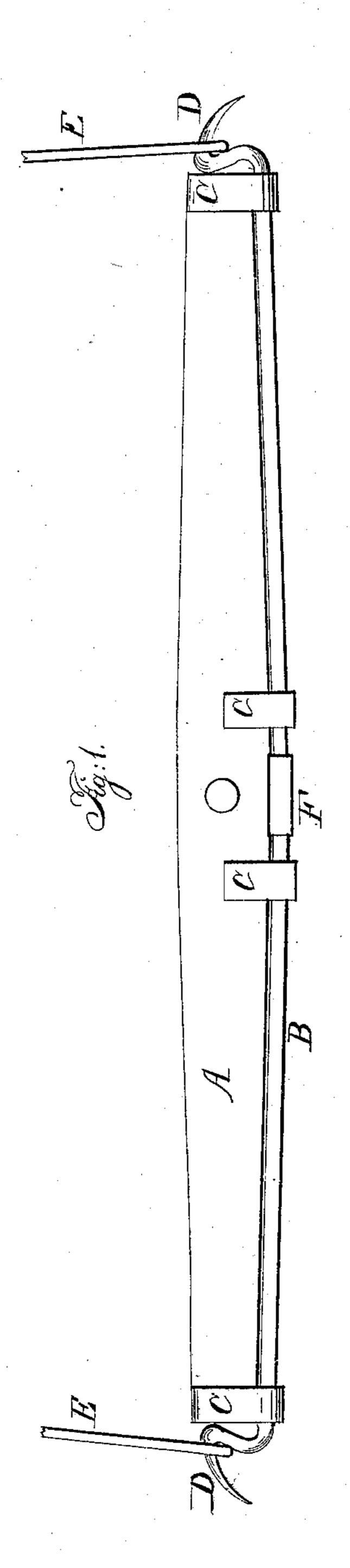
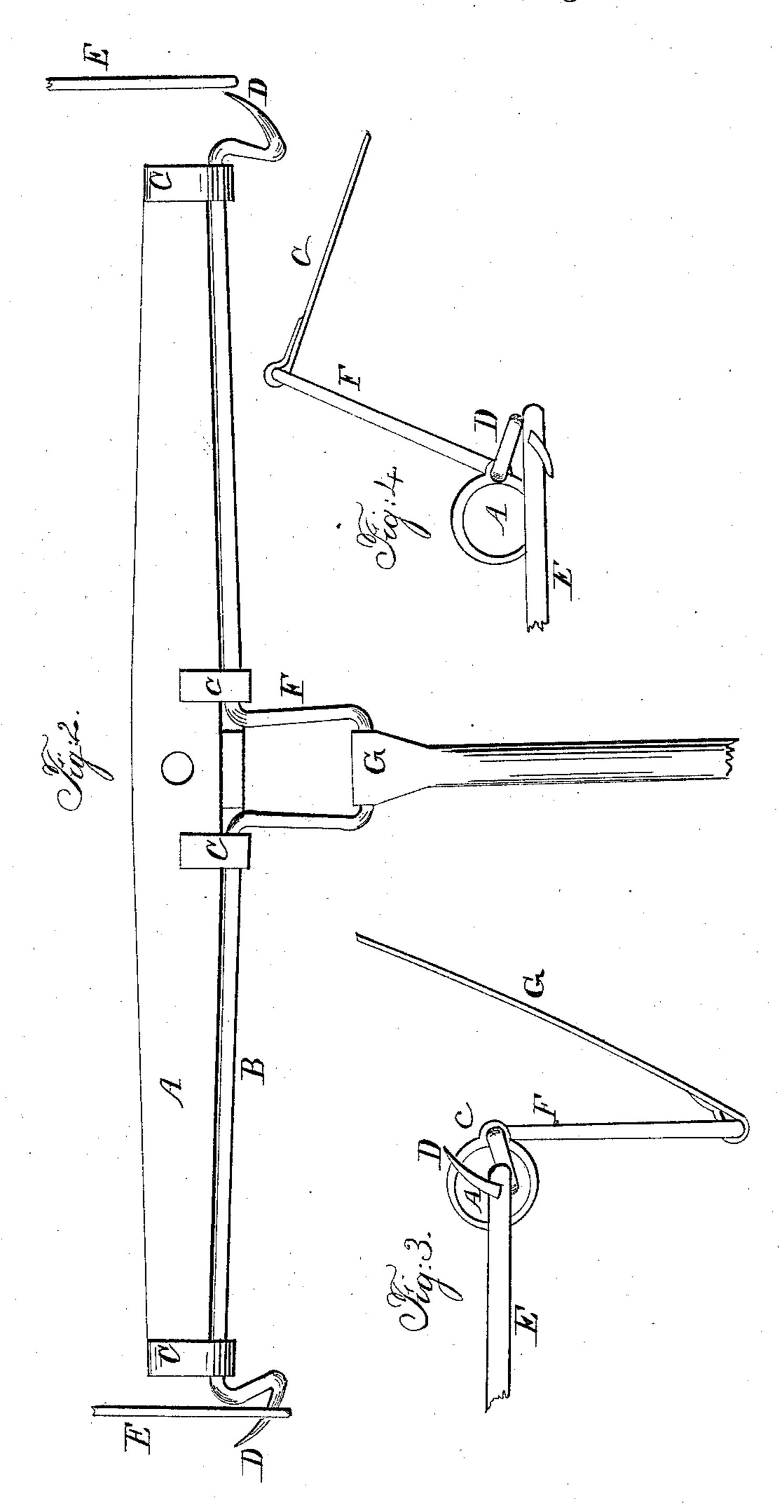
G. F. OUTTEN.

Whiffletree

No. 21,081.

Patented Aug 3, 1858





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 5 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 20 any of the known materials for the purpose.

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

A the whiffle-tree, B rod, C C C clips ²⁵ or bands, D D hooks, E E traces, F lever, G strap.

To the whiffle-tree A, I attach the rod B by the use of the clips or bands 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 35 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 40 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 45 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 50 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 55 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 60 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.