

O. Lapham.
Wagon Tongue Support.
N^o 69,227. Patented Sept. 24, 1867.

Fig. 1.

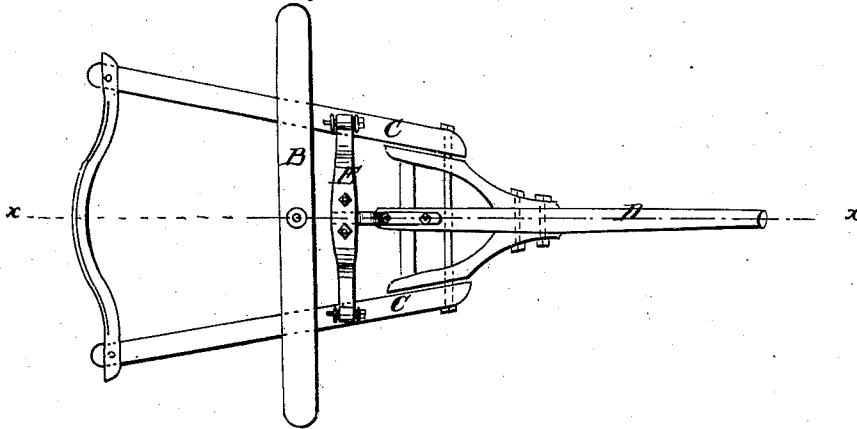


Fig. 2.

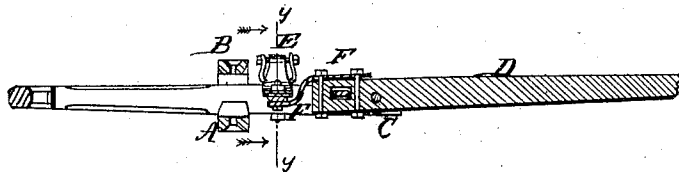
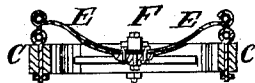


Fig. 3.



Witnesses
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O. LAPHAM, OF EL PASO, ILLINOIS.

Letters Patent No. 69,227, dated September 24, 1867.

IMPROVEMENT IN WAGON-TONGUE SUPPORT.

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, O. LAPHAM, of El Paso, in the county of Woodford, and State of Illinois, have invented a new and improved Wagon-Tongue Support; 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 make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top view of the hounds and tongue of a wagon with my improvement attached.

Figure 2 is a detail sectional view of the same, taken through the line *x x*, fig. 1.

Figure 3 is a detail sectional view of the same, taken through the line *y y*, fig. 2.

Similar letters of reference indicate like parts.

My invention has for its object to furnish an improved means for supporting the tongue so as to relieve the horses from supporting its entire weight, and it consists in the combination of a spring with the rear end of the tongue and with the hounds, in the manner hereinafter more fully described.

A is the forward axle, B is the bolster, C are the forward hounds, and D is the tongue, about the construction of which parts there is nothing new. E is a spring, the ends of which are connected to the hounds C by links and eye-bolts, as shown in figs. 1, 2, and 3, or in any other convenient and substantial manner that will allow the necessary play to the said spring. F is an arm or bar, the forward end of which is bolted or otherwise secured to the rear end of the tongue D, and its rear end is secured to the middle part of the spring E, as shown in figs. 1, 2, and 3. The spring E should be of such a strength and stiffness that when released from the neck-yoke or pole-straps its weight will be barely sufficient to bring it to the ground, so that the horses will have to sustain a weight of four or five pounds, sufficient to give steadiness to the tongue when in use.

I claim as new, and desire to secure by Letters Patent—

The combination of the spring E with the rear end of the tongue D, and with the hounds C, substantially as herein shown and described, and for the purpose set forth.

O. LAPHAM.

Witnesses:

J. H. MOORE,

V. LAPHAM.