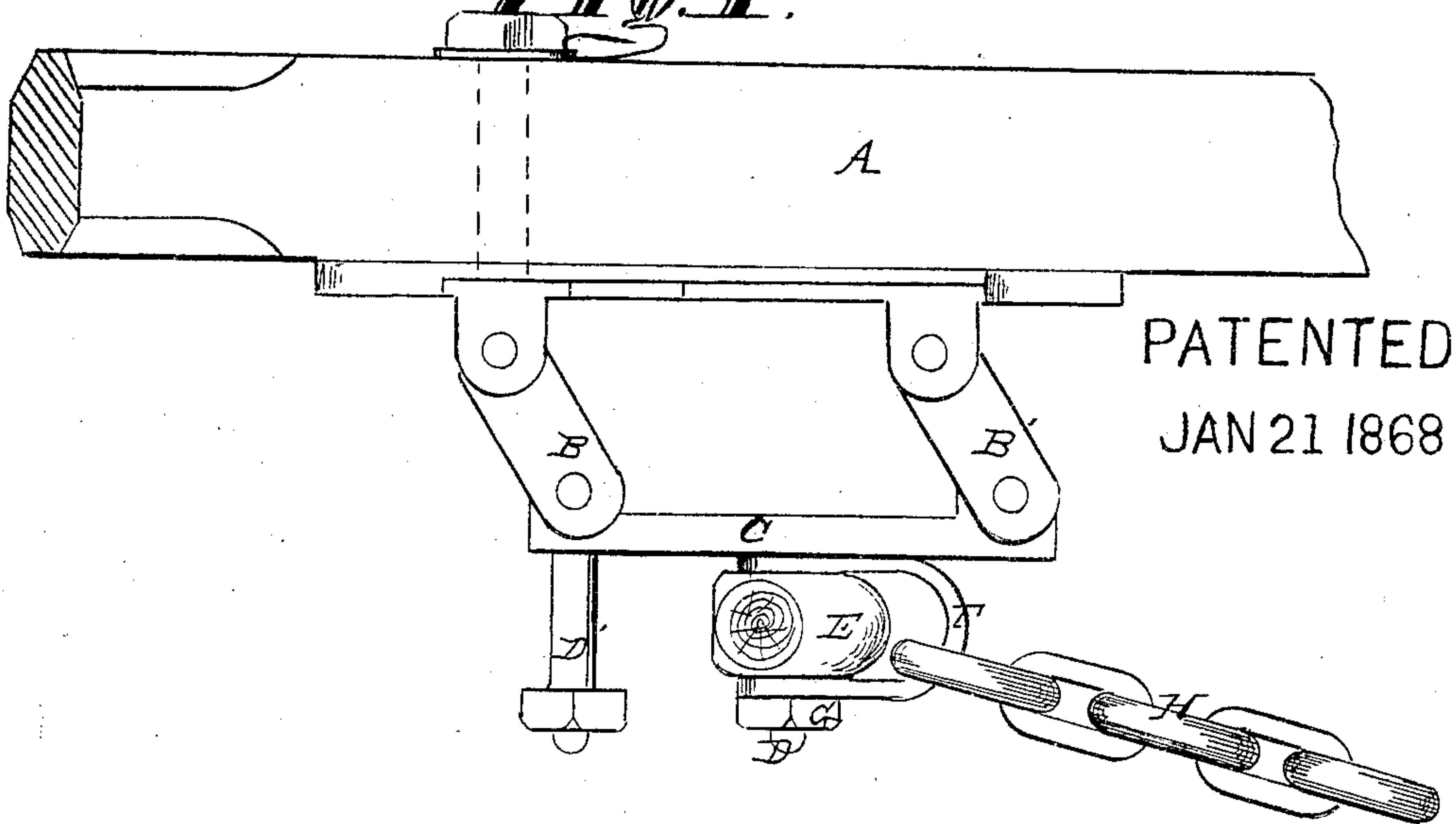


*H.W. Pell.*

*Draught Attach<sup>t</sup> for Harv.<sup>r</sup>*

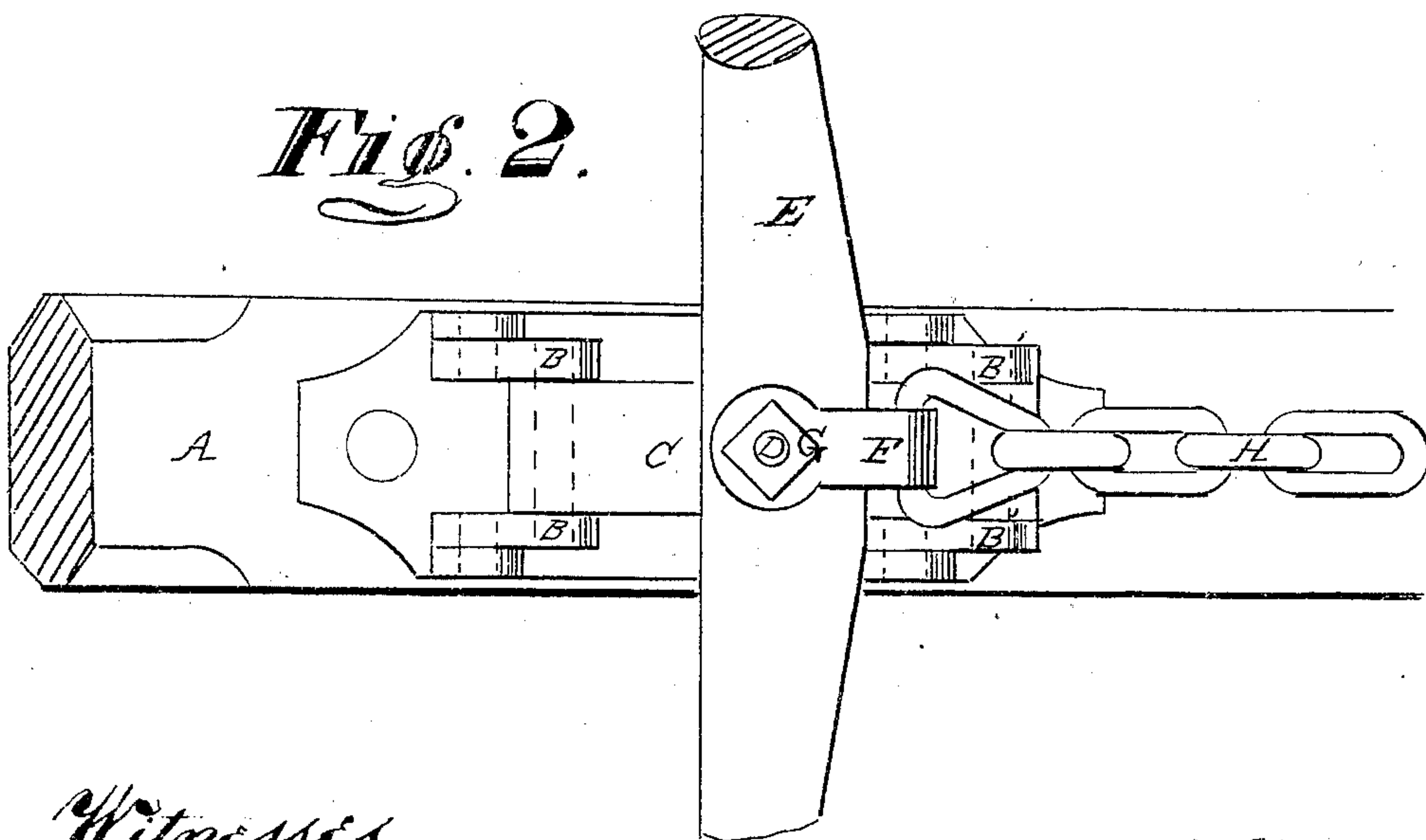
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*Fig. 1.*



PATENTED  
JAN 21 1868

*Fig. 2.*



*Witnesses*

*James L. Ewin*

*E. M. Bowen*

*H. W. Pell*

*By Knapp & Bros*

*Attorneys*

# United States Patent Office.

HENRY W. PELL, OF ROME, NEW YORK.

*Letters Patent No. 73,642, dated January 21, 1868.*

## IMPROVEMENT IN HARVESTERS.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY W. PELL, of Rome, in the county of Oneida, and State of New York, have invented a new and useful Improvement in Draught-Attachments for Harvesters; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which are made a part of this specification.

Figure 1 is a side elevation of a portion of the tongue of a harvester, with draught-attachments, illustrating my invention.

Figure 2 is an under side view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists in connecting the draught-attachments to the tongue by means of a longitudinal bar, carrying the whiffle-tree bolt, and mounted at its ends upon swinging pendent arms, pivoted to the under side of the tongue, as hereinafter described.

