O. P. TRIPP.

Tongue and Thill-Support for Vehicles.

No. 204,113. Patented May 21, 1878.

Fig. 1.

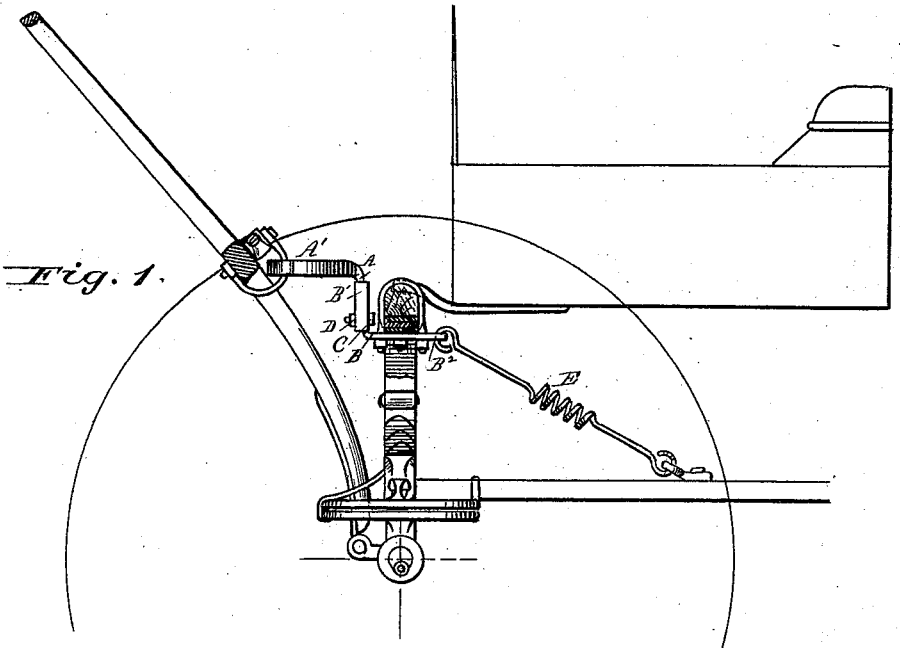


Fig. 2.

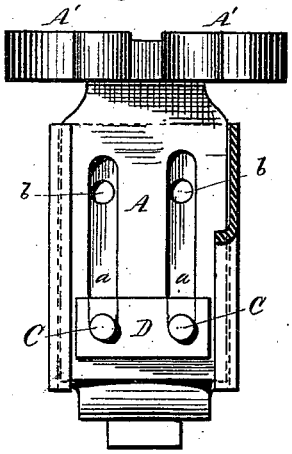


Fig. 3.

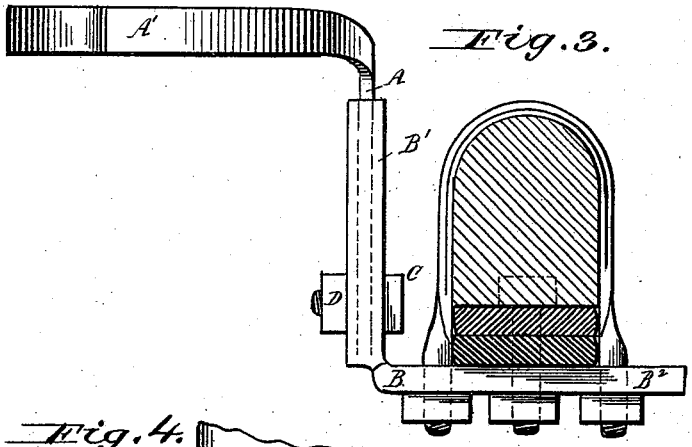
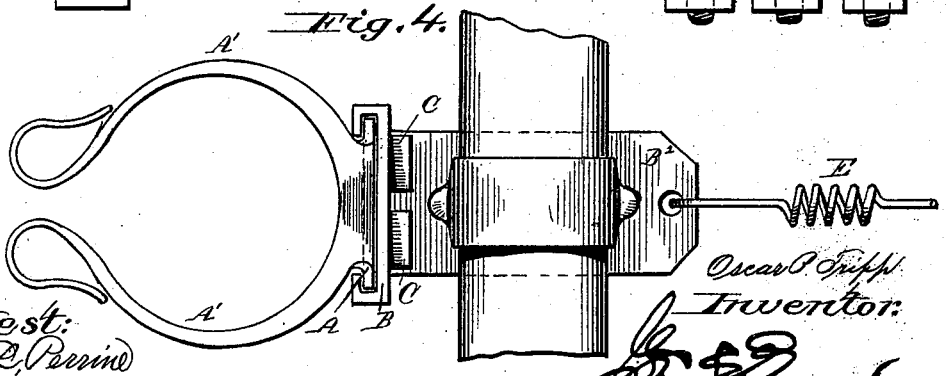


