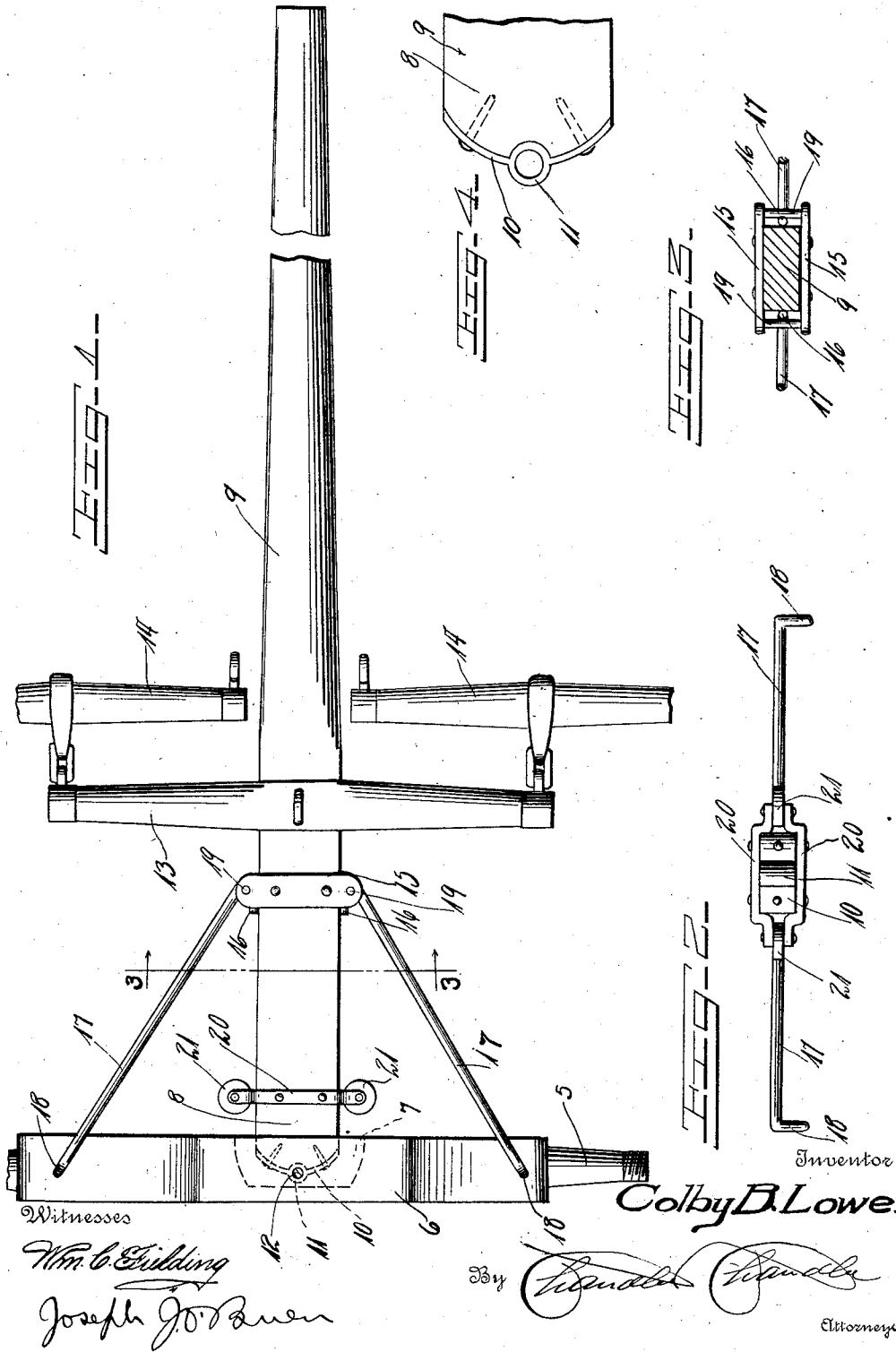


C. B. LOWE.
HAY STACKER TONGUE SUPPORT.
APPLICATION FILED AUG. 25, 1911.

1,048,084.

Patented Dec. 24, 1912.



UNITED STATES PATENT OFFICE.

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HAY-STACKER-TONGUE SUPPORT.

1,048,084.

Specification of Letters Patent.

Patented Dec. 24, 1912.

Application filed August 25, 1911. Serial No. 645,923.

To all whom it may concern:

Be it known that I, COLBY B. LOWE, a citizen of the United States, residing at Mallard, in the county of Palo Alto, State of Iowa, have invented certain new and useful Improvements in Hay-Stacker-Tongue Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in means for supporting draft poles or tongues, and the leading object of the invention is the construction of a simple attachment for holding a draft pole or tongue from contact with the ground.

