

T. POJAR.
DRAFT TONGUE.
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939,547.

Patented Nov. 9, 1909.

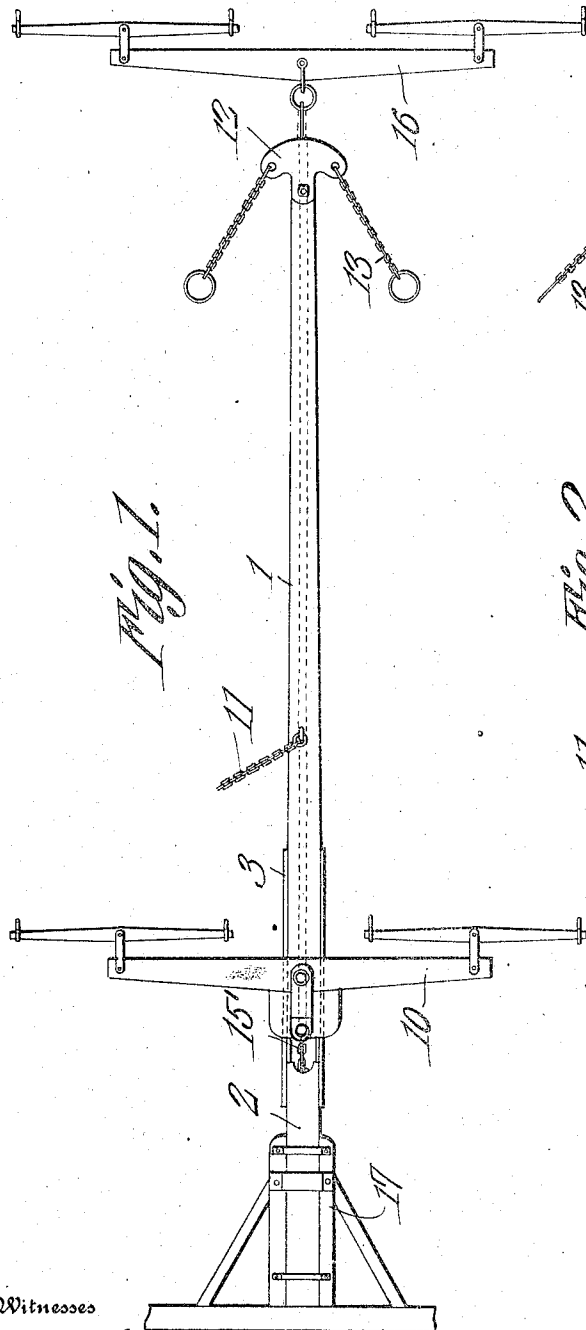


Fig. 1.

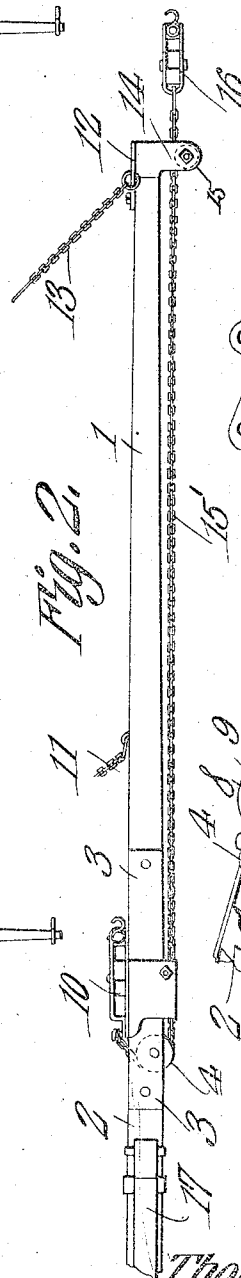


Fig. 2.

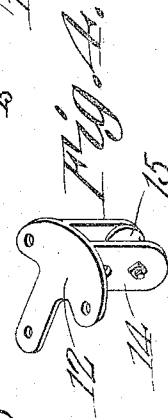


Fig. 4.

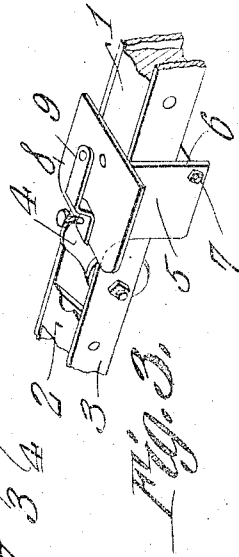


Fig. 3.

Witnesses

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THOMAS POJAR, OF DODGE, NEBRASKA.

DRAFT-TONGUE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS POJAR, a citizen of the United States, residing at Dodge, in the county of Dodge and State of Nebraska, have invented a new and useful Draft-Tongue, of which the following is a specification.

