

H. Hise,
Trace Buckle.

N^o 79,978.

Patented July 14, 1868.

Fig 1.

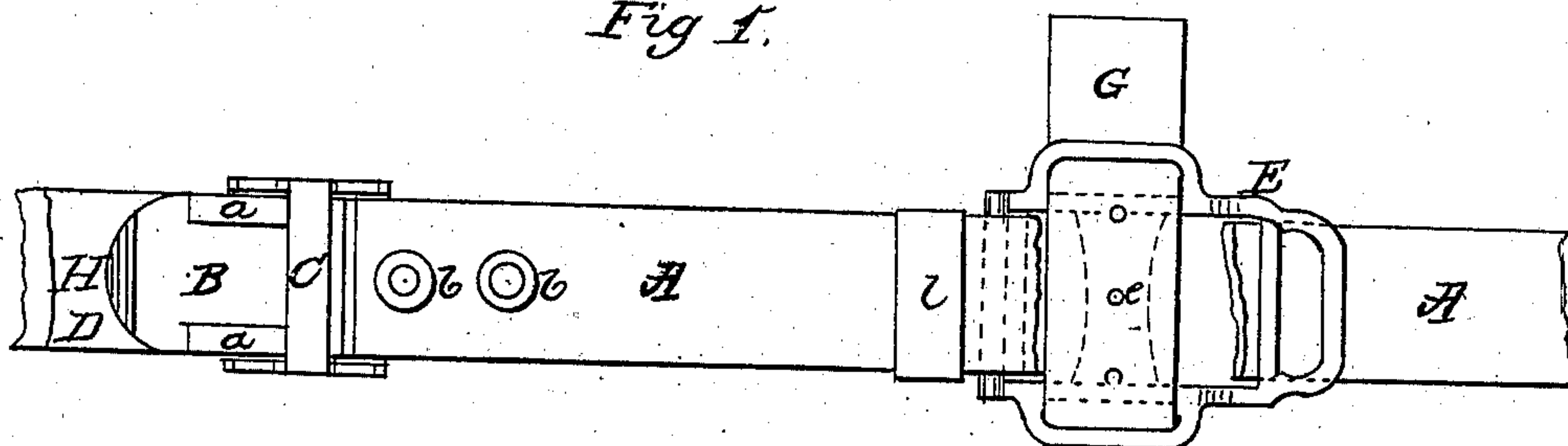


Fig 2.

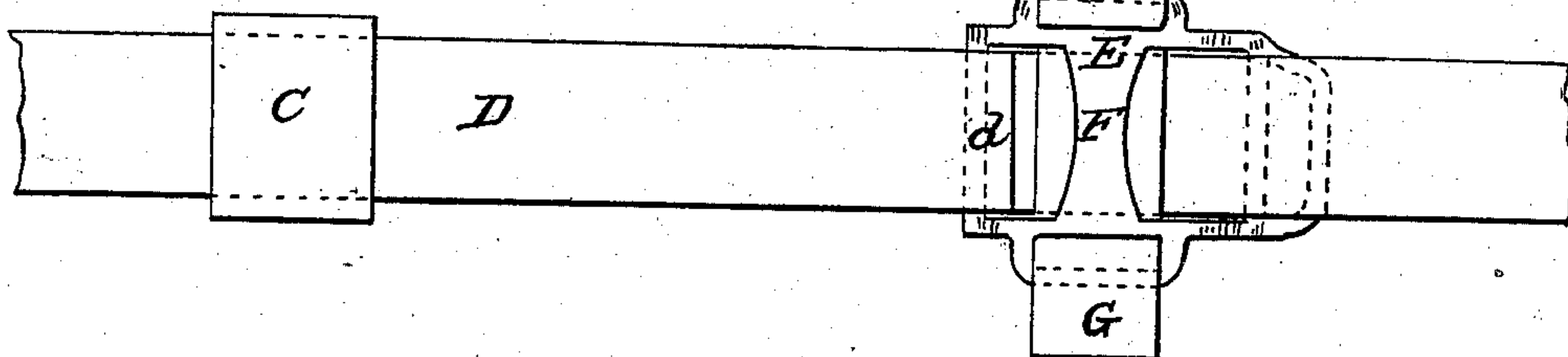


Fig 3.

