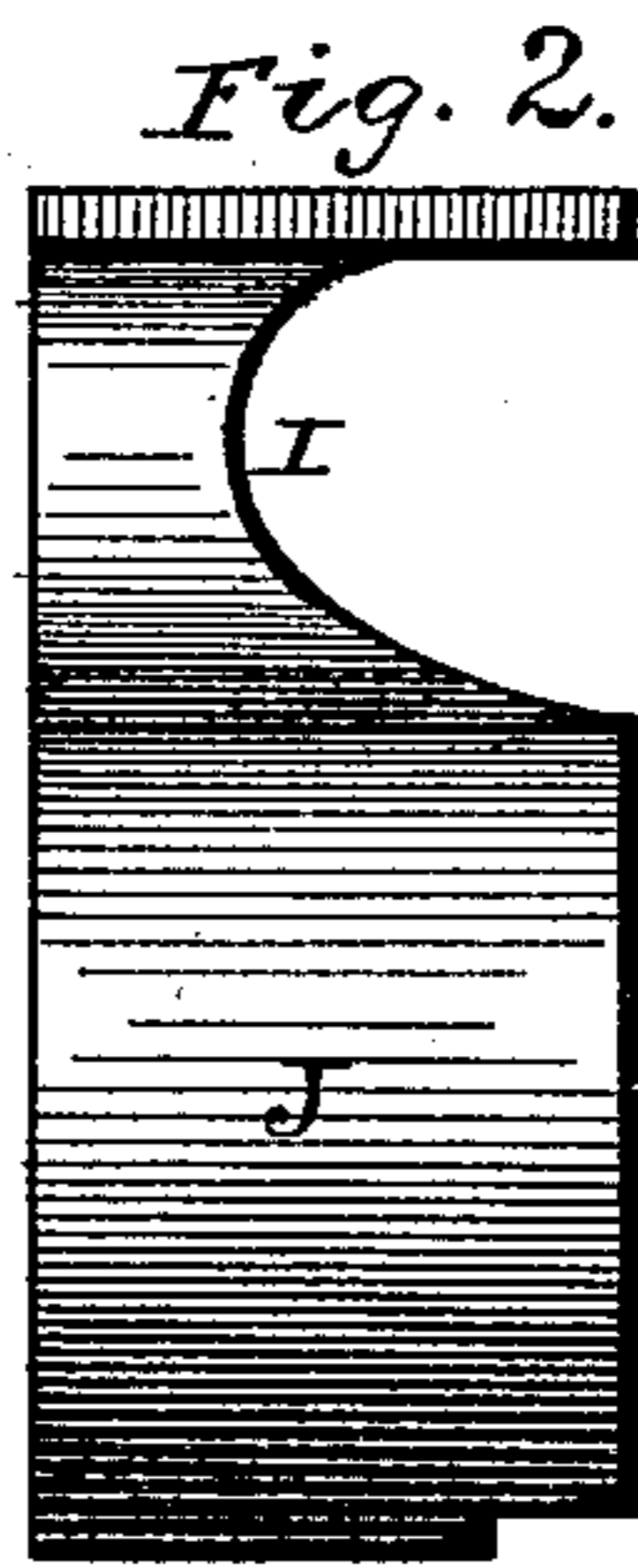
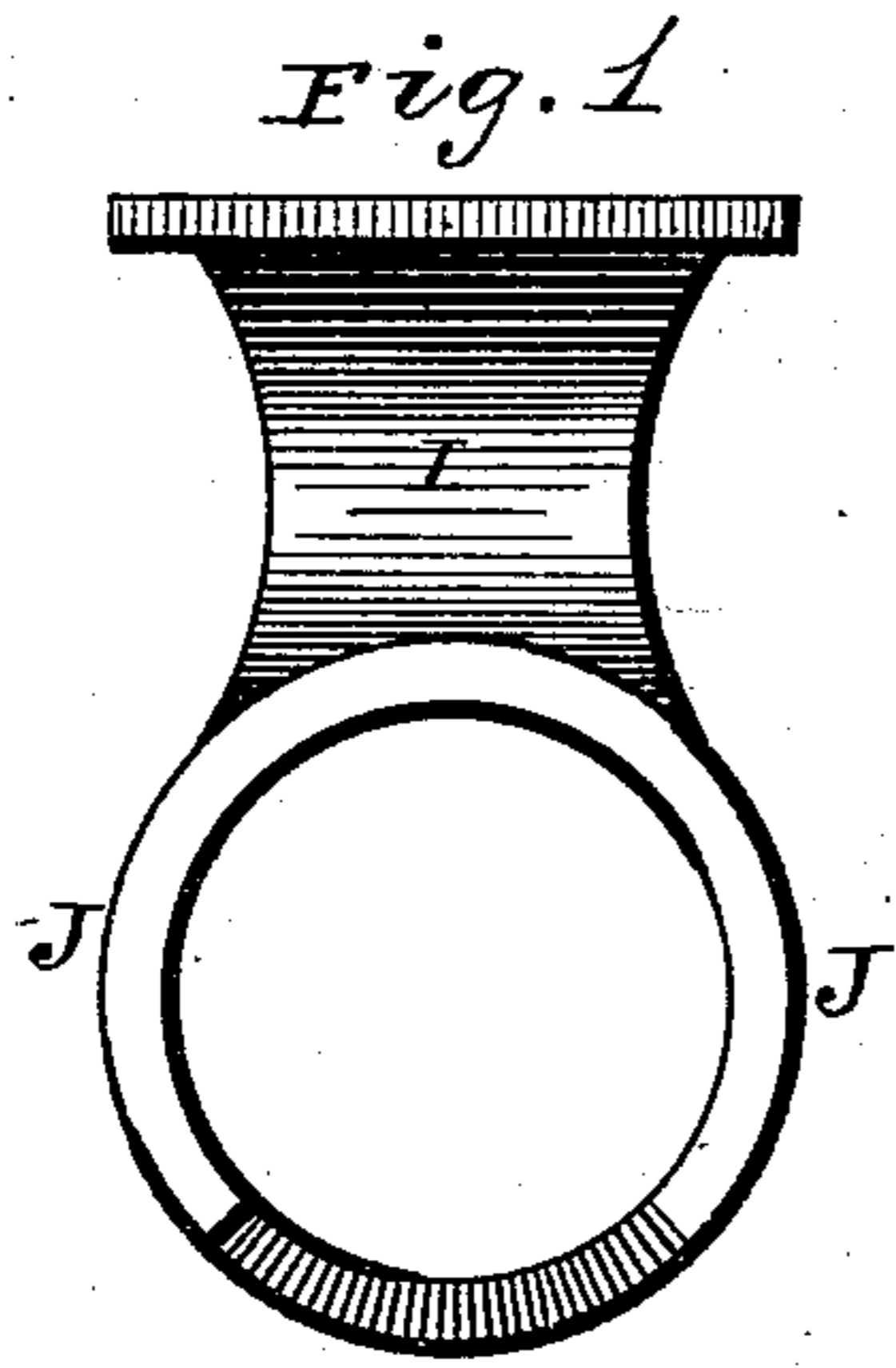


