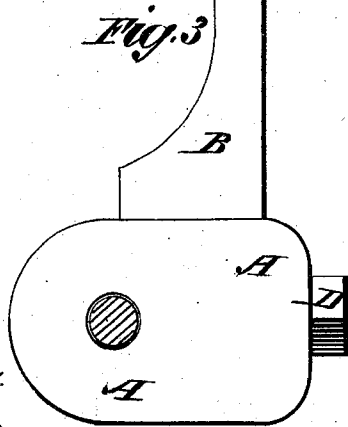
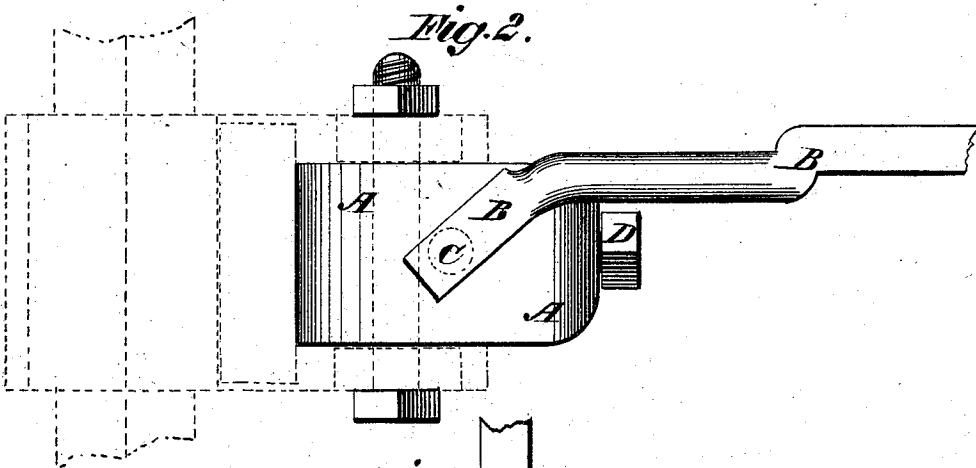
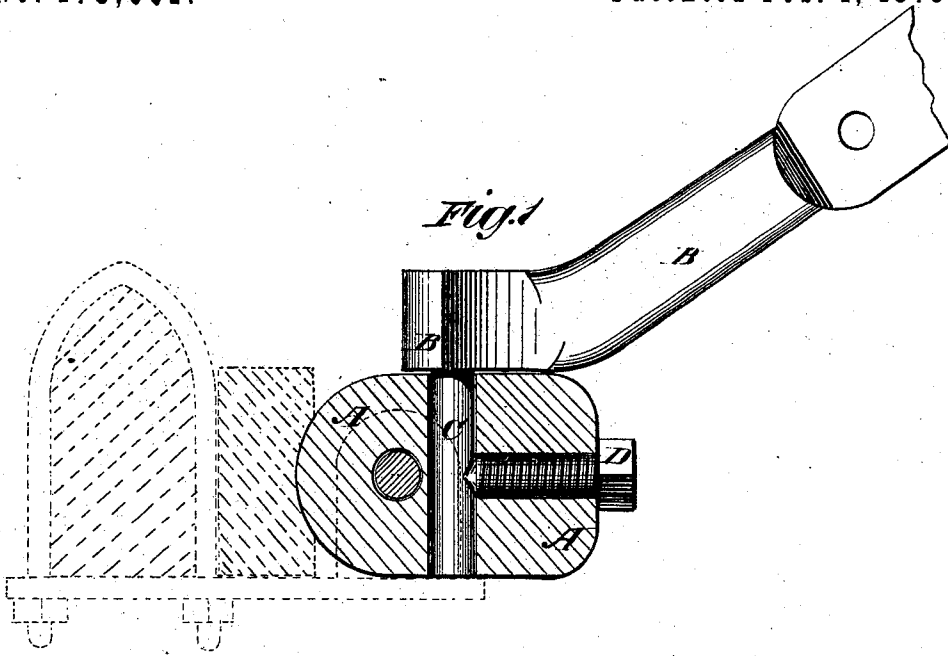


W. O. HANBY.
THILL-COUPLING.

No. 173,001.

Patented Feb. 1, 1876.



WITNESSES:

Francis Mc Cuddy.

A. J. Terry

INVENTOR:

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UNITED STATES PATENT OFFICE

WILLIAM O. HANBY, OF OSCEOLA, OHIO.

IMPROVEMENT IN THILL-COUPPLINGS.

Specification forming part of Letters Patent No. **173,001**, dated February 1, 1876; application filed September 11, 1875.

To all whom it may concern:

Be it known that I, WILLIAM O. HANBY, of Osceola, in the county of Crawford and State of Ohio, have invented a new and useful Improvement in Thill-Coupling, of which the following is a specification:

Figure 1 is a detail sectional view of my improved thill-coupling. Fig. 2 is a top view of the same. Fig. 3 is a side view of the same, showing a modification of the thill or pole iron.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with drawing, and then pointed out in the claim.

A is a block of such a size as to fit in between the lugs of an ordinary thill-coupling, where it is secured in place by the ordinary coupling-bolt, which passes through the said lugs, and through a hole formed transversely through the said block. B is the thill-iron, the shape of which must depend upon the style of the thills or pole to which it is to be attached, and upon its rear end is formed a pin, C, which projects downward vertically, so as to pass into a vertical hole formed in the block A, a little in front of the transverse bolt-hole. In the front or side of the pin C is formed a recess, to receive the rounded or conical end of a set-screw, D, which passes in through a screw-hole in the forward end or in the side of the block A, said recess *c'* being so formed that the said set-screw D will always tend to draw the pin C downward. The rear end of the block A, that rests against the rubber block, is rounded off upon the arc of a circle, having its center a little in front of the bolt-hole in the block A, which will give

such a form to the rear end of the said block A that the pressure of the rubber will always hold it in a horizontal position.

In applying the device, the block A is forced back against the rubber block with a clamp, and the coupling-bolt is inserted. The pins C of the thill or pole irons may then be inserted in their holes, and by tightening up the set-screws D they will be held securely in place.

With this construction, by giving one or two turns to the set-screws D, the thills or poles may be detached and shifted, and another turn or two of the set-screws will secure them in place.

I am aware that it is not new in thill-couplings to employ a clip having a perforated block, through which passes the pintle, to which the thill-iron is hinged; but my invention, unlike this, is a non-rattler, the work and wear being brought upon the coupling-bolt, while the knuckle at that point is subject to the pressure of the rubber. Again, mine may be used interchangeably with any other pole or thills, without any additional fixtures, while the one referred to can only be applied to a vehicle constructed especially to receive it.

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

The thill-iron B, having a pin, C, in combination with the pivoted block A and the clamping-screw D, substantially as and for the purpose described.

WILLIAM O. HANBY.

Witnesses:

RACHEL STEEN,
ARMITTA D. FOSTER.