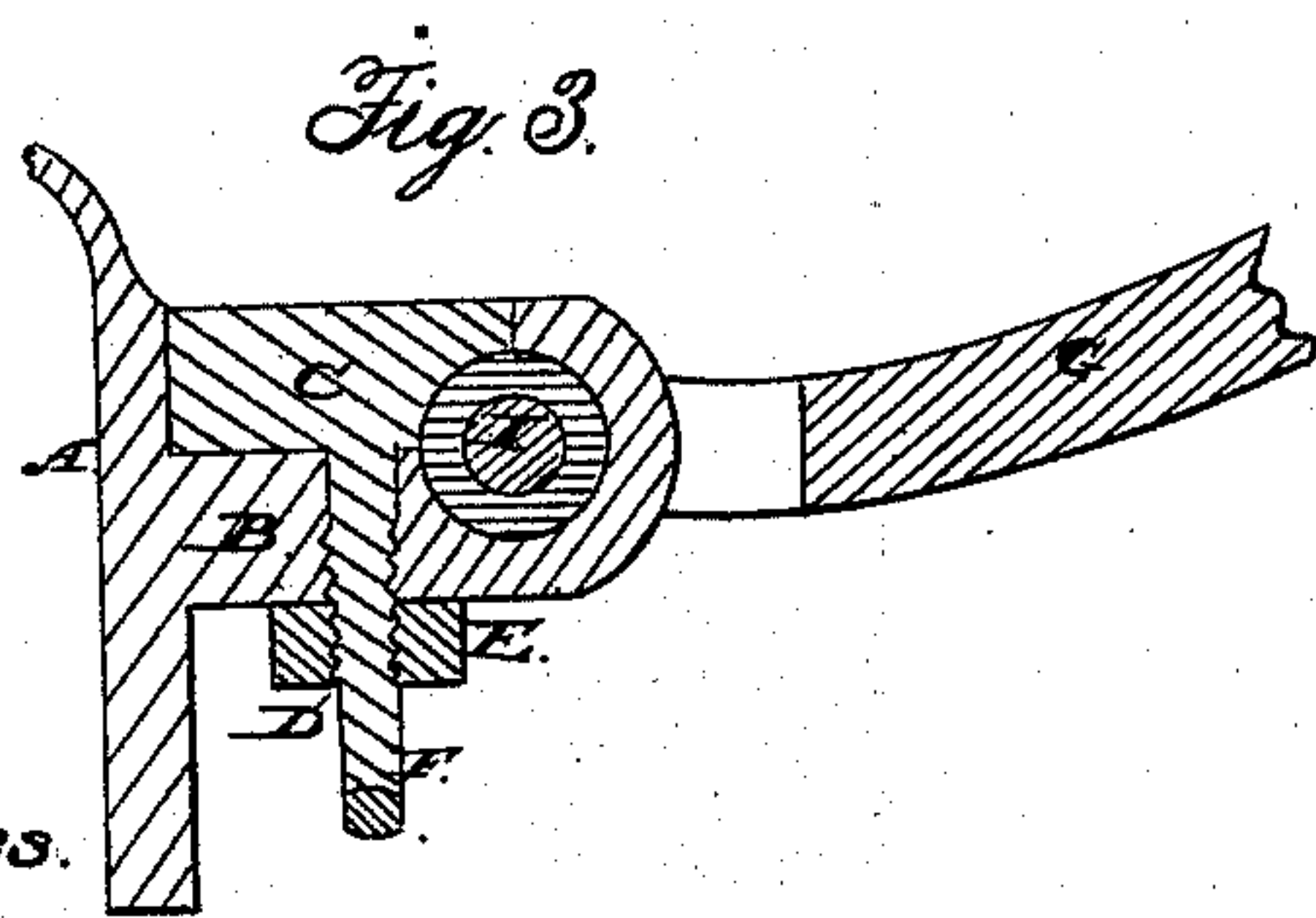
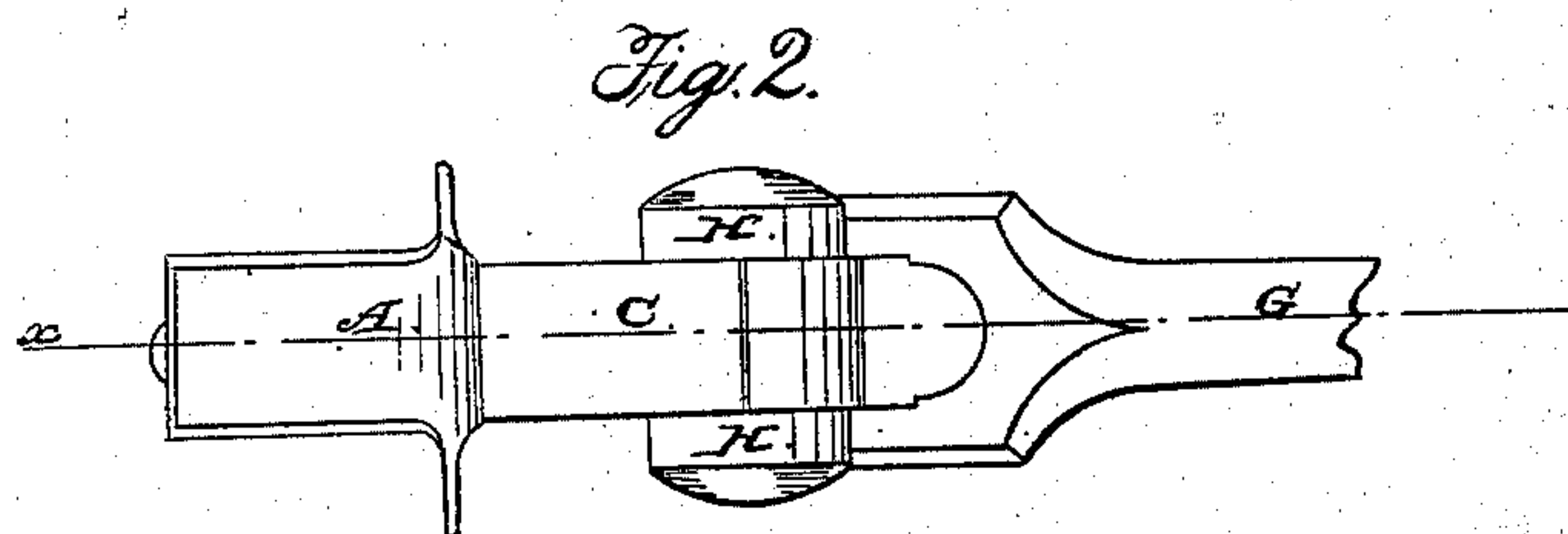
