W. TERRELL.

Making Fifth Wheels.

No. 108,066. Patented Oct. 4, 1870.

Fig 1.

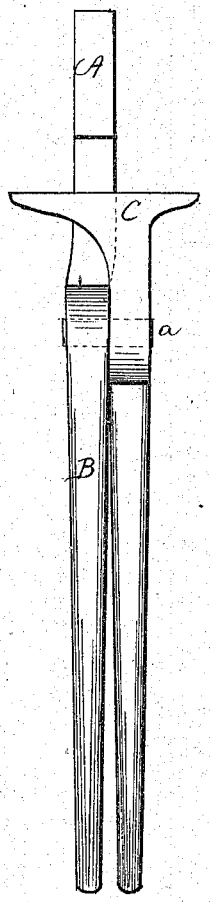


Fig. 2.

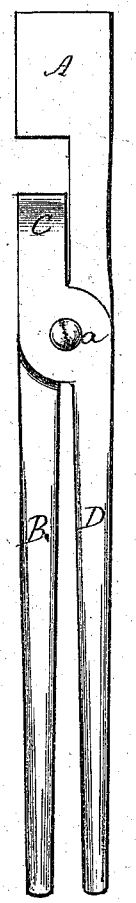
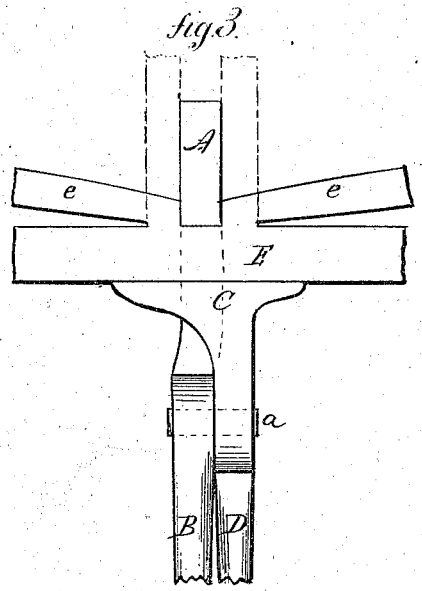


Fig. 3.



Witnesses

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WALES TERRELL, OF ANSONIA, CONNECTICUT.

Letters Patent No. 108,066, dated October 4, 1870.

IMPROVEMENT IN TONGS FOR FORGING THE ARMS ON FIFTH-WHEELS.

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, WALES TERRELL, of Ansonia, in the county of New Haven and State of Connecticut, have invented a new Improvement in Tongs for Forging Fifth-Wheels; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents in—

Figure 1 a top view;

Figure 2, a side view; and in

Figure 3, a top view, showing the use of the tongs.

This invention relates to an improvement in the construction of tongs for holding the blanks during certain portions of the process of forging fifth-wheels for carriages, but may be used for other purposes where similar operations are required.

On one part of the fifth-wheel, arms to the clip are forged, and corresponding arms on the other part, and these arms are forged from metal of which the wheel is composed, the arms being turned at right angles to the wheel, short distance apart, and flat upon the inside surfaces.

To shape these arms or clips is the object of my invention, and consists in forming one jaw of the tongs so as to sit between the two arms, and allow the forging of the arms upon the said jaw, the other jaw constructed so as to clamp the wheel in position against the shaping-jaw.

A is the shaping-jaw, fixed to a handle, B.

C, the clamping-jaw, fixed to a handle, D, the two handles pivoted together at *a*, in the usual manner for forging tongs.

The jaw A extends up forward of the clamping-jaw C, so as to leave a space between the two jaws, as seen in fig. 2, the thickness of the jaw A corresponding to the distance between the two arms.

The fifth-wheel blank E, as seen in fig. 3, is set between the two jaws, and the two arms, *e*, of the said blank (the blank having been previously heated) are split or upset from the blank; then, the operator, holding the tongs, turns the two arms *e* down onto the jaw A, as denoted in broken lines, fig. 3, the jaw A serving as a support for the shaping of the arms, and defining the distance between the two.

Different-sized fifth-wheels will, of course, require different-sized tongs.

The jaw C should be of sufficient length to form a firm support for the blank E.

I claim as my invention—

The herein described improved tongs, in which the jaw A extends up forward of and at right angles to the jaw C, so that the blank may be clamped between the two said jaws, and the jaw A serve as a guide or form for turning or shaping the projections on the blank, substantially in the manner and for the purpose set forth.

WALES TERRELL.

Witnesses:

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