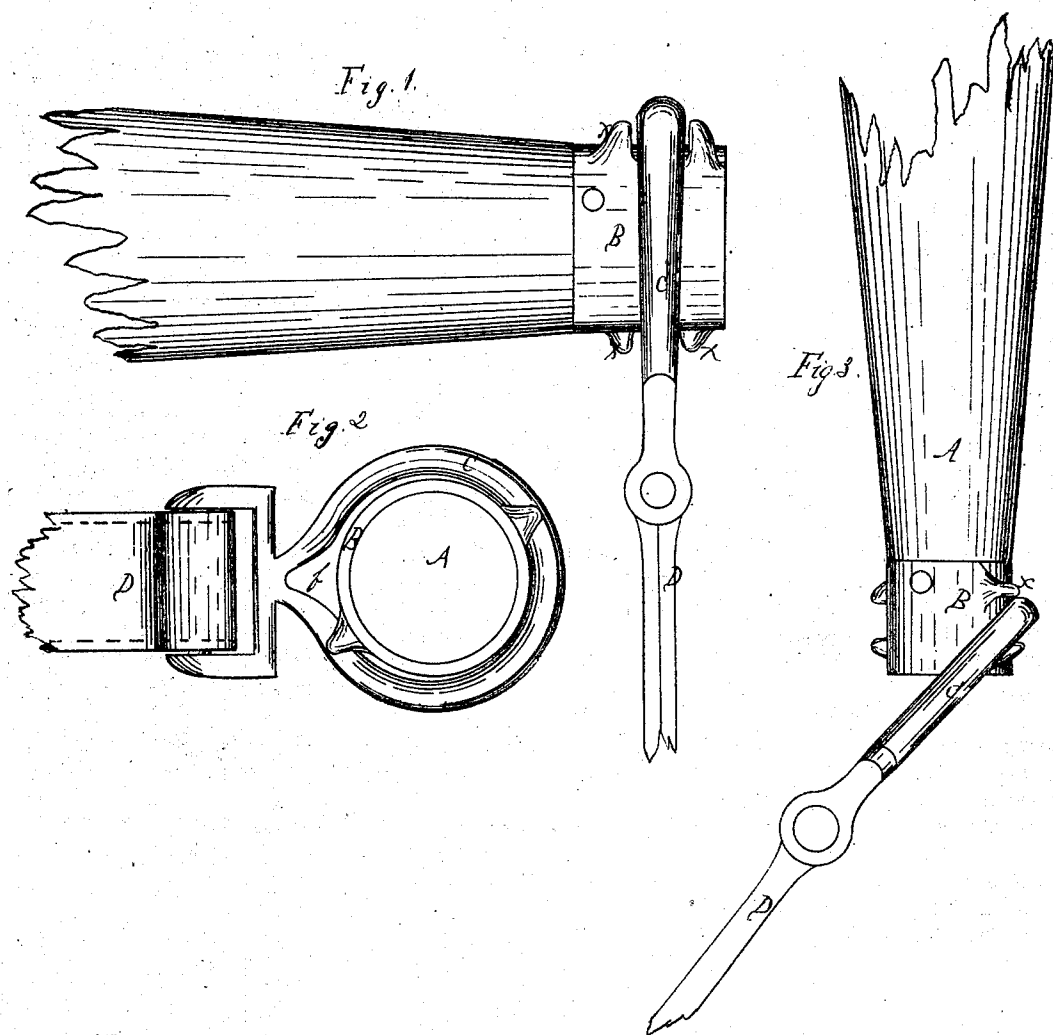


S. Smith.
Attaching Traces to Whiffle-Trees.
N^o 75803 *Patented Mar. 24, 1868.*



Witnesses.

V. D. Stockbridge
 C. A. Plue

Inventor.

Samuel Smith
 per
 Abraham Thason
 atty

United States Patent Office.

SAMUEL SMITH, OF PLAINVIEW, MINNESOTA.

Letters Patent No. 75,803, dated March 24, 1868.

IMPROVED MODE OF ATTACHING TRACES TO WHIFFLE-TREES.

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, SAMUEL SMITH, of Plainview, in the county of Wabasha, and in the State of Minnesota, have invented certain new and useful Improvements in Mode of Attaching Traces to Whiffle-Trees; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

In the annexed drawings, making a part of this specification, A represents one end of an ordinary swingle-tree, and B represents a metallic ferrule on the end thereof. The ferrule B is made of any metal desired, and is either cast or malleable, and is provided with two knobs or projections, *x x*, on opposite sides, for the purpose of securing and holding the ring or cock-eye C of the harness-tug D. This ferrule is screwed or planed to the swingle-tree A, to prevent its turning or slipping on the said swingle-tree, and in such manner that the projections *x x* will be at any desired angle with the plane of the swingle-tree. C represents a metallic ring or cock-eye, made in the ordinary form and manner, and of sufficient size or dimensions to fit on the ferrule B, with a notch or enlargement, *f*, so that it may be adjusted by passing over the projections *x*. By elevating or depressing the front end of the cock-eye C, and hooking it over one of the knobs *x*, the enlargement *f* allows it to readily slip over the opposite knob *x*, and thus the harness-tug D is fastened in a simple and easy manner to the swingle-tree A. D represents one end of a harness-tug, which is attached in the usual manner to the cock-eye C.

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

The combination of the ferrule B, with its projections *x x x x*, and the ring C, with its enlargement *f*, all constructed and used substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 30th day of December, 1867.

SAMUEL SMITH.

Witnesses:

H. P. WILLSON,

G. W. WILSON.