

E. JARRELL.
Wagon-Tongue Supports.

No. 154,488.

Patented Aug. 25, 1874.

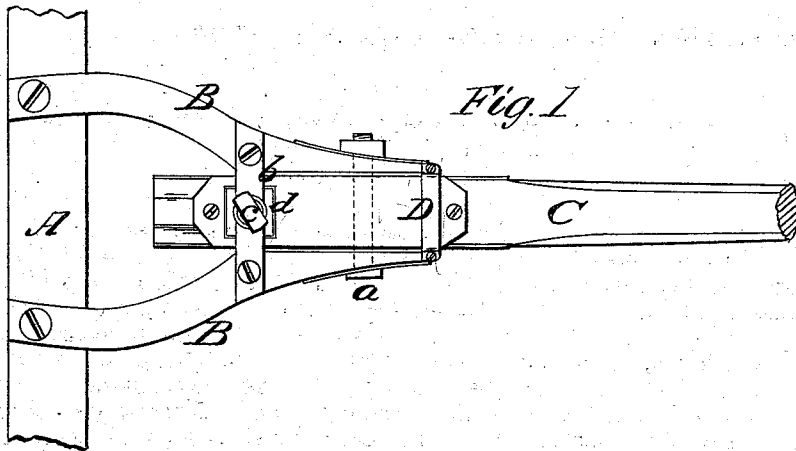


Fig. 1

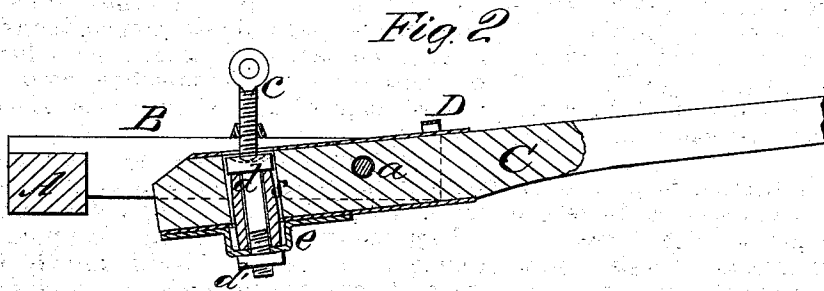


Fig. 2

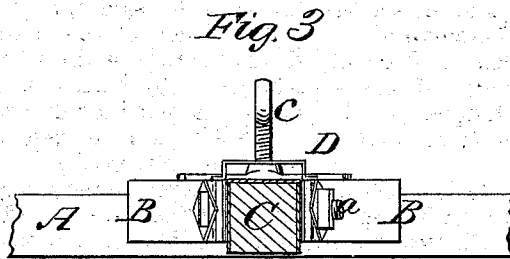


Fig. 3

WITNESSES

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EDWIN JARRELL, OF THORNTOWN, INDIANA.

IMPROVEMENT IN WAGON-TONGUE SUPPORTS.

Specification forming part of Letters Patent No. **154,488**, dated August 25, 1874; application filed July 3, 1874.

To all whom it may concern:

Be it known that I, EDWIN JARRELL, of Thorntown, in the county of Boone and State of Indiana, have invented a new and valuable Improvement in Tongue-Supports; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my tongue-support. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view of the same.

This invention has relation to devices for supporting wagon-tongues, so as to relieve the horses' necks from the weight thereof.

The nature of my invention consists in the employment in rear of the pivot-pin of a draft-tongue of an adjusting-screw and an elastic bearing therefor, as will be hereinafter explained; also, in the employment in front of said pivot of a bridge-stop, which will check the upward throw of the draft tongue.

The following is a description of my invention:

In the annexed drawing, A designates an axle, and B B the hounds for the draft-tongue C, which parts, with the following-described exceptions, are constructed in the usual well-known manner. The tongue C is applied between the hounds B B, and connected to them by means of a transverse pivot-bolt, *a*. In front of this pivot-bolt *a* is a bridge-stop, D, which is secured upon the upper sides of the hounds at their front ends, and which is raised above the same between its ends, as shown in Fig. 3. This bridge D will prevent the front end of the draft-tongue from being thrown up too high while descending a hill or suddenly stopping the wagon. In rear of the pivot-bolt

a a rectangular hole is made vertically through the tongue C, in which hole is applied a bolt, *d*, and a spring, *s*. The bolt *d* is passed down through the spring *s*, and through a stirrup, *e*, and receives a nut, *d'*, on its lower end, by means of which nut the spring can be more or less compressed, as circumstances require. Above the head of bolt *d*, and tapped through a cross-bar, *b*, which is secured rigidly upon the hounds, is a screw, *c*, against which the head of bolt *d* bears, thus sustaining the weight of the front part of the tongue, and relieving the horses thereof. By adjusting-screw *c* any desired angle of inclination can be given to the tongue.

In practice, I shall cover the wearing-surfaces of the tongue and hounds with metal, for the purpose of preventing undue wear.

I am well aware that a tongue-support, consisting of a spring attached directly to a wagon-tongue, one end projecting back under the axle, the said spring having play at both ends to allow of the tongue being raised vertically in front of the wagon-body, and being adjustable by means of a bolt, is not new; hence I do not broadly claim such invention.

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

1. A wagon-tongue support, consisting of the adjusting-screw *c*, adjusting-bolt *d*, and spring-cushion *s*, combined and applied substantially as described.

2. The bridge-stop D applied to the hounds in front of the pivot *a* and over the tongue, all combined as and for the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

EDWIN JARRELL.

Witnesses:

JOHN C. FARBER,
SAMUEL M. BURKE.