In the drawings, A represents the tongue of the machine. B B' are two pairs of pendent arms, pivoted to a plate on the under side of the tongue, and carrying at their lower extremities a longitudinal bar, C, to which the double-tree bolt or stud D is rigidly attached. E represents the double-tree, and F the draught-clevis, which are confined upon the stud D by a nut, G. H is the draught-chain, extending from the clevis F back to the frame of the machine.

By this arrangement the whiffle-trees are securely held against lateral displacement, an upward draught is communicated to the beam to carry it easily over obstructions, and by the free longitudinal play afforded to the draught-attachments, the cutting-apparatus is caused to conform freely and easily to inequalities in the surface of the ground.

If preferred, a single pair of pendent arms, B B, may be used, pivoted at their upper ends to a T-headed bolt, passing through the tongue, and at their lower ends to a T-headed bolt, D', as illustrated in red in fig. 1, the double-tree and draught-clevis being mounted on the bolt D'.

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

1. The longitudinal bar C, connected at each end to the tongue, by swinging arms B B', and carrying a stud or bolt, D, on which the double-tree and draught-clevis are mounted, substantially as and for the purposes set forth.

2. One or more pairs of swinging arms, B, supporting the draught-clevis and whiffle-tree bolt, vertically and laterally, and permitting their free play longitudinally beneath the tongue.

HENRY W. PELL.

Witnesses:

H. H. GLINES,

E. R. PELL.