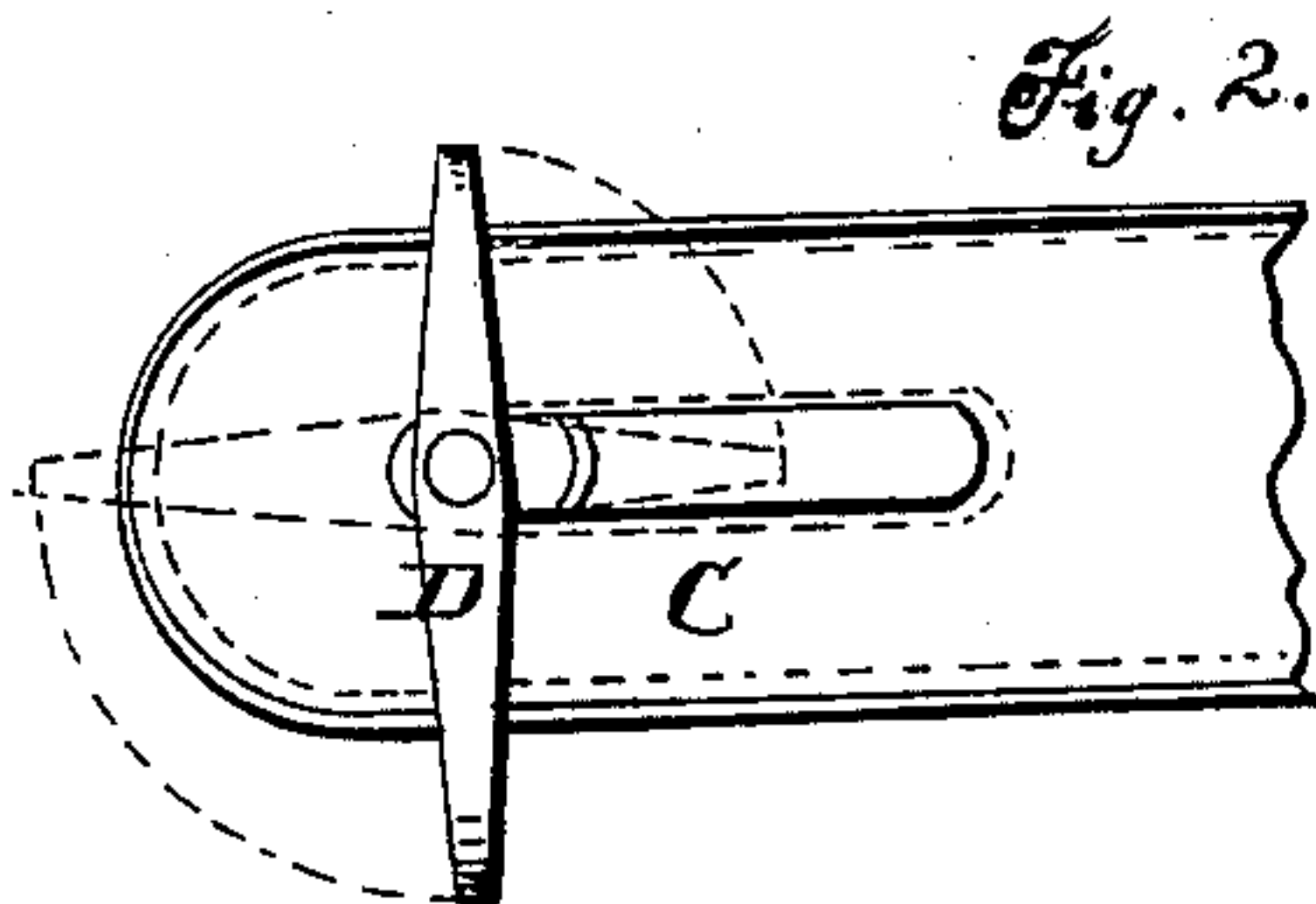
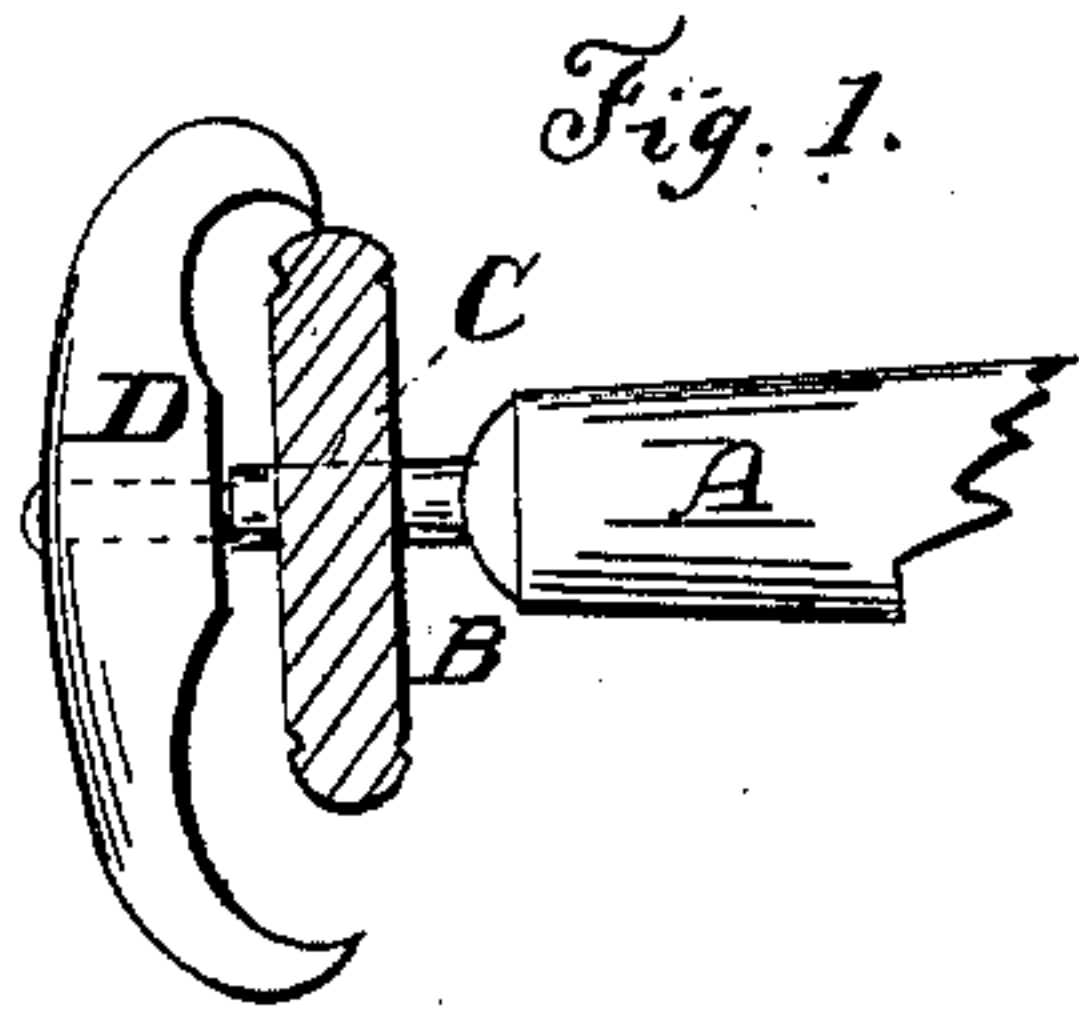


