

No. 726,722.

PATENTED APR. 28, 1903.

D. L. MAYO.
WHIFFLETREE.

APPLICATION FILED JAN. 28, 1903.

NO MODEL.

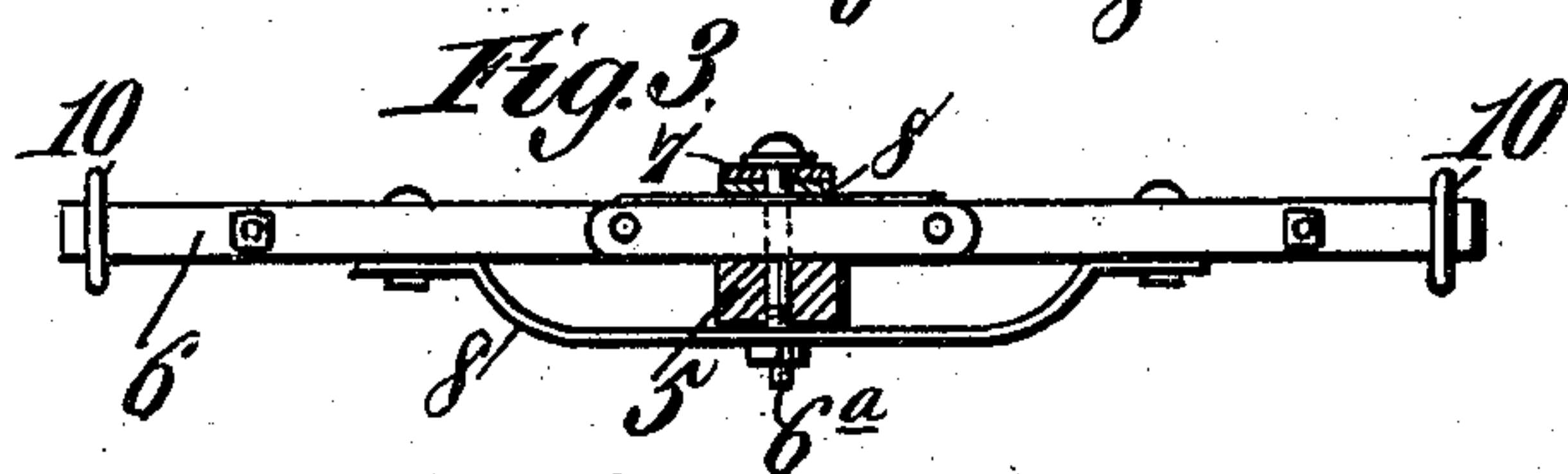
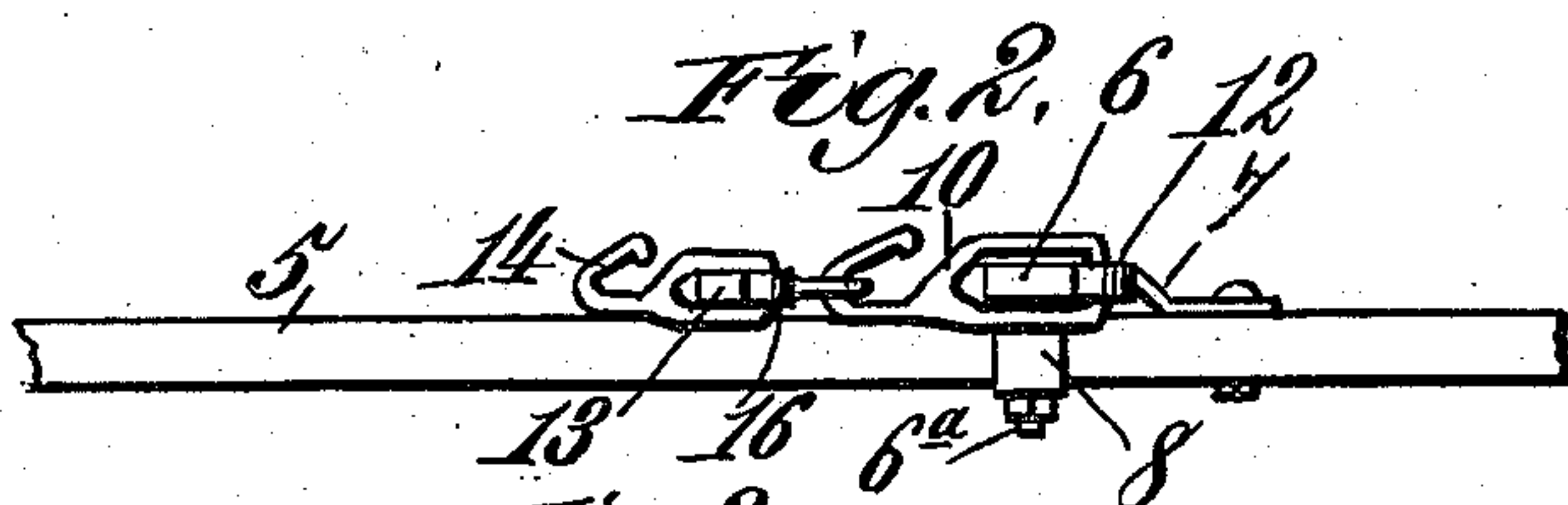
