

(No Model.)

T. N. DALLIS.  
PLOW DOUBLETREE.

No. 545,272.

Patented Aug. 27, 1895.

Fig. 1

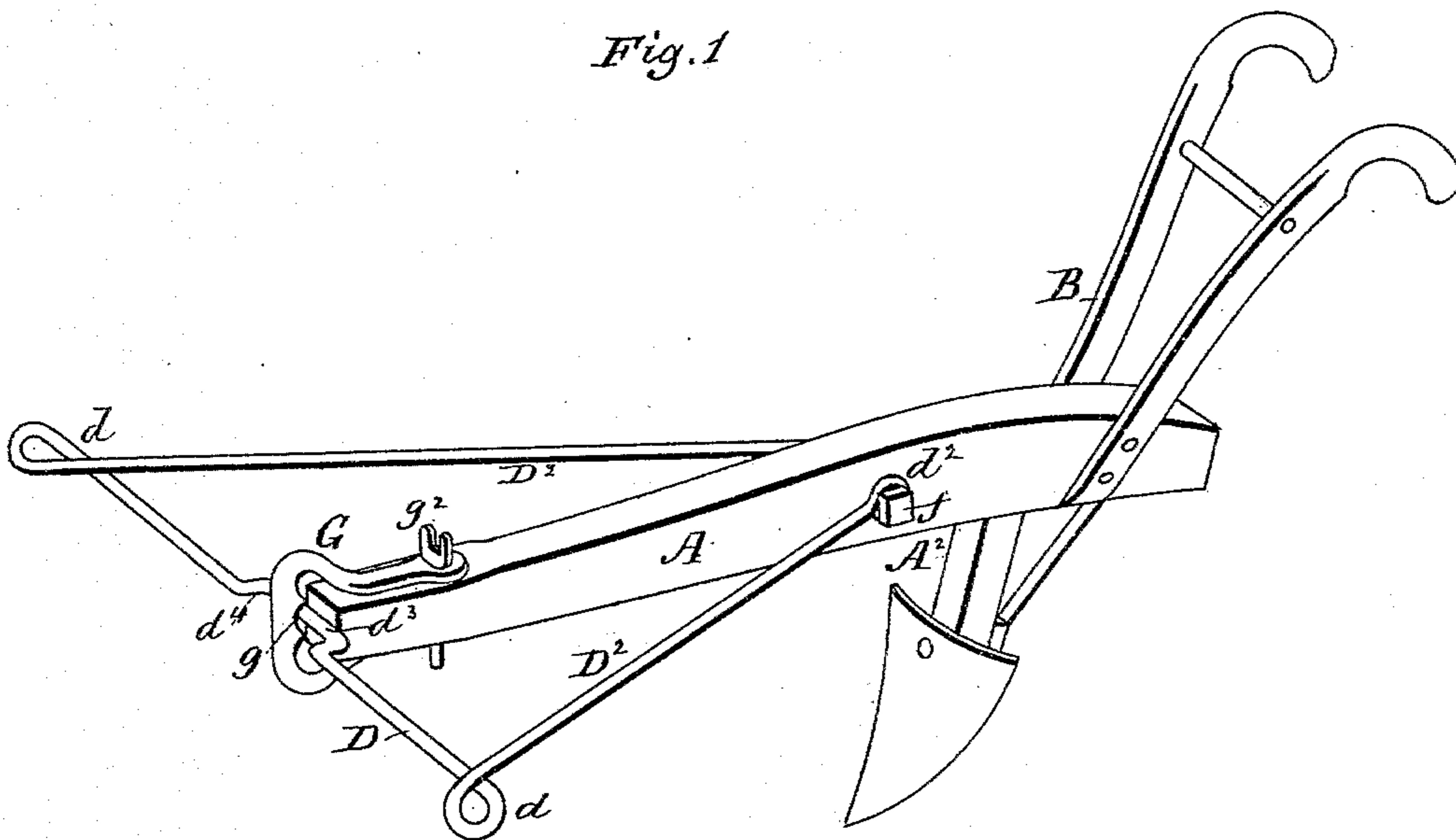
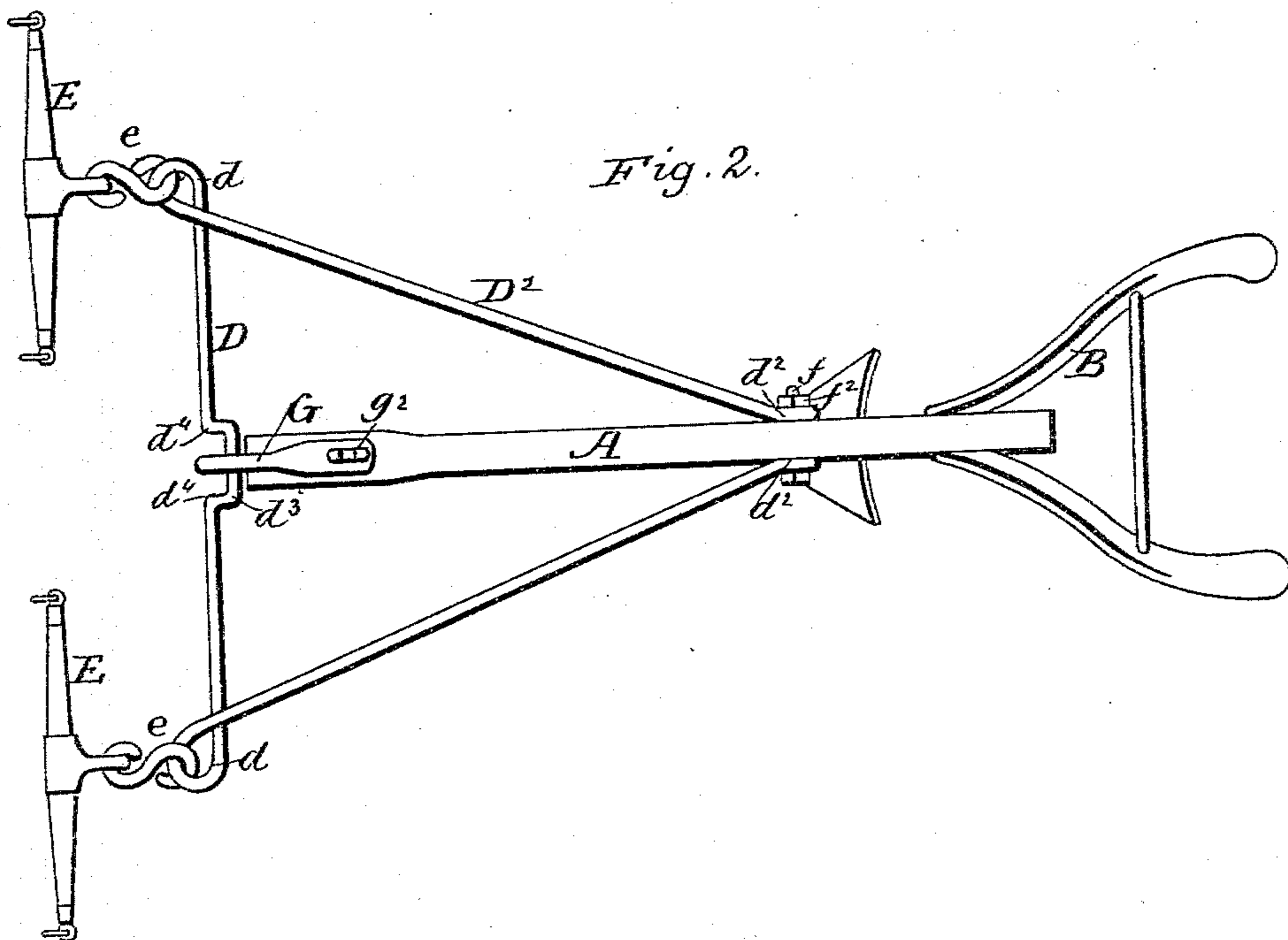