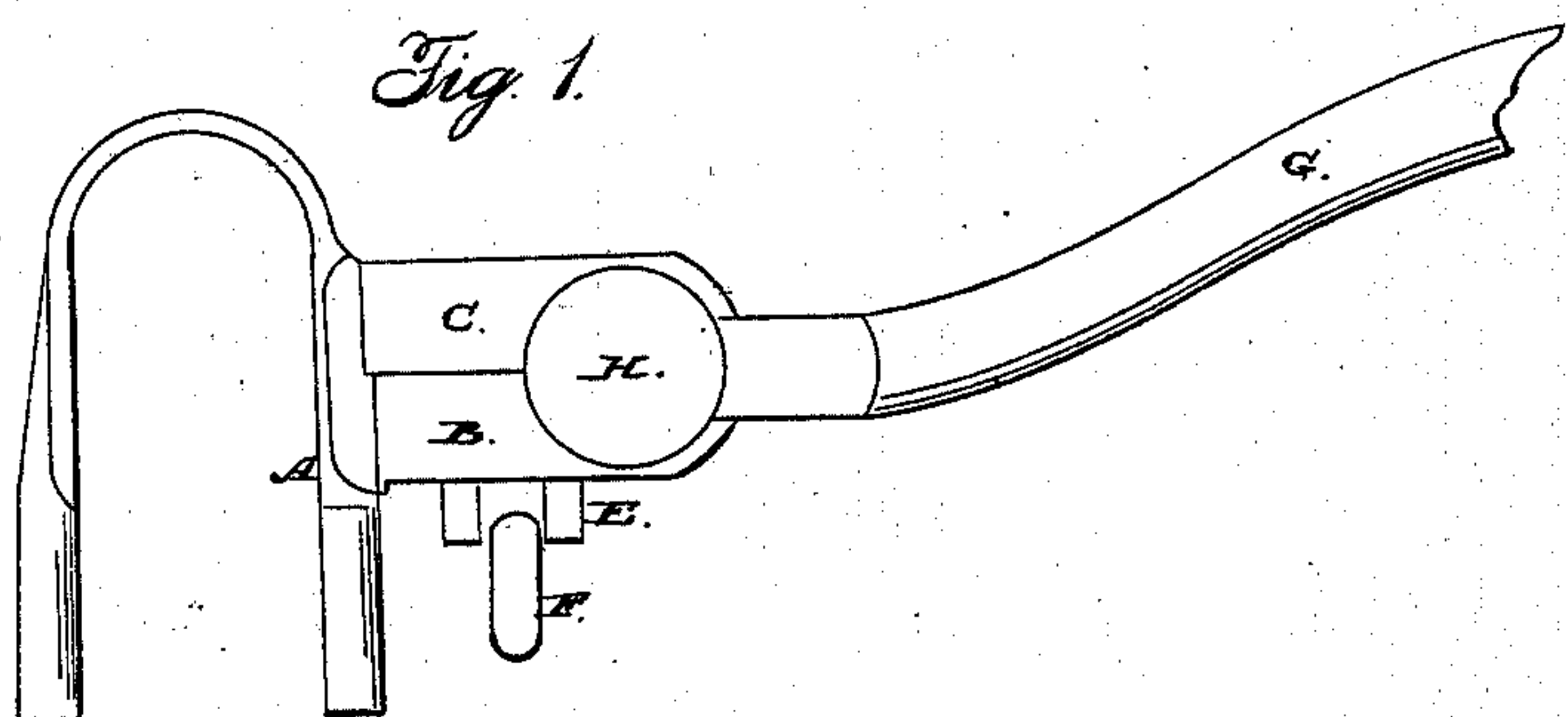