M: F. LANNING.
Whiffletree Swivel.

No. 82,233.

Patented Sept. 15, 1868.



Witnesses.

Harry King
Leopold Guert

Inventor.

M. F. Lanning
per Alexander Pearson
Atty.

United States Patent Office.

M. F. LANNING, OF WHITE HOUSE, NEW JERSEY.

Letters Patent No. 82,233, dated September 15, 1868.

IMPROVEMENT IN WHIFFLE-TREE SWIVEL.

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, M. F. LANNING, of White House, in the county of Hunterdon, and in the State of New Jersey, have invented certain new and useful Improvements in Whiffle-Tree Swivels; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the mode of securing the trace to the whiffle-tree, and preventing the same from being unfastened while coming down-hill, by means of a movable swivel, which has a pin attaching it to the main stem of the ordinary iron on a whiffle-tree; the swivel playing on this pin in such a way that after the trace is fastened to the swivel, this swivel describes a half circle, and effectually prevents the trace from unloosening from the whiffle-tree. The swivel is so constructed that, by its own weight, it takes a position, after the trace is secured, which renders it impossible for the same to become detached from the swivel.

In order to enable others skilled in the art to which my invention appertains to make and use my invention, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a front view, and

Figure 2 a side view.

A represents the end of a whiffle-tree, to which the ordinary iron, B, is attached in the usual mode. To the end of iron, B, a swivel, D, is pivoted, by means of a pin or screw passing through the same and into the end of the iron.

The swivel D is made of any material desired, one end longer than the other, which will cause it to remain in a perpendicular position, and render it impossible for the trace to get loose while going down-hill, as is frequently the case with the common eye now in use, causing the whiffle-tree to strike the horse's heels. Both ends are bent inwards, as shown in fig. 1, forming hooks.

This device is particularly designed for light wagons, being simple, safe, durable, and cheap. Its superiority over anything of the kind in use will be easily seen, both for safety and ease of attaching and detaching the trace C.

The proper mode of attaching the trace is to bring the swivel in a horizontal position, with the longer end to the rear; then, by taking the trace in the right hand, inserting the long end in the hole of the trace first, it will easily slip over to its place; then press the butt end of the brace slightly with the left thumb, turn the swivel to its proper position, and all is right.

In taking it off, turn the swivel as before, bring the hole over the short end first, push the trace to the rear, and it will come over the long end without any trouble.

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

The movable swivel D, constructed as described, with one end longer than the other, and pivoted to the end of the iron, B, for the purpose of attaching trace to a whiffle-tree, substantially as herein set forth.

In testimony that I claim the foregoing, I have herunto set my hand, this 17th day of August, 1868.

M. F. LANNING.

Witnesses:

JOHN N. VOORHEES,

LEOPOLD EVERT.