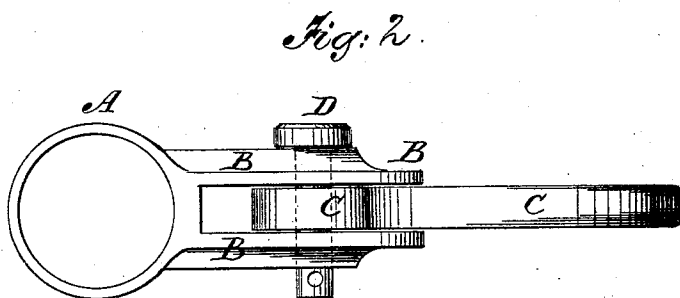
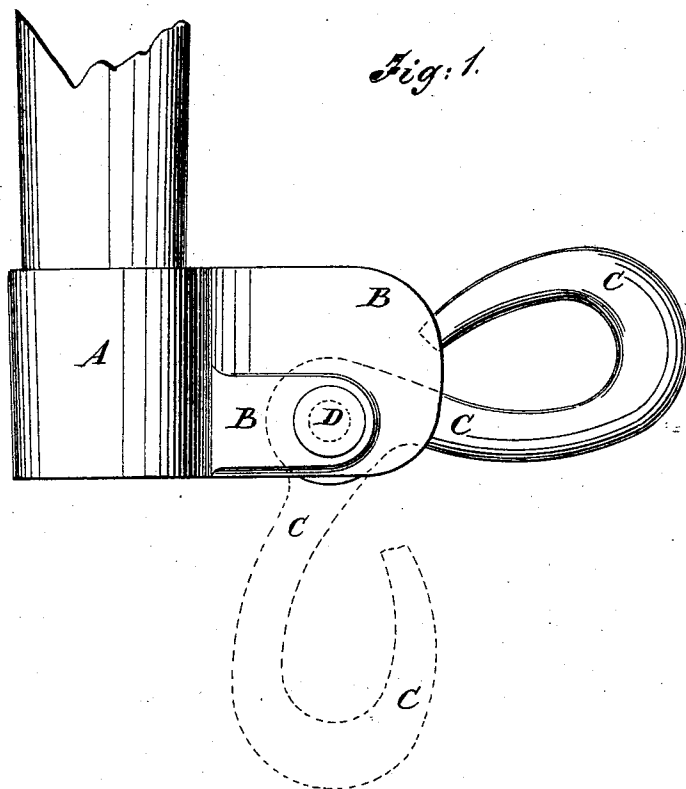


W. STARLING.
 Ferrules and Hooks for Whiffletrees.

No. 151,804.

Patented June 9, 1874.



Witnesses:

Chas. Nida
C. S. Quinn

Inventor:

W. Starling
 Per *Wm. H. [Signature]*
 Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM STARLING, OF LA PRAIRIE, ILLINOIS.

IMPROVEMENT IN FERRULES AND HOOKS FOR WHIFFLETREES.

Specification forming part of Letters Patent No. **151,804**, dated June 9, 1874; application filed March 14, 1874.

To all whom it may concern:

Be it known that I, WILLIAM STARLING, of La Prairie, in the county of Marshall and State of Illinois, have invented a new and useful Improvement in Ferrule and Hook for Whiffletrees, of which the following is a specification:

Figure 1 is a top view of my improved device, and Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claim.

A is the ferrule, which is fitted upon and secured to the end of the whiffletree in the usual manner. Upon the forward side of the ferrule A is formed a slotted lug, B, to receive the eye of the hook C, which is secured to said lug by a pin, D. The part of the lug, B, through which the pin-hole is formed, and between the said pin-hole and the ferrule A, is made of such a thickness as will give sufficient strength.

The part of the lug B in front of the pin-hole, and upon its inner side, may be made thin, as

said parts serve only as a guard to cover and protect the point of the hook when it is extended forward and swung inward. This thin part does not project along the outer edge of the lug, so that when the hook C is swung outward its point will be uncovered, and the lug or trace can be readily attached and detached.

When used in plowing, the iron pin D may be replaced with a wooden one, so that should the plow strike an obstacle the said pin may break, and thus prevent the plow from being broken.

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

The combination of ferrule A, having lug B, with horizontal walls, the cock-eye C, and the pin D, as and for the purpose specified.

WILLIAM STARLING.

Witnesses:

HENRY ROBINSON,
GEORGE NURS.