

(No Model.)

W. R. CHAPIN.
THILL TUG.

No. 570,904.

Patented Nov. 10, 1896.

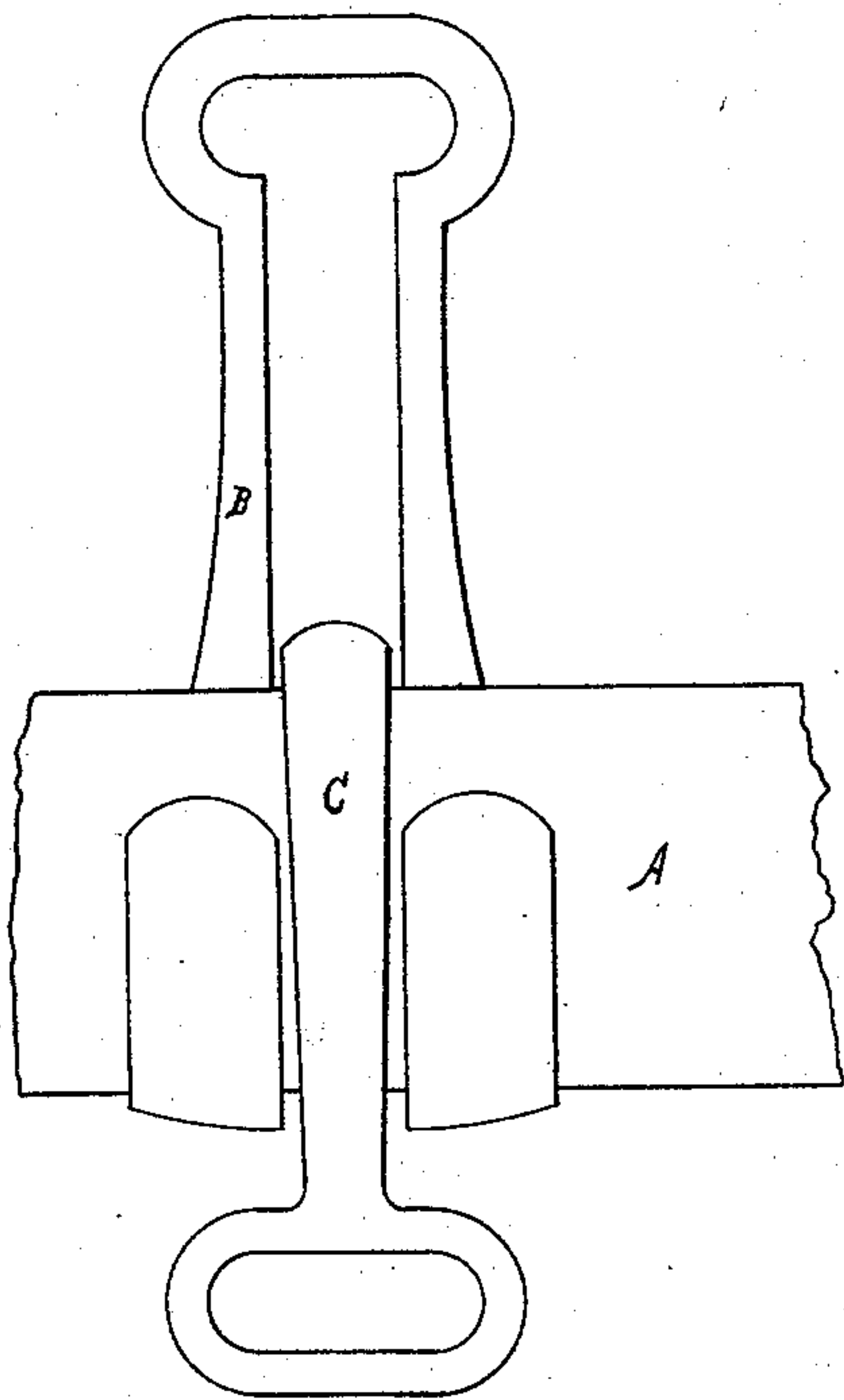


Fig. 1.