Another object of the invention is the construction of a draft pole or tongue having a pair of stop wheels mounted on the rear end thereof and adapted to contact or engage with the forward cross member of the wagon frame whereby the lateral movement of the tongue on the wagon frame will be limited.

With the above and other objects the invention consists in certain constructions, combinations and arrangements of parts, clearly described in the following specification, and clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a plan view of the improved tongue mounted in an operative position on the forward cross member of a wagon or vehicle frame. Fig. 2 is an end view of the improved pole and the attachment carried thereby removed from the wagon or vehicle frame. Fig. 3 is a detail transverse sectional view taken on the line 3—3 of Fig. 1. Fig. 4 is a detail plan view of the rear end of the wagon pole.

Referring to the accompanying drawings 5 denotes the front axle of a wagon or vehicle frame on which a cross member 6 of any conventional form is arranged. The member 6 is shown formed with a recess 7 adapted to receive the rear end 8 of the draft pole 9. The rear end 8 of the draft pole 9 is slightly rounded and a bearing plate or member 10 having a centrally disposed eye 11 is rigidly mounted on said rounded end. A pivot bolt 12 extends through the eye 11 and pivotally connects the rear end 8 of the draft pole to the front member 6 of the wagon or vehicle frame. Rearwardly of the equalizing bar 13 which carries the usual whiffletrees 14 a pair of

plates 15 are bolted to the opposite sides of the draft pole or tongue 9, the ends of the plates being bent inwardly to engage the edges of the draft pole or tongue and being spaced apart from each other to receive the looped ends 16 of the hanger rods or bars 17. The hanger rods or bars 17 extend rearwardly toward the outer ends of the front cross member 6 of the vehicle or wagon frame and the rear ends of said hanger bars or rods are angularly disposed to form connecting pins or pivots 18 which are disposed in openings or sockets formed in the front cross member 6, and the front ends of the hanger rods or bars are pivotally connected by means of bolts 19 with the outer ends of the plates 15. Through the medium of the hanger bars or rods 15 the draft pole or tongue 9 will be supported on the front cross member 6 above the car.

Adjacent to the rear end of the draft pole or tongue but forwardly of the front cross member 6 two plates 20 are bolted, the outer ends of said plates being bent inwardly toward each other and being provided with wheel stops 21 which are adapted to engage with the forward edge of the cross member 6 when the tongue 9 is moved sidewise on said member and are provided to limit the sidewise or lateral movement, whereby the draft tongue will be held in a substantially central position at, or nearly at right angles to the cross member 6. The wheel stops 21 are especially useful in preventing lateral movement on the draft tongue of the vehicle frame when a driver is backing his vehicle.

The improved device will be found especially useful in connection with hay stacker tongues and can be readily applied and removed from such or other tongues.

It is of course understood that when the tongue 9 is adapted to have pivotal action on the pivot 12 engaged through the eye 11, the braces 17 are either disengaged from the cross member 6 or from the plates 15 but when it is desired to hold the tongue stationary or immovable relative to the cross member 6, the braces 17 are engaged with the cross member 6 and the plates 15, as clearly shown in Fig. 1 of the drawings.

What is claimed is:—

1. In combination with a draft tongue having its rear end pivotally secured to the forward member of a vehicle frame, a pair of plates mounted on the draft tongue forwardly of the rear end, said plates having

their ends bent inwardly and spaced apart and hanger bars pivotally secured to said inwardly bent ends and extending rearwardly and being provided with angularly disposed ends pivotally and removably connected thereby to the front cross member whereby disengagement of the bars from the ends or cross member by pivoting the same will allow pivotal movement of the tongue.

2. In combination with a draft tongue having its rear end pivotally secured to the front and cross member of a vehicle frame, a pair of plates mounted on the rear portion of the draft tongue having its ends bent inwardly to engage the edges of the draft tongue, stop wheels mounted on the ends of said plates and adapted to engage with the front edge of the forward cross member, a pair of plates mounted on the draft tongue forwardly and distantly of the first plates

and having their ends bent inwardly to engage the sides of the draft tongue, and hanger bars pivotally secured at their forward ends to the inwardly bent ends of the last plates and extending rearwardly toward the front cross member, the rear ends of said hanger bars being angularly disposed and pivotally secured thereby to the front cross member, said hanger bars being adapted to be disengaged from the cross member to permit pivotal movement of the tongue whereby said stop wheels will limit the angle of pivot of the tongue.

In testimony whereof, I affix my signature, in presence of two witnesses.

COLBY B. LOWE.

Witnesses:

CHAS. KRIEG,
MINNIE DOTY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."