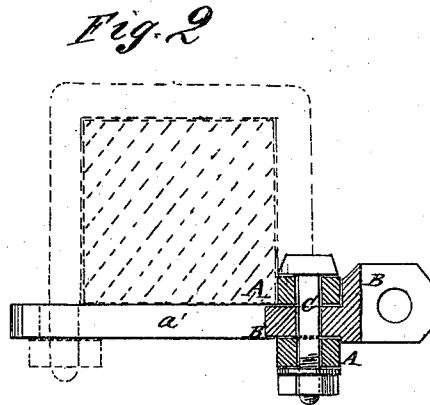
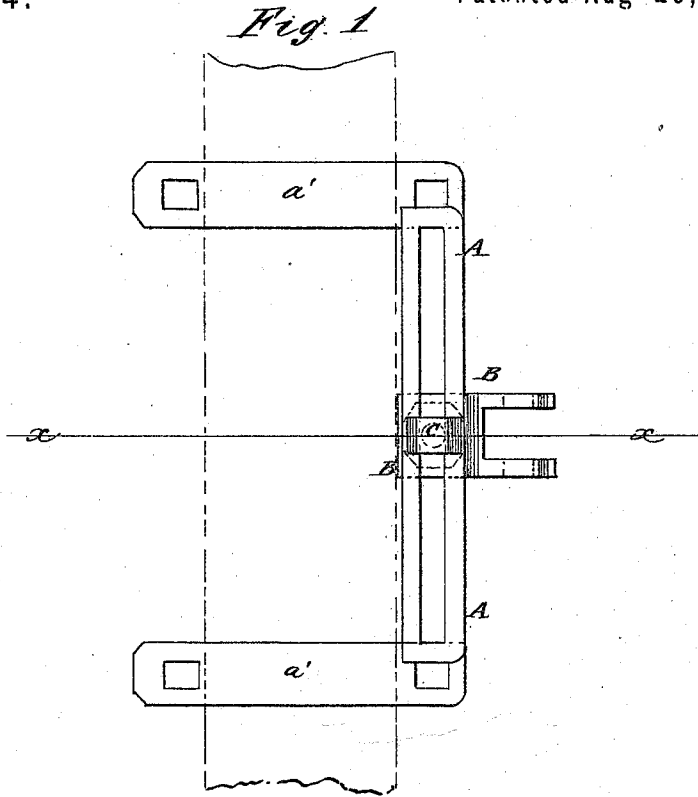


G. W. DELAMATER & P. DELAMATER.

Improvement in Thill-Couplings.

No. 130,624.

Patented Aug. 20, 1872.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE W. DELAMATER AND PHILIP DELAMATER, OF RONKONKOMA,
NEW YORK.

IMPROVEMENT IN THILL-COUPPLINGS.

Specification forming part of Letters Patent No. 130,624, dated August 20, 1872.

Specification describing a new and useful Improvement in Shifting Thill-Clip, invented by GEORGE W. DELAMATER and PHILIP DELAMATER, of Ronkonkoma, in the county of Suffolk and State of New York.

Figure 1 is a top view of our improved device. Fig. 2 is a detail sectional view of the same taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

Our invention has for its object to furnish an improved clip for connecting thills and poles to carriages in such a way that thills and poles may be conveniently shifted even when the thill-irons are at different distances apart; and it consists in the thill-clip constructed as hereinafter more fully described.

A is the middle part or body of the clip, which is designed to extend along the forward side of the axle, and upon the ends of which are formed arms *a'* similar to the yokes of ordinary axle-clips. The arms *a'* are designed to pass beneath the axle and to be secured to it by ordinary clips. In the body A are a horizontal and a vertical longitudinal slot, as shown in Figs. 1 and 2. The horizontal slot is designed to receive the shank of the eyes B, to which the thill-iron eyes are pivoted by a bolt. The shank of the eyes B is made square so that it may fit in the slot of the clip A, and has a square hole formed in it directly op-

posite the vertical slot of the said clip A, to receive the square bolt C, which is passed through the vertical slot of the said clip A, the square sides of the bolt C resting against the square sides of the said slot. The bolt C is secured in place by a nut and washer, as shown in Fig. 2. By this construction, by simply loosening the nuts of the bolts C, the eyes B may be slipped along the clip A to adjust said eyes to the distance apart of the thill-irons of the thills or poles to be attached, enabling the thills or pole to be readily and quickly shifted. The faces of the parts A B C that bear against each other are all made square or plane so that the said parts may be firmly connected to each other without any tendency to turn or work loose.

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

The clip A provided with yokes or arms *a'*, and slotted longitudinally with vertical and horizontal slots to adapt it to receive the square shank of the eyes B and the square bolt C, substantially as herein shown and described, and for the purpose set forth.

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