Fig. 4.



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UNITED STATES PATENT OFFICE.

OSCAR P. TRIPP, OF BELVIDERE, ILLINOIS.

IMPROVEMENT IN TONGUE AND THILL SUPPORTS FOR VEHICLES.

Specification forming part of Letters Patent No. **204,113**, dated May 21, 1878; application filed March 20, 1878.

To all whom it may concern:

Be it known that I, OSCAR P. TRIPP, of Belvidere, in the county of Boone and State of Illinois, have invented certain new and useful Improvements in Tongue and Thill Supports for Vehicles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of mechanisms adapted to hold the thills or tongue of a vehicle in an elevated position when the vehicle is not in use.

The object of my invention is to furnish a light, substantial, and ornamental thill-support that can be easily attached to any vehicle.

It consists in a plate of metal bent at right angles, one end being forked to form the holding-prongs, and the other end being slotted to admit of its being connected to its support, so that it may be adjusted vertically after it has been attached to a vehicle.

In the accompanying drawing, Figure 1 is a side elevation, partly in section, of part of a buggy, showing the adjustable form of my thill-support sustaining the thills in an elevated position. Fig. 2 is a front elevation of the adjustable form of support. Fig. 3 is a side elevation thereof. Fig. 4 is a plan view, looking down.

The same letters of reference indicate corresponding parts in all the figures.

The support consists of a metal (preferably of steel) plate, A, forked at one end to form the spring-prongs A′ A′, approaching each other so closely at their outer ends that when the ordinary clevis of a single-tree is forced between them it will be retained until forcibly withdrawn.

In the adjustable support, which I prefer, the prongs are formed at an angle to the plate A, which is provided with a slot or slots, *a a*. This plate A is connected by means of bolts to one arm, B^1, of an angular plate or bracket, B, whose other arm, B^2, is adapted to be attached by suitable means to the center of the box of a vehicle, or, by means of a clevis, to the bolster of an elliptic spring, as shown in Figs. 1, 3, and 4.

The plate A and the arm B^1 of the bracket B are secured together by means of bolts C and nut D, the long slots in plate A providing for the vertical adjustment of the support. To give greater range of adjustment additional bolt-holes *b* may be formed in arm B^1 of the bracket, as shown in Fig. 2.

On very light vehicles, where the weight of the thills or tongue would tend to strain the spring, I provide a tie-rod, E, to support the springs against lateral strain.

Although this invention is described as applying more particularly to light carriages and buggies, it will be readily seen that it may be adapted to wheeled vehicles of all descriptions, as also to sleighs and cutters.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a thill or tongue support for vehicles, the combination, substantially as specified, of the holding-prongs, having an angularly-projecting slotted plate to provide for vertical adjustment, the bracket, and the connecting-bolts.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

OSCAR P. TRIPP.

Witnesses:

CHAS. A. NEALE,

MARTIN CONNOLLY.