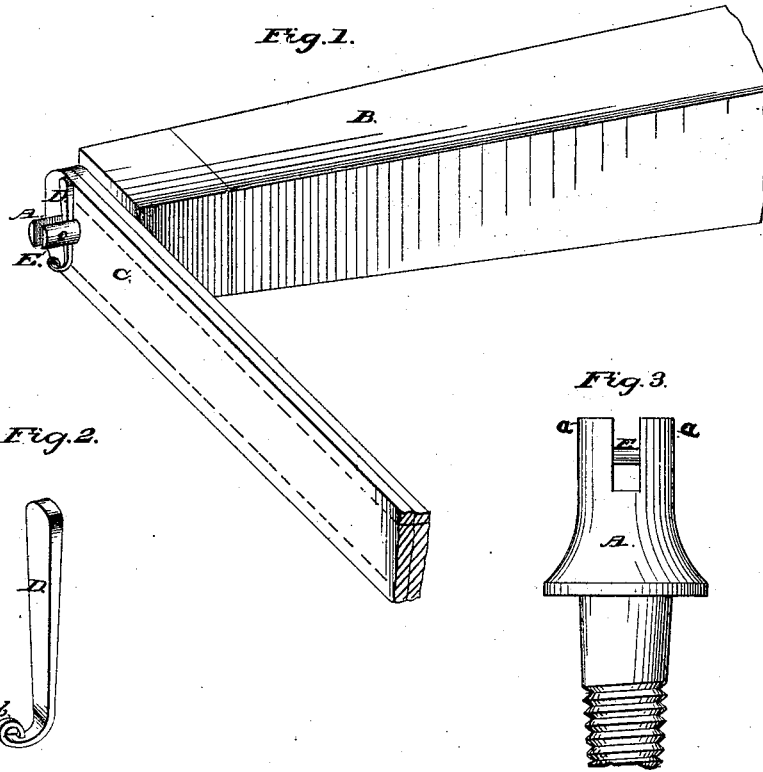


S. M. HAMBLIN.  
WHIFFLETREE-FASTENING.

No. 191,235.

Patented May 29, 1877.



*Attest:*

*Standish Brown*  
*James D. Thompson, Jr*

*Inventor:*

*Stephen M Hamblin*

# UNITED STATES PATENT OFFICE.

STEPHEN M. HAMBLIN, OF MATTAPOISETT, ASSIGNOR OF ONE-HALF HIS  
RIGHT TO GEORGE F. TUCKER, OF NEW BEDFORD, MASSACHUSETTS.

## IMPROVEMENT IN WHIFFLETREE-FASTENINGS.

Specification forming part of Letters Patent No. **191,235**, dated May 29, 1877; application filed  
January 31, 1877.

*To all whom it may concern:*

Be it known that I, STEPHEN M. HAMBLIN, of Mattapoisett, in the county of Plymouth, and State of Massachusetts, have invented certain new and useful Improvements in Whiffletree-Fastenings; and I 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, which form a part of this specification.

My invention relates to an improved method of attaching traces to whiffletrees, and consists in the construction and arrangement of the various fastening devices hereinafter described and claimed.

Figure 1 is a perspective view of my invention. Fig. 2 is a view of the fastening-slide; and, Fig. 3 is a view of the pin which is secured to the end of the whiffletree.

The pin A is provided at one end with a thread, by means of which it is screwed into the end of the whiffletree B, its outer end or head forming a truncated conoid, which is slotted to form the ears *a a*. C represents the trace, which is perforated at one end for the passage of the pin A. D is a wedge-shaped fastening-slide, provided with a coiled extremity, *b*, which is passed between the ears *a a*, and secured by a rivet, E, which connects the two ears.

When the trace is to be attached to the whiffletree, or removed therefrom, the slide D is pulled upward and outward, so as to be brought in line with and form a continuation of the pin A, its curved lower end engaging with the rivet E, so that it will not become detached therefrom. After the trace has been passed over the pin A, the slide D is brought at right angles with the same, thereby holding the trace securely in position and forming a neat and reliable fastening.

I am aware that trace-fasteners have been made consisting of a slotted plate pivoted to the end of a pin, which is secured to the whiffletree in such a manner that the plate will form a continuation of the pin when the trace is to be attached or removed, and so that it may be adjusted at right angles with the same after the trace is attached, as shown in Letters Patent No. 68,505, granted to Charles Hayden, September 3, 1867; but such construction I do not claim.

I claim as my invention—

The pin A, having ears *a a* and rivet E, in combination with the wedge-shaped fastening-slide D, provided with a coil, *b*, substantially as and for the purpose described.

STEPHEN M. HAMBLIN.

Attest:

JAMES D. THOMPSON, Jr.,  
STANDISH BOURNE.