L. WILKINSON.

Thill-Coupling.

No. 68,924.

Patented Sept. 17, 1867.



Witnesses.

C. C. Thompson
A. J. Gibbitts

Levi Wilkinson
Inventor.

By his Attorney

Wm. C. Eyre

United States Patent Office.

LEVI WILKINSON, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO OLIVER
F. CASE, OF THE SAME PLACE.

Letters Patent No. 68,924, dated September 17, 1867.

IMPROVEMENT IN CARRIAGE-SHACKLE.

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, LEVI WILKINSON, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Carriage-Shackles; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view,

Figure 2 a top view, and in

Figure 3 a central section on line *x x*.

This invention relates to an improvement in the manner of attaching the pole or shaft to carriage-axles, and consists in the peculiar construction of the shackle whereby a pole or shaft may be attached or detached with greater facility than has heretofore been done; and in order to the better understanding of my invention I will proceed to describe the same as illustrated in the accompanying drawings.

A is the clip, of common construction, to one side of which is fixed or formed a projecting bar, B, extending forward and turned up, and constructed so as to form a recess to receive the block C, which, together with the bar B, forms the shackles; and near the end of the bar, and at the angle formed by the recess made in the bar, I bore through so that the larger portion of the hole bored comes in the bar B, and the remainder in the bar C, as seen in fig. 3. Upon the under side of the block I form or attach a screw, D, extending down through a corresponding perforation in the bar B, so as to receive a nut, E, as seen in fig. 3, which secures the block C in its proper position. Upon the nut I form an eye, which serves both for the purpose of turning the nut on to the screw D and also for the introduction of a strap, to prevent the accidental turning or loosening of the nut. The thill-iron G is formed in the usual manner, with the head upon either side of the shackle, and a bar, I, extending between the two, so as to fit into the hole formed in the shackle. Or, if preferred, the bar I may be made a little smaller in diameter than the hole in the shackle, and covered with India rubber or other material to fill the space around the bar I, as seen in fig. 3, to prevent rattling.

As represented in the drawing, the thill-iron is attached to the shackle. To remove it therefrom, turn off the nut E, when the block C is then easily removed from the shackle, and when so removed the shafts or pole may be detached from the shackle, and when again inserted replace the block C and the nut E.

Thus it will be seen that my improved shackle is very simple, cheap, and durable, and one which requires but little mechanical skill to adjust.

I do not wish to be understood as broadly claiming a block, detachable so as to permit the removal of the thill-iron or coupling, as such are common and well known.

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

The combination of the detachable block C and the bar B, when the said block itself forms a part of the bearing of the coupling, and when the whole is constructed and arranged so as to operate substantially as and for the purpose specified.

Witnesses:

JOHN E. EARLE,

A. J. TIBBITS.

LEVI WILKINSON.