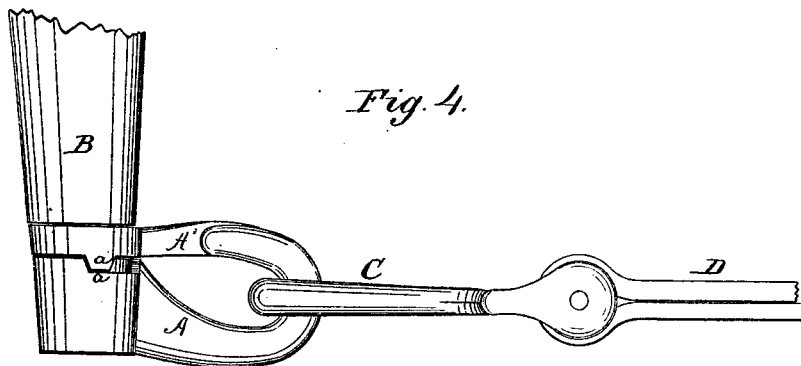
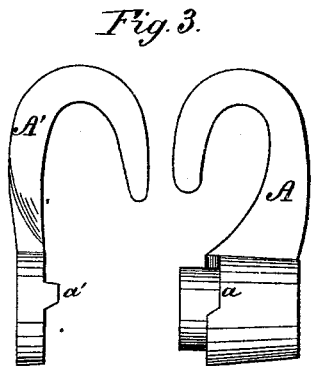
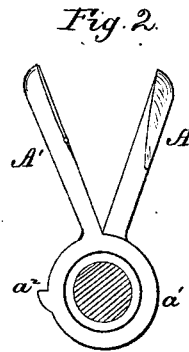
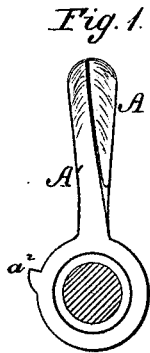


A. A. WISE.
WHIFFLETREE-HOOK.

No. 184,000.

Patented Oct. 31, 1876.



WITNESSES:

W. W. Hollingsworth
John A. Remon

INVENTOR:

Adam A. Wise

BY

Russell V. Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ADAM A. WISE, OF BELLE PLAINE, IOWA, ASSIGNOR TO HIMSELF, A. B. HEAD, AND P. W. THOMPSON.

IMPROVEMENT IN WHIFFLETREE-HOOKS.

Specification forming part of Letters Patent No. 184,000, dated October 31, 1876; application filed September 28, 1876.

To all whom it may concern:

Be it known that I, ADAM A. WISE, of Belle Plaine, in the county of Benton and State of Iowa, have invented a new and Improved Safety Whiffletree-Hook; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figures 1 and 2 are end elevations of my whiffletree-hook open and closed. Fig. 3 is a side elevation, showing the sections separated. Fig. 4 is a plan view, exhibiting the device connected with trace and whiffletree.

The invention relates to means by which a trace may be so securely attached to a whiffletree-hook that all liability of escape under any contingency is effectually removed.

The invention will first be described in connection with the drawing, and then pointed out in claim.

A A' represent the two sections of my improved whiffletree-hook, each provided with a tubular shank, by which the former is secured by a screw or other fastening to the end of a whiffletree, B, the latter being on the inside and loose. The section A has a recess, *a*, in which plays the side stud *a'* of the one, A', the former thus limiting the extent to which the latter is permitted to move.

The section A being made fast while the other is loose, they may be very conveniently separated, so as to allow the insertion of the trace-loop. I may or may not employ a light spring in connection with the movable section, or a finger-rest, *a*², by which it can be more readily separated from the other section.

The loop C of a trace, D, is carried around the bottom hook and under the top one until it bears against the whiffletree, when the upper one is dropped upon the lower, and the loop securely inclosed.

No slacking of the traces in passing down a declivity, or jolting from rough roads or fast driving, can possibly so separate the hook-sections as to admit an escape of the trace.

Having thus described my invention, what I claim as new is—

The combination of two hook-sections A A', having tubular shanks, the former fixed, and provided with recess *a*, while the latter has a side stud, and is movable on whiffletree, as and for the purpose described.

ADAM A. WISE.

Witnesses:

GEO. C. SCRIMGEOUR,
J. W. DUNN.