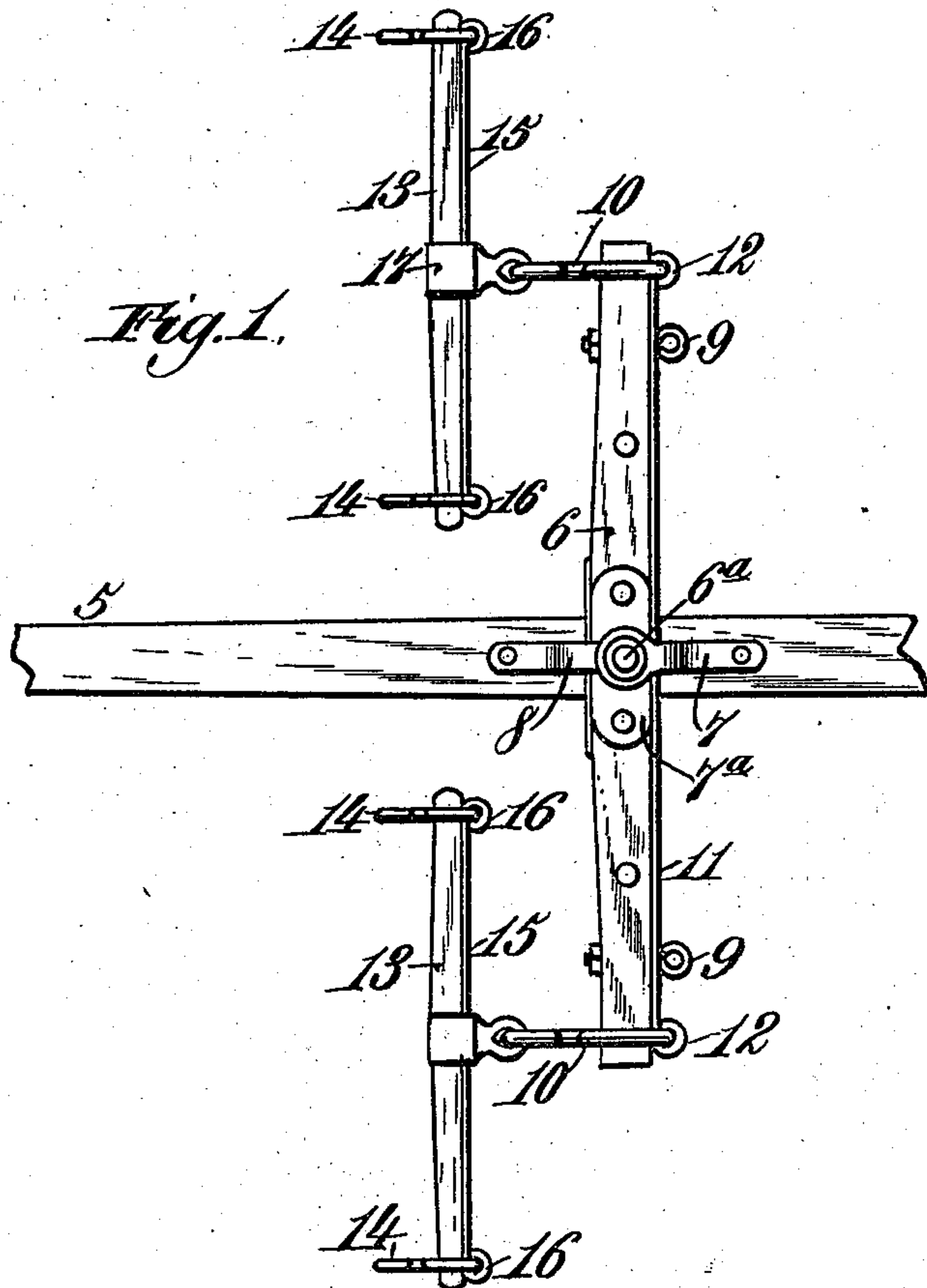
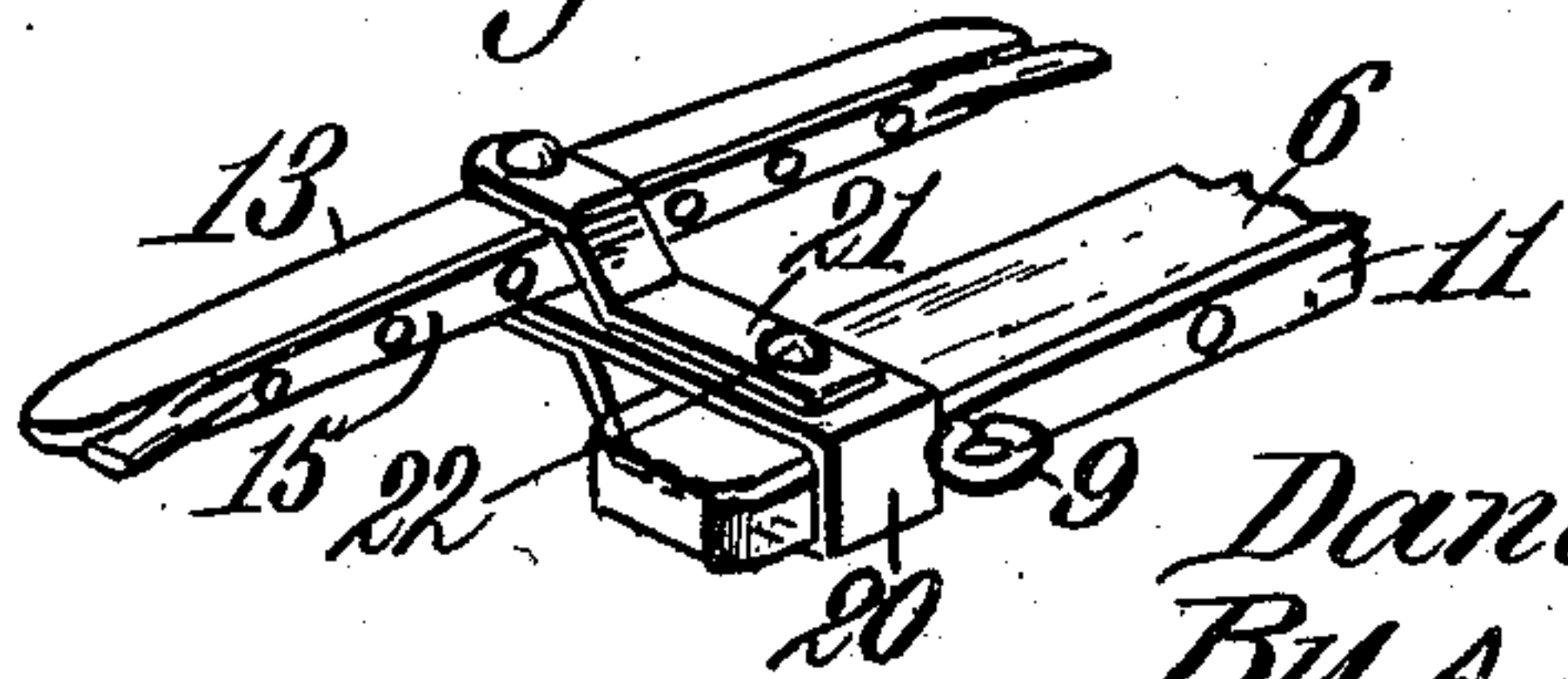