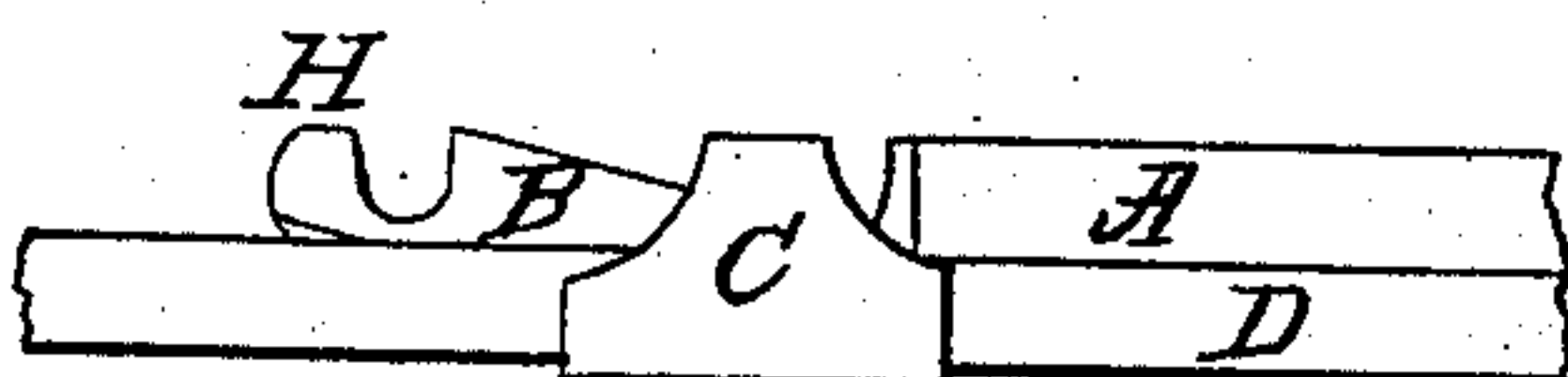
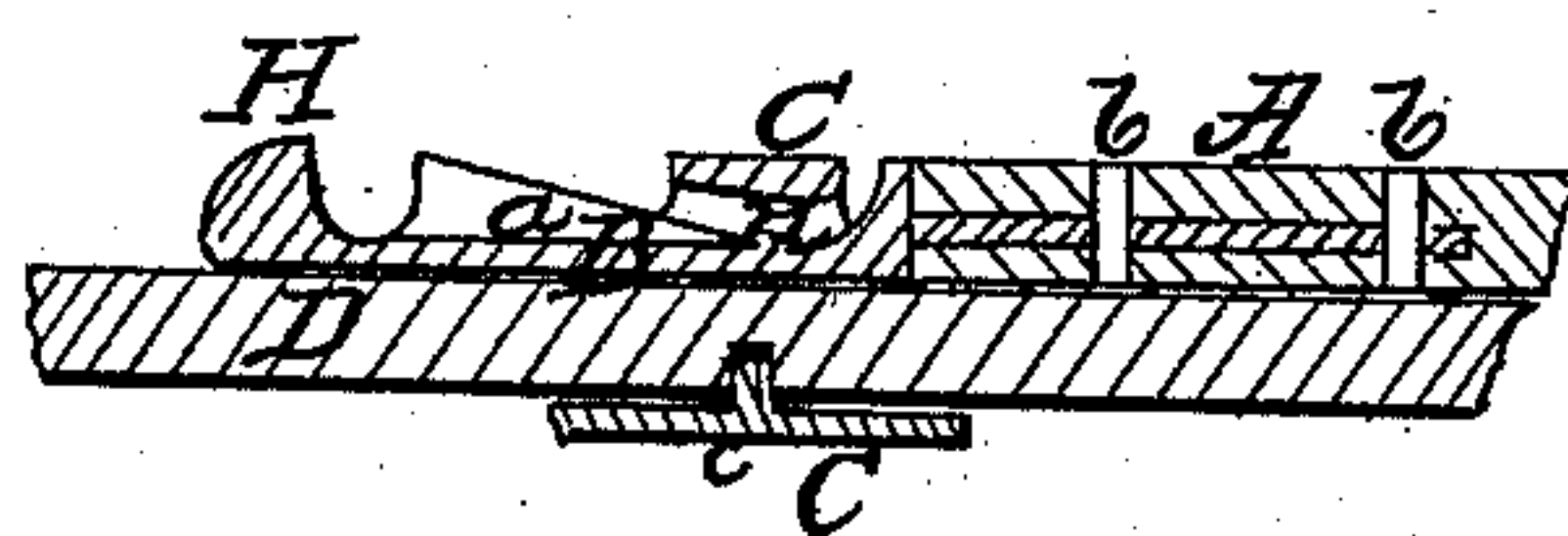


