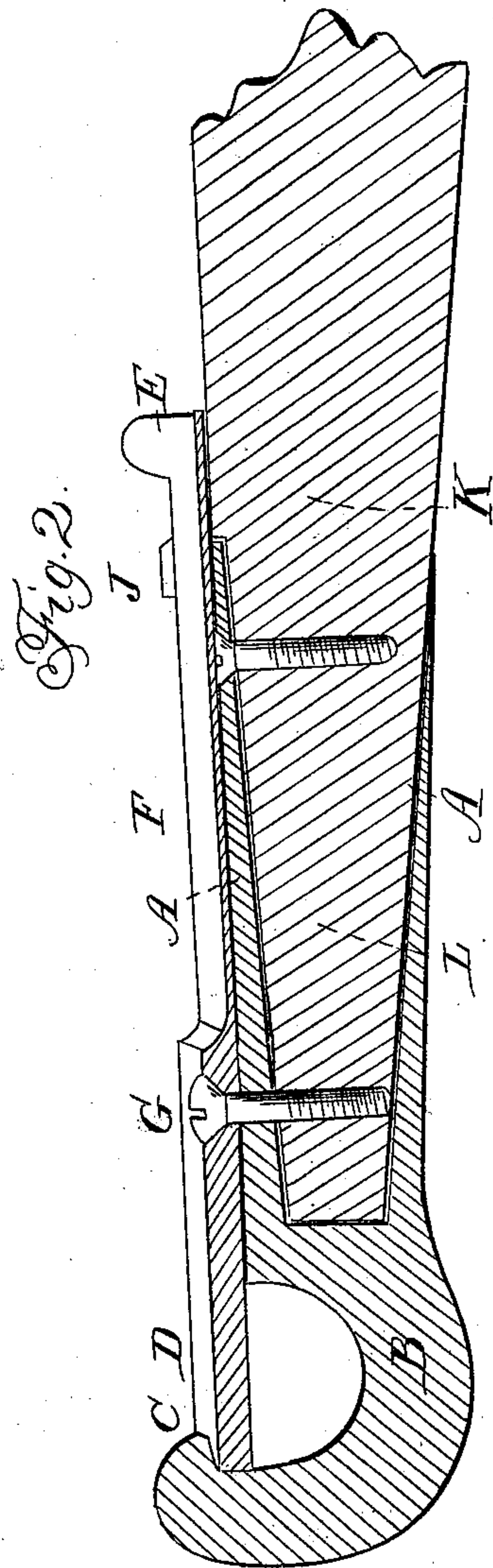
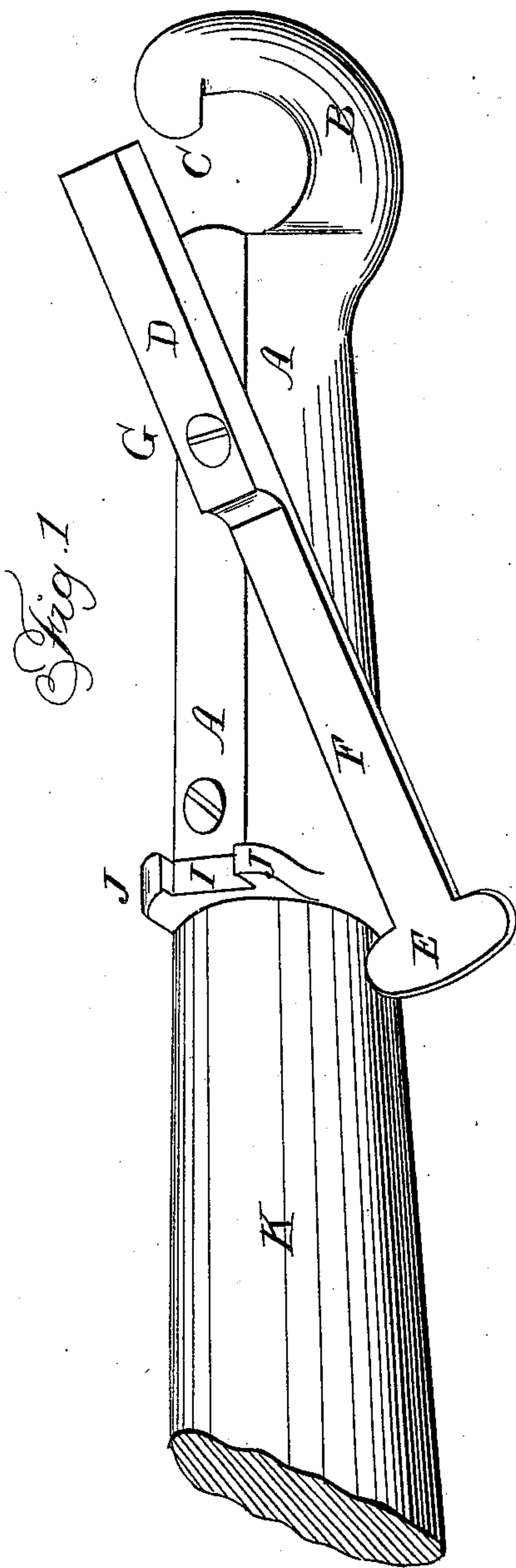


