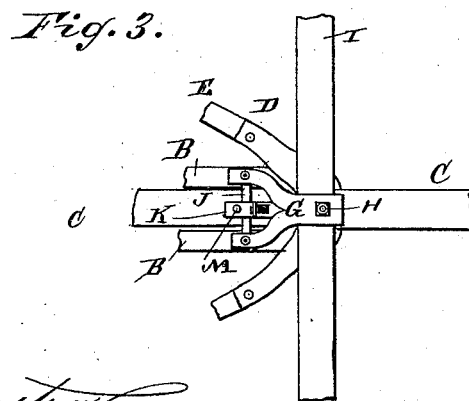
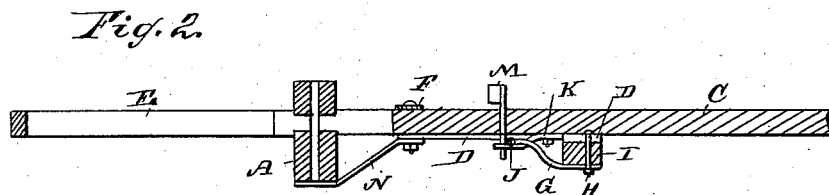
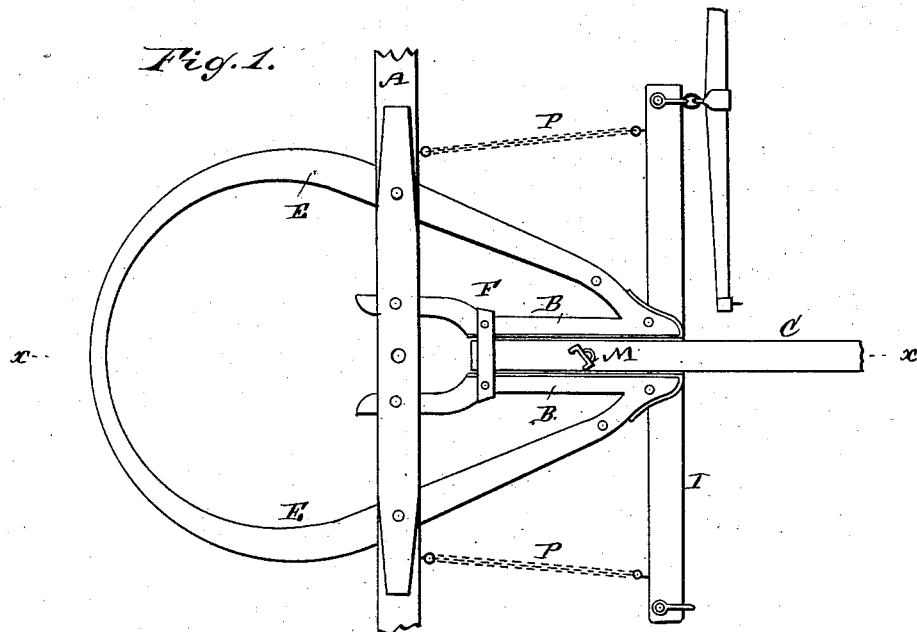


(No Model.)

N. JOHNSON.
TONGUE SUPPORT.

No. 302,409.

Patented July 22, 1884.



WITNESSES:

Thos. G. Hoster
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INVENTOR:

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UNITED STATES PATENT OFFICE.

NATHANIEL JOHNSON, OF HARRISBURG, ILLINOIS.

TONGUE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 302,409, dated July 22, 1884.

Application filed March 31, 1884. (No model.)

To all whom it may concern:

Be it known that I, NATHANIEL JOHNSON, of Harrisburg, Saline county, Illinois, have invented a new and Improved Wagon-Tongue Support, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved attachment and support for wagon-tongues for the purpose of relieving the horses from the weight of the tongue and of the weight of the double and single trees, and also for allowing the tongue to be readily detached from the vehicle.

This invention, which is an improvement in the wagon-tongue support for which United States Letters Patent No. 293,751 were issued to me on the 19th day of February, 1884, consists in the combination, with the axle, of curved hounds secured on the same, and having their front ends connected with or made integral with longitudinal hounds, between which the rear end of the tongue fits. A double-tree is pivoted to the under side of a plate secured to the front part of the hounds, and to the said double-tree a fork is secured, in the end of which a pin is secured, beneath which a clip on the tongue passes, and then a bolt or wrench is passed through the tongue and the end of the clip.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan of the front gear, in part, of a vehicle provided with my improved tongue attachment and support. Fig. 2 is a longitudinal sectional elevation of the same on the line *x x*, Fig. 1. Fig. 3 is a plan view of the under side of the front of the support.

To the axle A two hounds, B B, are fastened, which project toward the front, and between which hounds the rear end of the wagon-tongue fits closely, the front ends of the hounds B being secured to or made integral with the front ends of the curved or round hounds E, secured on the axle A.

On the upper surfaces of the hounds B a

cross-plate, F, is secured, under which the rear end of the tongue is passed. A curved fork, G, is secured to the bottom of the double-tree I by a bolt, H, the said fork projecting toward the rear. The front ends of the hounds B and of the curved hounds E rest upon and are secured on a plate, D. A clip, K, secured to the under side of the tongue C, projects toward the rear, the said clip K passing under a cross-pin, J, uniting the ends of the fork G. The bolt H passes through the fork G, the double-tree I, and the plate D. The rear end of the tongue C is passed between the hounds B and under the plate F, the clip K passing under the cross-piece J of the fork G. A pin, bolt, or wrench, M, is then passed through the tongue C, and through an aperture in the free end of the clip K, so that the cross-piece J of the fork G will be between the bolt and the curved part of the clip K, thus holding the tongue in place. The tongue C is thus supported a short distance from its rear end by the curved plate D, thus relieving the horses from the greater part of the weight of the tongue and of the weight of the single and double tree.

In place of the fork G having the cross-pin J, a slotted plate can be used. The hounds B are braced from the axle by braces N, extending from the under side of the hounds B to the under side of the axle. Chains P connect the ends of the double-tree I with the axle.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the curved hounds E and the hounds B, united integrally, and the wearing-plate D, adapted to fit said hounds at their points of connection, and to extend across the space between the inner hounds, B, of the cross-plate F, the fork G, the clip K, the bolt M, and the double-tree bolt I, connected to the cross-piece of the plate D, substantially as and for the purpose set forth.

NATHANIEL JOHNSON.

Witnesses:

T. W. HALL,
WM. M. GREGG.