(No Model.)

C. MILLER.  
AXLE AND SKEIN SUPPORT FOR WAGONS.

No. 548,885.

Patented Oct. 29, 1895.



Witnesses  
Geo. H. Snyder  
H. Joseph Doyle

Inventor  
C. Miller,  
per  
W. H. Harrison,  
Attorney

# UNITED STATES PATENT OFFICE.

CONRAD MILLER, OF LEADVILLE, COLORADO.

## AXLE AND SKEIN SUPPORT FOR WAGONS.

SPECIFICATION forming part of Letters Patent No. 548,885, dated October 29, 1895.

Application filed May 23, 1893. Serial No. 475,300. (No model.)

*To all whom it may concern:*

Be it known that I, CONRAD MILLER, a citizen of the United States, residing at Leadville, in the county of Lake and State of Colorado, have invented certain new and useful Improvements in Axle and Skein Supporters for Wagons; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in axle-skein supporters for wagons; and it consists in a supporter which has an opening in its lower end for the axle-skein to pass through and which is secured at its upper end to the bolster, combined with a plate applied to the under side of the axle, as will be more fully described hereinafter.

The object of my invention is to form the supporter separately from and independently of the axle-skein, and to have the skein to pass through its lower end, and which can be removed without disturbing the skein in any manner.

In the accompanying drawings, Figure 1 is a front elevation of the supporter detached. Fig. 2 is a side elevation of the same. Fig. 3 is a view of the axle and bolster and showing the supporter secured in position. Fig. 4 is a detached view of the plate that is applied to the under side of the axle.

A represents the axle, B the bolster, and C one of the hounds, which is secured in position by means of the clip D, which straddles both the bolster and the axle and serves to secure all of the parts rigidly in position.

Applied to the outer end of the axle is the skein F, which has its inner end to abut against the shoulder G on the plate H, which is applied to the under side of the axle, and which shoulder limits the distance that the skein shall be forced upon the axle. The supporter I has an opening J through its lower end, and this supporter is passed over the

skein F, as shown in Fig. 3, and has its upper end, secured in any suitable manner to the under side at the end of the bolster. The lower end of the supporter is shaped as shown and fits in the recess O in the outer end of the plate H for the purpose of being held rigidly in position at this point. The plate H extends along the under side of the axle and is held tightly in contact therewith by means of the clips D. As the supporter cannot move sidewise on account of the axle and the bolster to which it is secured at its upper end, and as the plate H prevents any outward movement of the supporter at its lower end, it will readily be seen that the supporter is held rigidly in position and prevented from having any movement whatever of its own.

This supporter being made separately and independently from the skein can be removed and replaced at will, and is much more serviceable to use than if the two parts were made in one.

Having thus described my invention, I claim—

1. The axle, the bolster, and the skein, combined with the supporter which passes over the skein, and a plate applied to the under side of the axle for holding the supporter in position and provided with a recess at its end to receive the lower end of the supporter, substantially as described.

2. The axle, the bolster, the hound, and a clip which straddles both the bolster and the axle and secures the hound C in place, combined with the skein, the supporter having an opening through its lower end so as to pass over the skein, and which has its upper end secured to the bolster; and a plate applied to the under side of the axle and having a recess in its outer end to receive the lower end of the supporter, substantially as set forth.

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

CONRAD MILLER.

Witnesses:

R. D. MCLEOD,  
AUGUST REUTE.