

Whiffletree.

Patented Aug 3, 1858



UNITED STATES PATENT OFFICE.

GEO. F. OUTTEN, OF NORFOLK COUNTY, VIRGINIA.

SAFETY-WHIFFLETREE.

Specification of Letters Patent No. 21,081, dated August 3, 1858.

To all whom it may concern:

Be it known that I, G. F. OUTTEN, of Norfolk county, State of Virginia, have invented a new and useful Improvement in Self-Adjusting Whiffletrees; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to letters of reference marked thereon, in which—

Figure 1 is a plan view of my invention attached to the trace. Fig. 2 is a plan view with the trace detached. Fig. 3 is an end view without the trace, but in position for fastening the same to it; Fig. 4, an end view in the position after the trace is detached.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the construction of my invention I use any of the known materials for the purpose.

The letters referring to the component parts are the same in each figure.

A the whifle-tree, B rod, C C C C clips or bands, D D hooks, E E traces, F lever, G strap.

To the whifle-tree A, I attach the rod B by the use of the clips or bands C C C C. The hooks D D are made fast upon the ends of the rod B, and are so constructed as to represent each a part or section, the one of a right and the other of a left hand screw. The lever F is also attached to the rod B. The strap G is attached to the lever F and

is also connected with the carriage in the most convenient place to be within the reach of the driver, and is operated as follows: When the horse is drawing on the traces E E the lever F is down as shown in plan view Fig. 1 and end view Fig. 3. In case of a desire to detach the horse, the driver has only to draw upon the strap G, which being connected with the lever F, raises it, by which the rod B is made to revolve in the clips or bands C C C C, in connection with which also the hooks D D by their screw like construction are made to revolve, or are thrown back, so as to disengage or throw off the traces E E, as shown in plan view Fig. 2 and end view Fig. 4, which releasement commences from the time that the rod B, together with the hooks D D, begins to revolve, and discharges the traces when it has revolved a fourth of a circle.

Having thus described the construction and operation of my invention what I claim as new and desire to secure by Letters Patent, is:

The hooks D, constructed with two different angles, and which allow the traces to commence detaching as soon as they commence revolving, and are released entirely at one fourth of a revolution, operating as and for the purposes set forth.

G. F. OUTTEN.

Witnesses:

W. W. JACOBS,
F. G. CLAYTON.