Fig. 2.



WITNESSES

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INVENTOR

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# UNITED STATES PATENT OFFICE.

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## PLOW-DOUBLETREE.

SPECIFICATION forming part of Letters Patent No. 545,272, dated August 27, 1895.

Application filed April 30, 1895. Serial No. 547,682. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS N. DALLIS, a citizen of the United states, residing at Spartanburg, in the county of Spartanburg, State of South Carolina, have invented certain new and useful Improvements in Plow-Doubletrees, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The objects of my improvement are to produce a light and inexpensive, but strong and convenient doubletree for a plow, to which two horses can be harnessed without danger of its knocking against their heels or of dragging on the ground, permitting also the horses to be closer to the plow, which renders the draft lighter, and allowing them to turn a shorter corner or to plow closer to an obstruction. I attain these objects by the construction illustrated in the accompanying drawings, in which—

25 Figure 1 is a perspective view of a plow provided with a doubletree constructed and secured to said plow in accordance with my invention. Fig. 2 is a top view of the same with the addition of the whiffletrees.

30 In said drawings, A represents a plow-beam, having a standard  $A^2$ , of any suitable construction, and handles B, as usual. The doubletree consists of a rod D, having two looped bends  $d$  about one-third of its length to constitute eyes for connection with the whiffletrees E. The other two-thirds of the rod D constitute braces  $D^2$  for the ends of the doubletree proper, said braces converging from the eyes  $d$  toward the sides of the plow-beam. Said braces are provided at their rear ends with eyes  $d^2$  to receive a bolt  $f$ , that is made to pass through them and also through a hole made horizontally through the beam at a short distance in front of the plow-standard, a nut  $f^2$  being placed on the bolt  $f$  to clamp the parts together. To prevent the doubletree from dropping below the level of the end of the plow-beam the central portion of said

doubletree is received within the looped end of a plow-clevis G, or within one of the notches  $g$ , made, as usual, on the inner face of said loop, the clevis G being secured, as usual, to the plow-beam by a bolt or pin  $g^2$ , passing vertically through the rear ends of the clevis and through the beam A. To prevent any excessive lateral displacement of the doubletree relatively to the end of the plow-beam—for example, when the team is turning a corner—a rearwardly-extended bend  $d^3$  is formed on the doubletree centrally of its length, the sides  $d^4$  of said bend constituting abutments to bear against the sides of the front loop of the clevis, and thus any undue endwise motion of the doubletree is arrested by the clevis. The whiffletrees E are connected to the eyes  $d$  at the ends of the doubletree proper by hooked links  $e$ , as usual.

Having now fully described my invention, I claim—

1. In combination with a plow-beam and its clevis, a doubletree consisting of a rod D passed longitudinally through the loop of said clevis, and having looped bends thereon, and two braces converging from said looped bends to the sides of the plow-beam, the rear end of said braces being secured to the plow-beam substantially as described.

2. In combination with a plow beam and its clevis, a doubletree consisting of a rod D having a rearwardly extended bend  $d^3$  in the middle of its length and passed longitudinally through the loop of said clevis, eyes  $d$  upon said rod and two braces integral with the rod D and converging rearwardly, the rear end of said braces being secured to the plow beam substantially as described.

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

T. N. DALLIS.

Witnesses:

W. C. HEATH,  
FRANK LOWE, Jr.