Fig. 4.



Witnesses:
Robert Everett,
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UNITED STATES PATENT OFFICE.

DANIEL L. MAYO, OF MOUNT SYLVAN, TEXAS.

WHIFFLETREE.

SPECIFICATION forming part of Letters Patent No. 726,722, dated April 28, 1903.

Application filed January 28, 1903. Serial No. 140,960. (No model.)

To all whom it may concern:

Be it known that I, DANIEL L. MAYO, a citizen of the United States, residing at Mount Sylvan, in the county of Smith and State of Texas, have invented new and useful Improvements in Whiffletrees, of which the following is a specification.

This invention relates to whiffletrees; and the object of the invention is to provide a strong device of this character which can be easily and inexpensively made.

The invention is clearly illustrated in the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a plan view of a whiffletree including my invention. Fig. 2 is a side elevation of said whiffletree. Fig. 3 is a sectional front elevation. Fig. 4 is a detail view of a modification.

Like characters refer to like parts in the several figures.

The numeral 5 indicates the pole, connected in some suitable manner with a vehicle. The doubletree 6 is mounted upon the top of the pole and is pivotally connected thereto by the usual bolt 6^a, which passes through the braces 7 and 8, resting on the plate 7^a, fastened to the upper side of said doubletree 6 and extending forwardly and rearwardly from the said doubletree and fastened at their ends by bolts or otherwise to the upper side of said pole. The doubletree in practice is set back sufficiently far that it will not strike the animals drawing the vehicle.

On the under side of the pole 6 is an arch-shaped brace 8, the bolt which connects the forwardly-extending upper brace 7 passing through the arch-shaped brace centrally thereof, and the outwardly-extending branches or arms of the said arch-shaped brace are secured to the under side of the doubletree in some suitable way—for example, by means of bolts.

Eyebolts 9 extend through the doubletree 6 transversely thereof in proximity to the outer ends of the same, the eyes of the bolts being inside the doubletree and being intended to receive the usual stay-chains. (Not shown.)

Upon the outer ends of the doubletree are the hooks 10, the shanks of which have eyes or loops to receive the said singletree. A strip 11, preferably of iron, extends longi-

tudinally and is suitably secured to the rear face of the doubletree, the ends of said strip extending through the eyes or loops of said hooks 10 and being bent inwardly upon themselves to form loops 12, which retain the hooks in place. The singletrees are denoted by 13 and are equipped at their ends with hooks 14, constructed exactly like the hooks 10, hereinbefore described. Strips 15, exactly like the strip 11, except that they are shorter, are fastened to the inner faces of the singletrees, and their ends pass through the eyes in the shanks of the hooks 14 and are bent back upon themselves to form loops 16, which retain said hooks 14 in place. The several strips therefore not only materially strengthen the single and double tree, respectively, but provide means for securely holding the hooks thereof in place. The usual traces (not shown) are adapted to be connected with the hooks 14.

Upon the inner sides of the doubletree are connected the clips 17, connected at their inner ends to the hooks 10, such clips serving as a simple means for uniting the singletrees to the doubletree.

The construction hereinbefore described is especially adapted for attachment to farm-wagons, plows, or the like, where heavy draft is necessary. For light draft work I provide a different connection for uniting the singletree to the doubletree, which I will now set forth, the same being shown in Fig. 4. Referring to said Fig. 4, the numeral 20 denotes a member of a clamp having a square loop at its inner end to receive the outer end of the doubletree 6, the cooperating clamping member being denoted by 21 and fitting at its inner end upon said loop, a bolt 22 passing through the three parts to unite them. The two clamping members extend forward from the doubletree and fit against the upper and lower sides of the singletree 13, a pivot-bolt extending through the said forward extensions and singletree.

Having thus described my invention, what I claim is—

1. The combination of a pole, a doubletree mounted upon the upper side of the same, a pivot-bolt extending through the doubletree and pole respectively, braces upon the upper side of the doubletree, their inner ends re-

ceiving said bolt and their outer ends being fastened to the upper side of the pole at opposite sides of the doubletree, an arch-shaped brace fitted against the under side of the pole, extending at right angles to said other braces and fastened at its ends to the doubletree, and said bolt extending centrally through said arch-shaped brace, a plate extending longitudinally of the doubletree, secured thereto, perforated to receive said bolt, and directly supporting said first-mentioned braces, and singletrees connected with the opposite ends of said doubletree:

2. The combination of a pole, a doubletree mounted upon the upper side of the same, a pivot-bolt extending through the doubletree and pole respectively, braces upon the upper side of the doubletree, their inner ends receiving said bolt and their outer ends being fastened to the upper side of the pole at opposite sides of the doubletree, an arch-shaped

brace fitted against the under side of the pole, extending at right angles to said other braces and fastened at its ends to the doubletree, and said bolt extending centrally through said arch-shaped brace, a plate extending longitudinally of the doubletree, secured thereto, perforated to receive said bolt, and directly supporting said first-mentioned braces, singletrees, hooks connected with the singletrees and having eyes fitted over the opposite ends of the doubletree, and a metallic strip extending longitudinally of the singletrees, and the ends of which extend through and are bent around said eyes.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DANIEL L. MAYO.

Witnesses:

U. W. PRATER,
T. L. ALLEN.