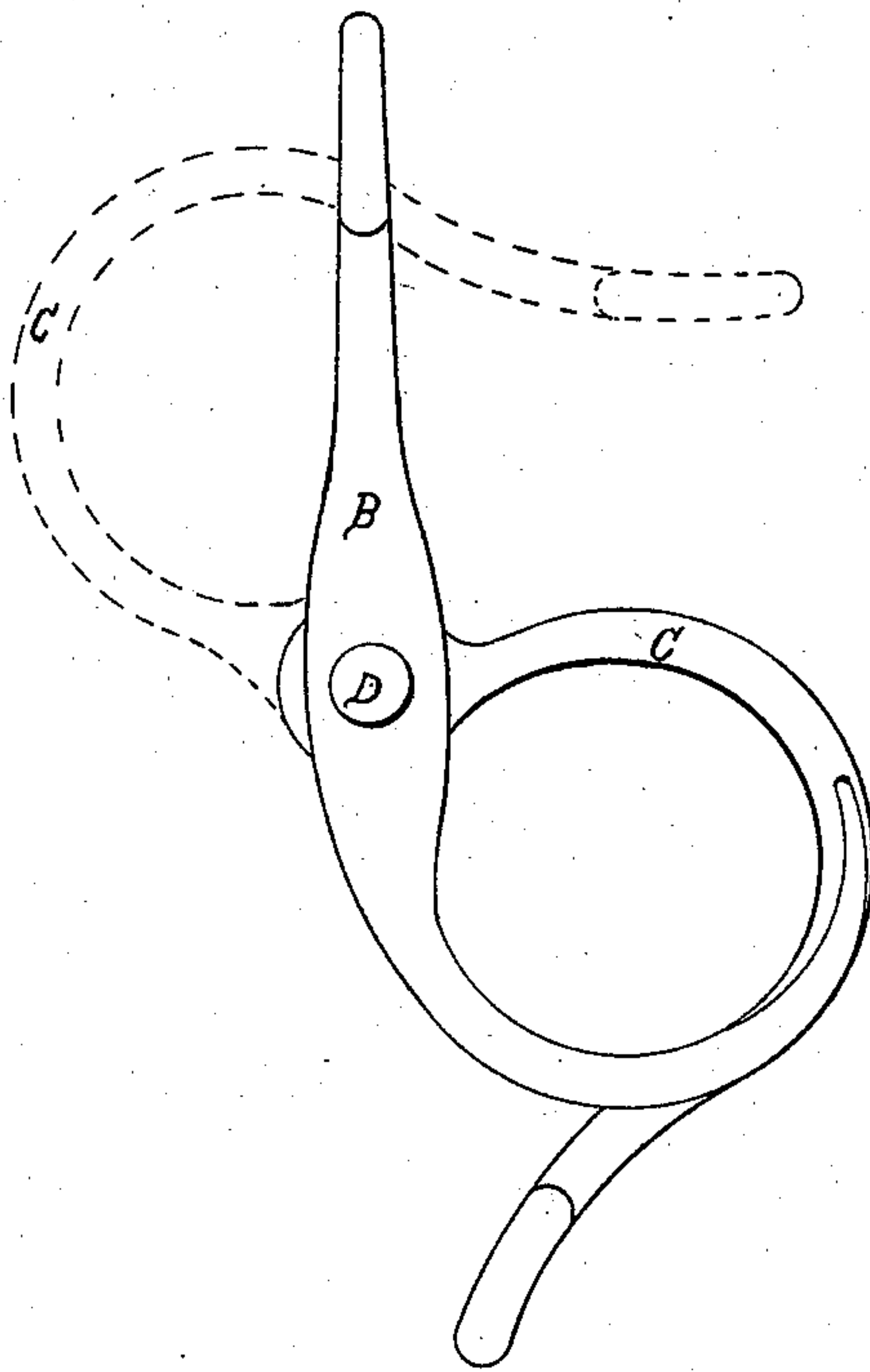


Fig. 2.

WITNESSES:
R. M. Benjamin.
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William R. Chapin
INVENTOR,

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ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM R. CHAPIN, OF WYOMING, PENNSYLVANIA, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, OF TWO-THIRDS TO ARCHIBALD L. LINDSAY, OF SAME PLACE, AND JOHN W. HOWARTH, OF SCRANTON, PENNSYLVANIA.

THILL-TUG.

SPECIFICATION forming part of Letters Patent No. 570,904, dated November 10, 1896.

Application filed April 30, 1896. Serial No. 589,643. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. CHAPIN, a citizen of the United States, residing at Wyoming, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Thill-Tugs; 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 thill-tugs; and it consists of a metal clamp made in two parts curved and hung together with a rivet, so that it can be opened to receive the thill and closed on it when desired.

Like letters refer to like parts in the different drawings.

Figure 1 is a side view of the tug clamped onto the thill. Fig. 2 is a view looking endwise of the thill, showing the construction, the dotted lines showing the lever thrown back to receive the thill, while the full lines show the lever in place to hold the thill.

A represents the thill.

B represents the double hook for carrying the thill, it being made with a loop at the top to buckle to the back-band of the harness, while the curved lever C is hinged to the double hook B by the rivet D, and the lower end is made with a loop, into which the belly-band is fastened.

To connect the thill, the lever C is thrown up, as indicated by the dotted lines, when the thill is placed in the hook B and the lever C is lowered into place and the belly-band buckled, which holds the thill in place without the usual play attending the same.

The thill may be covered with leather, if desired, to prevent the wear on the wood.

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

1. A shaft-tug consisting of the combination of a carrying-hook and a guard-lever pivoted at one end to the shank of the hook and curved outward and downward and means to attach the hook to the back-band and the lever to the belly-band, substantially as described and set forth.

2. A shaft-tug consisting of the combination of a double carrying-hook and a guard-lever pivoted at one end to the shank of the hook and curved outward and downward and means to attach the upper end of the hook to the back-band and the free end of the lever to the belly-band, substantially as described and set forth.

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

WILLIAM R. CHAPIN.

Witnesses:

K. M. BENJAMIN,
E. B. PATTERSON.