

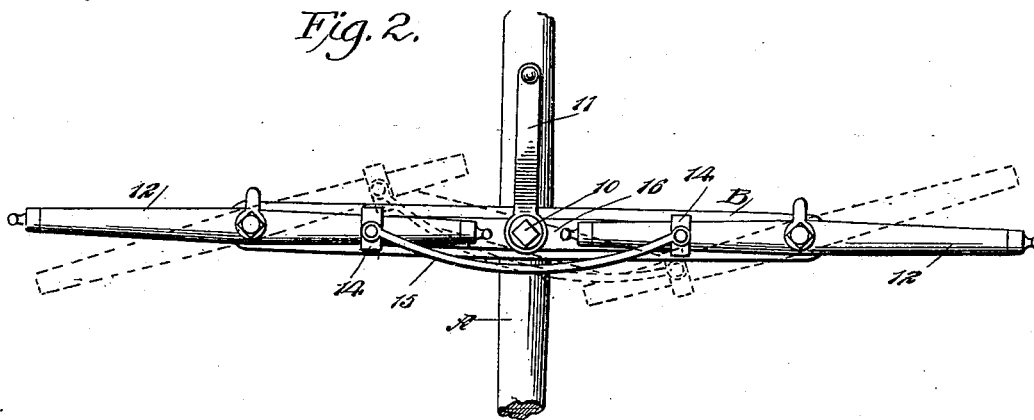
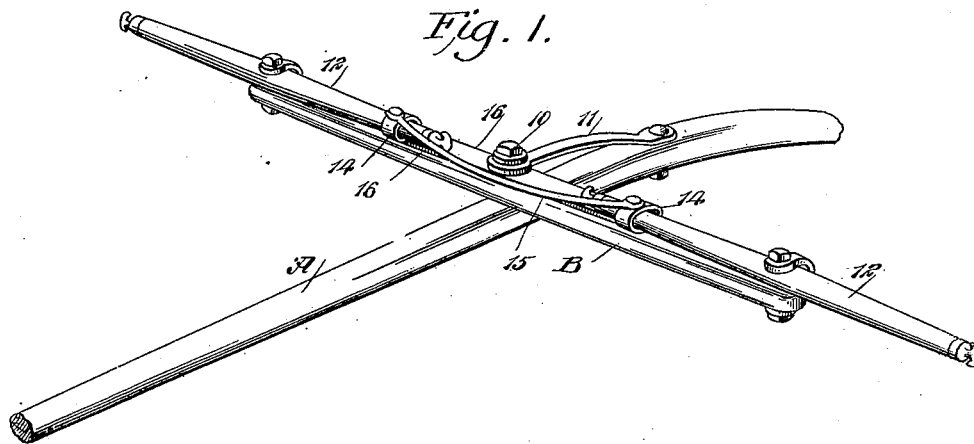
No. 648,757.

Patented May 1, 1900.

R. KLATT.
WHIFFLETREE ATTACHMENT.

(Application filed Feb. 2, 1900.)

(No Model.)



WITNESSES:

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REINHOLD KLATT, OF STRONG CITY, KANSAS, ASSIGNOR OF ONE-HALF TO
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WHIFFLETREE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 648,757, dated May 1, 1900.

Application filed February 2, 1900. Serial No. 3,715. (No model.)

To all whom it may concern:

Be it known that I, REINHOLD KLATT, a citizen of the United States, residing at Strong City, in the county of Chase and State of Kansas, have invented a new and Improved Whiffletree Attachment, of which the following is a full, clear, and exact description.

One purpose of the invention is to provide means for preventing the reins falling beneath the singletrees, the invention being particularly adapted for use in connection with pairs or teams of horses; and a further object of the invention is to provide a means whereby the action of the singletrees may be controlled relatively to the guard-bar employed for the purpose described.

Another purpose of the invention is to hold the singletree in its proper position, preventing it tipping up or down in the event the bolts holding the singletree to the doubletree become loose, as they often do.

A further purpose of the invention is to prevent the cutting or chafing of the doubletree by the singletree ends and tugs or traces. The device also serves as a stay-strap, substituting the leather strap commonly used over the center of the inside half of a singletree.

The device, in addition to being a rein-protector, constitutes a guard for the singletree through the mechanism of a metal base-plate used in connection with the device.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is a perspective view of the improved device, and Fig. 2 is a plan view of the same.

A represents the pole, and B the doubletree, which is pivoted to the pole by means of a bolt 10, passed through a bracket 11, which is carried in direction of the heel of the pole. The singletrees 12 are attached to the doubletree in the usual manner. A sleeve 14 is provided for the inner end of each singletree, the said sleeves being of such dimensions that the

singletrees may move freely therein. These sleeves 14 are pivotally connected by a guard-rod 15, which is arched, preferably, in an upward and forward direction and prevents the reins or the tails of the horses from becoming entangled with the singletrees or with the traces.

In order that the movement of the singletrees and the guard-rod shall be perfectly equalized, a base-plate 16 is provided, and the pivot-bolt 10 of the doubletree is passed through the central portion of the said base-plate. This base-plate in its normal position lies longitudinally upon the upper face of the doubletree B, with its front and rear longitudinal edges facing, respectively, forwardly and rearwardly, and the ends of the base-plate 16 are pivotally attached to the bottom portions of the sleeves 14.

With this attachment the singletrees are allowed the desired freedom of movement and the reins and the tails of the horses are prevented from falling down between and beneath the singletrees, and the singletrees are effectually guided in their necessary movements without any strain being brought to bear upon the guard-rod.

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

1. The combination, with singletrees and means on which they are mounted, of a bar pivotally mounted on the said means and having its ends respectively in slidable connection with the adjacent ends of the singletrees.

2. The combination, with singletrees and means on which they are mounted, of a bar serving as a rein-guard, the bar being pivotally mounted on said means and having its ends respectively in slidable connection with the adjacent ends of the singletrees.

3. The combination, with a doubletree and singletrees mounted thereon, of a guard pivotally mounted coincident with the pivot of the doubletree, and having its ends respectively in sliding connection with the adjacent ends of the singletrees.

4. The combination, with a doubletree and singletrees mounted thereon, of a guard-bar arched in an upwardly and forwardly direc-

tion and having its ends pivotally connected
with sleeves mounted to slide upon the inner
ends of the singletrees mounted upon the
doubletree, and a base-plate pivoted upon the
5 doubletree, the ends of the said base-plate
being pivotally attached to the under portions
of the said sleeves, as described.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

REINHOLD KLATT.

Witnesses:

D. P. BOYD,
FRANCES POWERS.