NEWMAN, 2nd, WHITCOMB & COLE.

Whiffletree.

No. 10,551.

Patented Feb. 21, 1854.





# UNITED STATES PATENT OFFICE.

MARTIN NEWMAN, 2D, AND N. C. WHITCOMB, OF LANESBORO, PENNSYLVANIA, AND G. C. COLE, OF HARTFORD, CONNECTICUT.

## WHIFFLETREE-HOOK.

Specification of Letters Patent No. 10,551, dated February 21, 1854.

*To all whom it may concern:*

Be it known that we, MARTIN NEWMAN, 2d, and N. C. WHITCOMB, of Lanesboro, Susquehanna county, and State of Pennsylvania, and G. C. COLE, of the city of Hartford and State of Connecticut, have invented certain new and useful Improvements in the Construction of Whiffletrees, Draw-Irons for Traces, which may be attached to Neck-Yokes, also the Ends of Wagon Tongues and Shafts; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view showing the principal parts. Fig. 2 is a longitudinal section through the center.

Similar letters of reference indicate corresponding parts in each of the several figures.

The nature of our invention consists of a metal socket either brass or iron or other metallic substance, so constructed that it will make a safe, convenient, and durable fastening for whiffletrees, cockeyes, draw-irons on axles, hold back irons on shafts, neck-yoke fastener, also to attach to the end of wagon tongues.

The socket terminates with a hook or loop and is provided with a spring bolt or latch turning or swinging on a center pin, and latching in a recess or notch in such a manner that the traces or other parts will be in no danger of becoming unhooked, and is more fully explained as follows:

A, A, represents the socket and B the hook or loop at the end of the socket.

C is a lip or catch on the end of the hook B.

D is the bolt or latch turning or swinging upon the pin G. This latch terminates with the spring F and thumb piece or button E.

H represents a portion of the whiffletree, with the tenon L inserted in the socket A, A.

I is a notch or recess of corresponding width to the spring F.

J, J, are small projections that form the notch I, and over which the spring F slides and drops into the notch I.

The operation of this safety fastener is as follows: In Fig. 1 the latch D, with the spring F, is represented as being turned partly around leaving the hook B open for the reception of the cockeye of the trace. The trace is now hooked on at B, the latch D is brought around under the lip of the hook C, which latches the spring F into the notch I, where the latch D and the spring F are firmly held in this position by the projections J, J, and the pin G, as seen in Fig. 2. To unhook the trace lift up the thumb piece E, which raises the spring F above the projections J, J, swing the latch to one side which leaves the hook B open for disengaging the trace.

What we claim as our invention and desire to secure by Letters Patent is—

The construction of a trace fastener on the ends of a whiffletree consisting of a swing latch D turning on a pin G, detents J, J, and spring F in combination with a hook B and catch or detent c thereon, operating in the manner and for the purpose of preventing the accidental displacement of the cockeye on the end of the trace.

We do not confine our claim to the use of the socket in connection with the spring latch arrangement as the spring latch and hook may be used either on a socket plate or shank, as occasion may require or in any other manner substantially as set forth.

MARTIN NEWMAN, 2d.  
N. C. WHITCOMB.  
G. C. COLE.

Witnesses:

W. H. PARSONS,  
CHARS. W. NEWBERRY.