This invention has relation to draft tongues, and it consists in the novel construction and arrangement of its parts, as herein-after shown and described.

The object of the invention is to provide a draft tongue in the form of a unitary structure, which is adapted to be easily and readily applied to the axle and hounds of a wagon running-gear of the usual pattern.

In connection with the tongue means is provided for equalizing or distributing the draft strain between the members of tandem teams of draft animals, and, at the same time, provision is made whereby the draft strain or pull from the several teams is applied to the tongue at one and the same point.

With the above object in view the tongue includes a body portion, and a stub portion, which portions are connected together by side plates having a pulley journaled between them and lying between the said portions. A bracket is slidably mounted upon the said side plates and is provided with means for retaining a double-tree. An iron is fixed to the forward end of the body portion of the tongue, and a pulley is journaled therein. A chain is attached at one end to the said bracket and passes around the pulley between the side plates, then over the pulley of the tip iron of the tongue; and to the forward end of the said chain a tree may be connected. Breast chains are attached to the tip iron of the tongue, and a chain is connected with the intermediate portion of the tongue and may be used to hold the tongue at a desired angle.

In the accompanying drawing:—Figure 1 is a top plan view of the tongue. Fig. 2 is a side elevation of the same. Fig. 3 is a fragmentary perspective view of the bracket and side plates of the tongue and adjacent parts. Fig. 4 is a perspective view of the tip iron of the tongue.

The tongue includes a main or body portion 1, and a secondary or stub portion 2. The said portions are in alinement one with the other. The side plates 3 connect the portions 1 and 2 together, and journaled between the said side plates and between the

adjacent ends of the tongue portions 1 and 2 is a pulley 4. A bracket 5 is slidably mounted upon the plates 3, and is provided with depending side portions 6, which lie flat against the outer faces of the plates 3, and the lower portions of the depending parts 6 are connected together by a bolt 7, which passes transversely under the rear portion of the part 1 of the tongue, and under the lower edges of the plates 3. The bracket 5 is provided with a shelf portion 8, upon which is mounted a clip 9. A double-tree 10 is mounted upon the bracket 5 and is pivotally secured between the clip 9 and the shelf portion 8 of the said bracket. A chain 11 is connected at one end to the tongue portion 1 at a point intermediate of the ends thereof, and may be employed by attaching its other end to a relatively fixed portion of a wagon body or frame for holding the tongue at a desired angle. A tip iron 12 is fixed at the forward end of the tongue portion 1, and breast chains 13 are attached to the opposite side portions of the said tip iron. The iron 12 is provided with depending flanges 14 which lie against the sides of the tongue portion 1 and project below the lower surface of the same. A pulley 15 is journaled between the flanges 14 and lies below the forward end of the tongue portion 1. A draft chain 15' is connected at one end to the rear portion of the bracket 5 and passes around the pulley 4 and extends along the under side of the tongue portion 1 and rests upon the upper portion of the pulley 15 between the flanges 14 and the tip iron 12. A tree 16, is attached to the forward end of the chain 15'.

From the above description it is obvious that when teams are connected with the trees 10 and 16 and move in a forward direction, the draft strain or pull is distributed or equalized between the teams through the instrumentality of the chain 15' which connects the bracket 5 with the tree 16, as indicated.

It will also be seen that when the lead team turns to one side or the other, by reason of the flexibility of the chain 15', the draft strain in a lateral direction will be applied directly to the tip iron 12, and, consequently, in making a turn, the tongue portion 1 is guided by the lead team as well as the wheel team.

It will also be seen that the stub portion 2 of the tongue is in reality an extension of

the main portion 1 thereof, and, consequently, may be inserted between the hounds (indicated at 17) in the usual manner, and therefore, in order to apply the draft tongue to the running-gear of an ordinary wagon, it is not necessary to alter the structure or arrangement of parts of the running-gear in any respect-whatsoever. By this arrangement, it will be observed that a draft tongue embodying the several parts assembled in the form of a unitary structure, is provided, which tongue may be easily and quickly substituted for a tongue as ordinarily used upon wagon running-gear, and which, when applied, possesses means for distributing the draft strain between the different members of tandem draft animals.

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

A draft tongue comprising a main portion and a stub portion spaced from the main

portion, side plates connecting the said portions together, a pulley journaled between the side plates and between ends of the said tongue portions, a bracket slidably mounted upon the said plates and having means for connection with a tree, a tip-iron fixed to the main portion of the tongue, a pulley journaled to the said tip iron, and a flexible means joined at one end to the said bracket and passing around the pulley journaled between the side plates, and over the pulley at the tip-iron, and projecting beyond the end of the tongue for connection with a draft tree.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

THOMAS POJAR.

Witnesses:

A. J. HASSON,
J. F. MLNARIK.