

H. C. Wissel,

Harness Buckle,

N^o 81,318.

Patented Aug. 18, 1868.

Fig: 1.

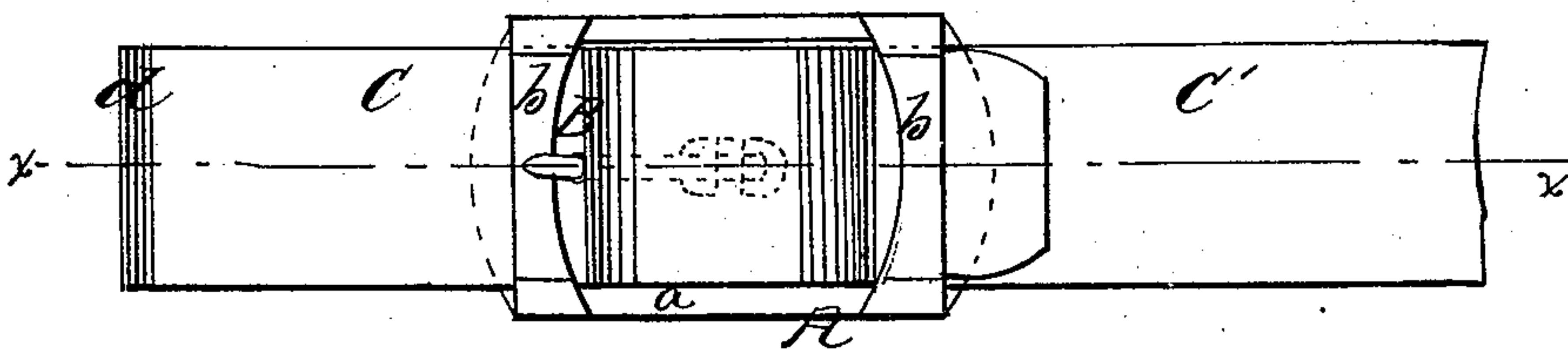
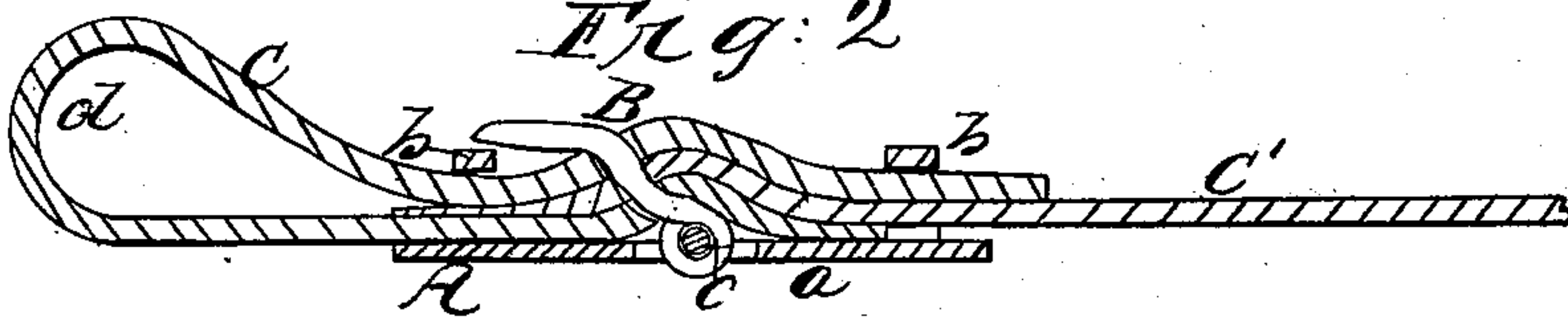


Fig: 2



Witnesses:
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Wm. A. Morgan.

Inventor:
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per *Munroe &*
Attorneys.

United States Patent Office.

H. C. WISSEL, OF INDIANA, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND
H. F. SHRYOCK, OF SAME PLACE.

Letters Patent No. 81,318, dated August 18, 1868.

IMPROVED 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, H. C. WISSEL, of Indiana, in the county of Indiana, and State of Pennsylvania, have invented a new and useful Improvement in Buckles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an outer or face view of an invention shown applied to the straps, which it connects together.

Figure 2 is a longitudinal section of the same taken in the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

This invention relates to a new and improved buckle, designed for bridles and other parts of harnesses, and also for other purposes.

The object of the invention is to construct a buckle in such a manner that it may be applied without any stitching or sewing, and also without the aid of rivets or other permanent fastening, and still be capable of being readily applied to and detached from the straps which it joins or connects.

The frame A of the buckle is composed of a metal plate, *a*, which is provided with two metal loops, *b b*, one near each end. This frame may be of metal, cast all in one piece, and at the centre of the plate *a*, a tongue, B, is secured, said tongue being fitted on a wire or rod, *c*, in an aperture in the plate *a*, and allowed to work or turn freely on the wire or rod *c*, the tongue being sufficiently long to admit of its point end resting or bearing on one of the loops *b*.

C C' represent the two straps which the buckle connects. The strap C is passed through the two loops *b b* twice, as shown clearly in fig. 2, so as to form a loop, *d*, in said strap, and the other strap, C', is inserted between the doubled parts of the strap C, the tongue B passing through both parts or ends of the strap C, and also through the strap C'.

By this arrangement, the buckle is made to connect the two straps C C' together, and to secure itself to the straps, no sewing, stitching, or special or permanent fastening of any kind, being required to secure the buckle to either strap. The buckle may also be attached to and detached from the straps with the greatest facility.

The application of this invention to bridles and harnesses will materially diminish their cost, and, in addition to this advantage, it admits of a person at any time, in case of a portion of a bridle or harness giving way, applying a buckle thereto, to repair it in a moment of time, without any difficulty whatever.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

A buckle, composed of a plate, *a*, provided with loops *b b*, and a tongue, B, all constructed and arranged to operate in the manner substantially as and for the purpose set forth.

Witnesses:

FRANK BLEIMER,

G. MARSHALL.

H. C. WISSEL.