

No. 853,391.

PATENTED MAY 14, 1907.

F. ABRAMS & W. A. DOYLE.
WAGON TONGUE SUPPORTER.
APPLICATION FILED MAR. 27, 1906.

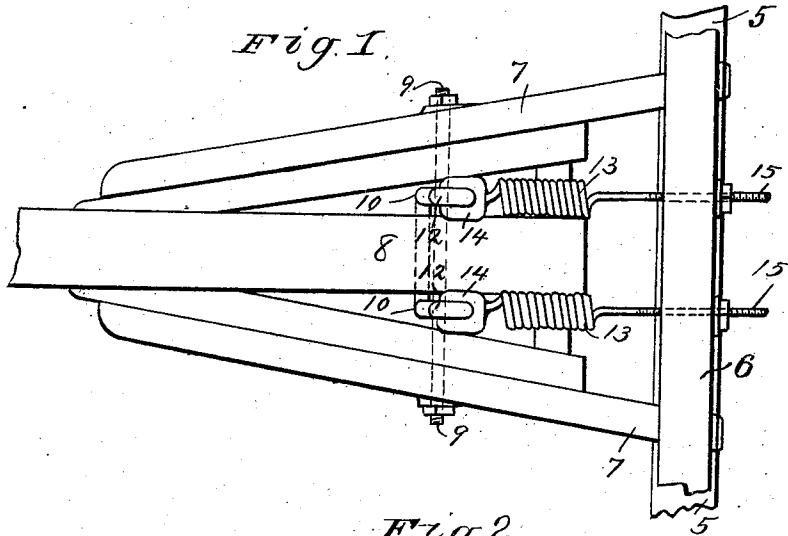
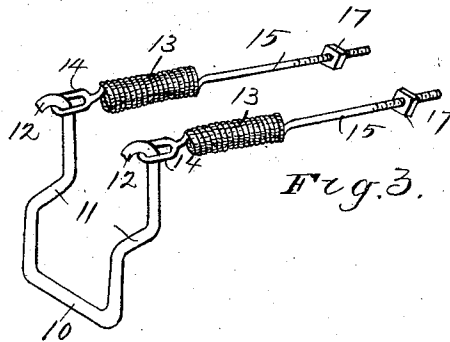
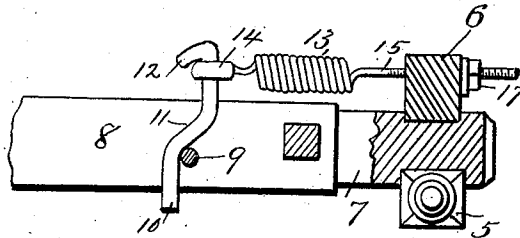


Fig. 2.



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UNITED STATES PATENT OFFICE.

FRED ABRAMS AND WILLIAM A. DOYLE, OF MINDEN, NEBRASKA.

WAGON-TONGUE SUPPORTER.

No. 853,391.

Specification of Letters Patent.

Patented May 14, 1907.

Application filed March 27, 1906. Serial No. 308,306.

To all whom it may concern:

Be it known that we, FRED ABRAMS and WILLIAM A. DOYLE, citizens of the United States, residing at Minden, in the county of Kearney and State of Nebraska, have invented certain new and useful Improvements in Wagon-Tongue Supporters, of which the following is a specification.

My invention relates to a support for wagon tongues and has for its object the provision of a device of this character, designed to support the tongue, from the wagon rest, in such manner as to relieve the horses of the weight of said tongues.

A further object of the invention is the provision of a device of the character described, which may be readily applied to wagons already in use.

Further objects and advantages of the invention will be set forth in the detail description which now follows:

In the accompanying drawing: Figure 1 is a plan view of a wagon axle and the hounds of wagons showing a tongue disposed therein, in accordance with the invention. Fig. 2 is a view partly in section and partly in elevation of the device, shown in Fig. 1, and Fig. 3 is a detail perspective view of the device, which I apply to the wagon tongue and which constitutes the tongue support proper.

Like numerals designate corresponding parts in all of the figures of the drawing.

Referring to the drawing the numeral 5 designates the front axle of a wagon. Secured between this axle, and the front rest 6 of said wagon, are the hounds 7, in which a tongue 8 is pivoted upon a bolt 9, in the usual and well known manner.

The wagon tongue support illustrated in Fig. 3, comprises a U-shaped member 10, the side bars of which are offset at 11. The two ends of these side bars are bent to form hooks 12. Heavy springs 13 are provided with the loops 14, for engaging with the hooks 12, rearwardly extending rods 15, being formed

integrally with the springs 13 and are threaded as at 16, for the reception of nuts 17.

In applying the herein described tongue support to a wagon, holes are formed through rest 6, through which the rods 15 pass. The lower transverse bar of the member 10 lies beneath the tongue, while the off set portions of the side bars, over lie bolt 9. The tension of the springs 13, may be adjusted by the nuts 17. The springs tend to pull the upper ends of the side bars of the members 10 rearwardly. This rearward movement tends to throw the lower transverse bar of said member, forwardly and upwardly. This tends to lift the tongues and relieve the horses of the weight of said tongue.

From the foregoing description it will be seen that simple and efficient means are herein provided for accomplishing the objects of the invention, but while the elements shown and described are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth, but includes within its purview such changes as may be made within the scope of the appended claims.

Having described my invention what I claim is:

In a device of the character described, a stationarily supported transverse rod, a U shaped tongue-supporting member having the upper portions of its legs offset and resting upon said rod as a pivot, the upper ends of said member being hooked, and retractile coil springs having one of their ends stationarily secured and their free ends engaged with said respective hooked ends.

In testimony whereof we affix our signature in presence of two witnesses.

FRED ABRAMS.
WILLIAM A. DOYLE.

Witnesses:

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