Fig 4.



Witnesses;
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HENRY HISE, OF CHICAGO, ILLINOIS.

Letters Patent No. 79,978, dated July 14, 1868.

IMPROVED TRACE-BUCKLE.

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, HENRY HISE, of Chicago, in the county of Cook, and State of Illinois, have invented a new and useful Improved Trace-Buckle; and I do hereby declare and make known that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and the letters and figures marked thereon, which form part of this specification.

My said invention relates to that class of buckles which are used to attach traces to harnesses; and it consists in constructing a buckle in two parts, one to be applied upon and secured to the end of the trace, and the other to be arranged upon the strap connected with the hames or passing around the breast of the horse, so as to slide upon said strap, and to operate in connection with the first-mentioned part, substantially as hereinafter fully set forth.

To enable those skilled in the art to understand how to make and use my said invention, I will proceed to describe the same with particularity, making reference in so doing to the drawings hereinbefore mentioned, in which—

Figure 1 represents a front view of said improvement.

Figure 2 is a view of the reversed side of fig. 1.

Figure 3 is a side view of the buckle, and

Figure 4 is a side central section thereof.

Similar letters of reference in the different figures denote the same parts of my invention.

A represents the trace passing through a frame, E, to which the strap D is secured at *d*, as shown, said strap D being also provided with a loop, *l*, to hold the trace down upon the strap as desired.

Upon the end of the trace is secured a metallic block or wedge-shaped piece, marked B, by means of rivets *b b*, as shown, or in any other suitable manner.

Said metallic plate B is provided with inclined surfaces, or an inclined surface *a a*, increasing the thickness of the plate from the trace forward, as shown.

C represents a clasp enclosing the said block B and the strap D, and sliding upon the strap as desired.

The thickness of the plate B at the rear end of the inclines *a*, is so great that the clasp C cannot slide over the same, and thus as the slide or clasp moves along forward or back upon the strap, the end of the trace is carried with it, thus lengthening or shortening the trace as desired, and the draught upon the trace draws the inclines *a* into the clasp C so firmly as to prevent any slipping, thus securely fastening the trace in place.

At the same time holes may be made at suitable intervals, extending part way or entirely through the strap D, into which the pin *e*, upon the inner face of the clasp C, may enter, so as to prevent the possibility of the slipping of the trace, as shown in fig. 4.

Upon the end of the plate B may be formed a knob, H, to aid in drawing the block forward, so as to bring the neck within the clasp when it is desired to adjust the trace.

The frame E has a plate, F, which is provided with a pin, *e*, so that a strap, G, to pass beneath the horse, may be attached, as shown, thus dispensing with the back strap ordinarily used.

By the above-described arrangement of the buckle B C, the end of the trace is secured, thus dispensing with loops to retain the hanging ends of the trace, as seen with ordinary buckles, while no holes are required to be made in the trace, to weaken the same, and the length can be adjusted with great nicety.

Having described the construction and operation of my invention, I will proceed to specify what I claim and desire to secure by Letters Patent.

1. I claim the combination of the plate B, provided with one or more inclines *a*, with a clasp C, arranged and operating substantially as set forth, and for the purposes specified.

2. I claim a plate, B, when constructed so as to be secured upon a trace, and provided with one or more inclines *a*, in the manner described

HENRY HISE.

Witnesses:

W. E. MARRS,

H. BRUNS.