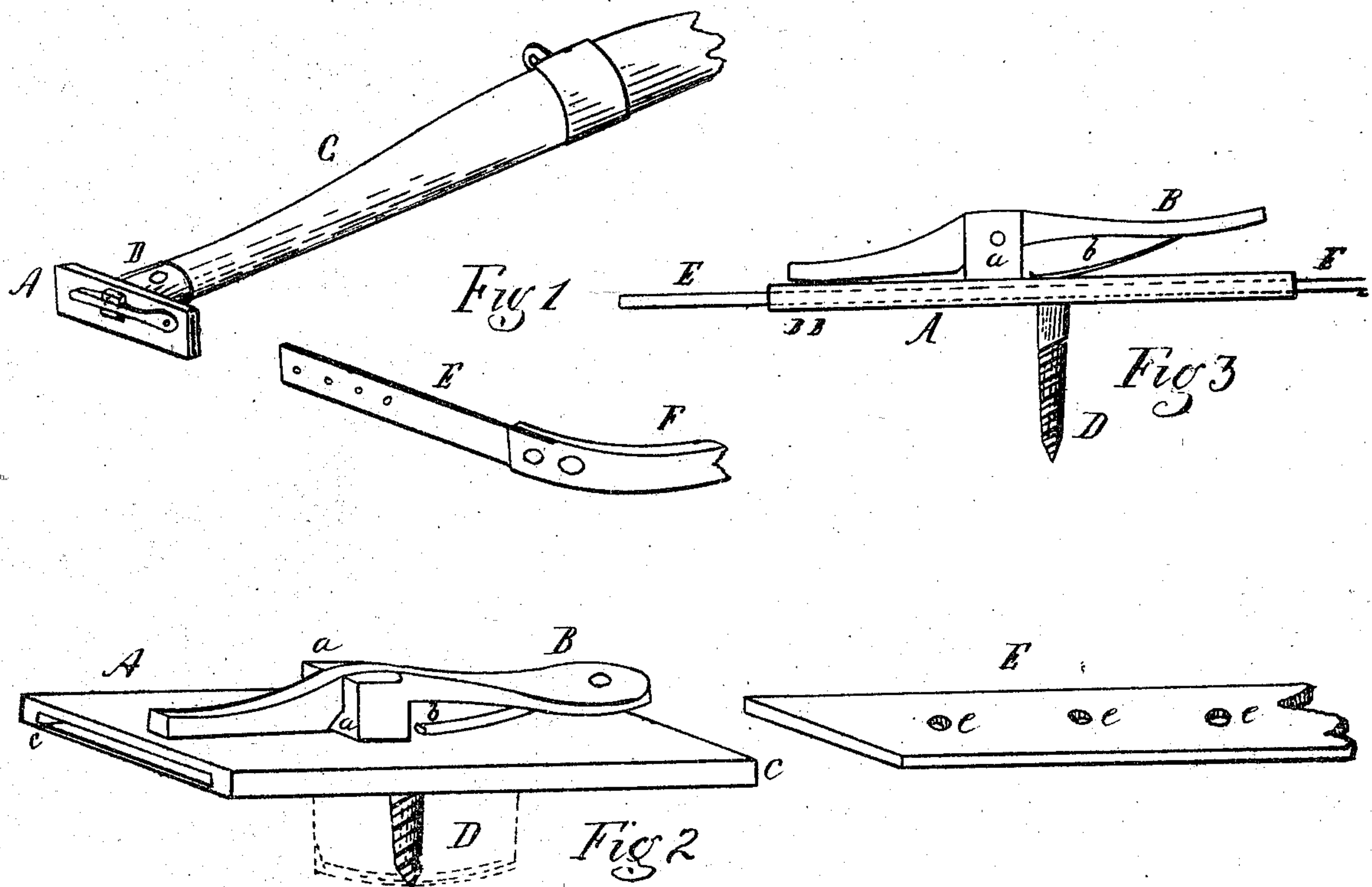


I. Herr. Trace-Fastener.

N^o 75757

Patented Mar. 24, 1868



Witnesses.

J. B. Wiley
Jacob Shaffer

Inventor.

I. Herr

United States Patent Office.

LEVI HERR, OF WEST LAMPETER, PENNSYLVANIA.

Letters Patent No. 75,757, dated March 24, 1868.

IMPROVEMENT IN TRACE-FASTENER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, LEVI HERR, of West Lampeter, in the county of Lancaster, and State of Pennsylvania, have invented a new and useful Device for Attaching Traces to Vehicles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 shows the spring-box attachment on the end of the single-tree, and the trace portion detached.

Figure 2 is a top view of the shallow box, with its spring-trigger bolt, and a portion of the trace-plate enlarged.

Figure 3 is a side view of the parts combined.

The nature of this invention consists in providing a simple means to hitch a horse into a vehicle without twisting the traces or making the adjustment by the buckle on the traces or extra holes in the leather of the same, either of which modes is tedious and injurious to the traces. This is prevented by my metallic box and trace-plate.

To enable others skilled in the art, I will further explain that which is clearly shown by the drawings, so that any one can make and use my invention.

A shallow metallic box, A, open at the ends, *c*, for the introduction of a metallic plate, E, of the desired length, width, and thickness, perforated with a series of holes, *e*, at one end, for the bolt B B on the end of the trigger B, with its spring *b*, and the bearings *a a* or studs on the top of the flat box or case A. The other end of the trace-plate E is perforated for rivets, by which it is fastened to the end of the trace F. This shallow case or box A may be fastened on the end of the single-tree, (one on each end,) either by a screw, D, or a cup-formed flange, D, to embrace the end of the single-tree, and affixed through the flange by one or more screws. This trace-connection may be made out of brass, iron, or other metal, and is as neat in appearance as it is durable and readily operated for hitching, unhitching, or for adjusting the length of the traces.

The operation is easily understood and performed. The trace-plate is inserted, the thumb-latch raised, which withdraws the bolt. The spring will press the bolt through the hole in the trace-plate and firmly hold it there, which is as speedily detached, and, altogether, believed to be as novel as it is desirable for the purpose specified.

What I claim as my invention, and desire to secure by Letters Patent, is—

The shallow box A, with its spring-bolt trigger B B B *b*, screw or flange-attachment D, in combination with the trace-plate E, arranged and operating substantially in the manner and for the purpose specified.

LEVI HERR.

Witnesses:

WM. B. WILEY,
JACOB STAUFFER.