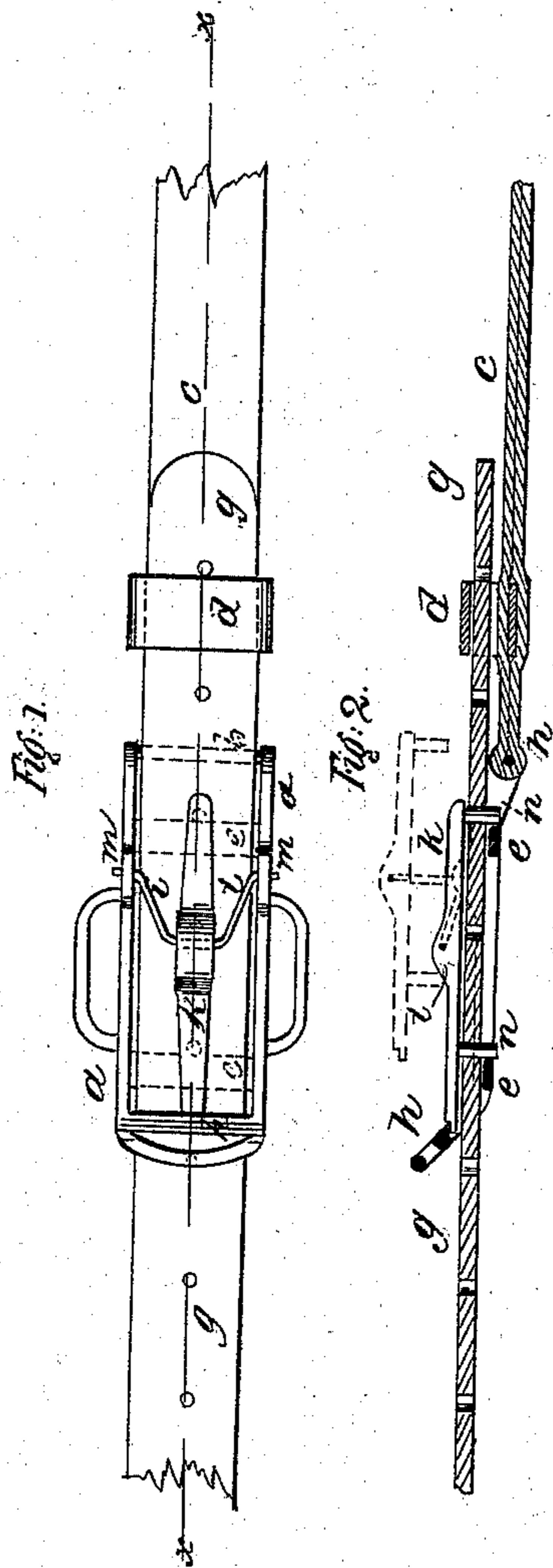


R. J. Baker,

Buckle.

No. 68147.

Patented Aug. 27. 1867.



Witnesses:
Thos. Tinsche
Wm. Tinsche

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R. J. BAKER, OF MADISON, WISCONSIN.

Letters Patent No. 68,147, dated August 27, 1867.

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, R. J. BAKER, of Madison, in the county of Dane, and State of Wisconsin, have invented a new and useful improvement in Trace-Buckle; 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 a top view of my improved trace-buckle, with the trace attached.

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

Similar letters of reference indicate like parts.

This invention relates to an improvement in trace-buckles, and consists in a double tongue, hung upon or pivoted to a central crank-shaft, which drops the two tongues, at the same time, vertically into two holes in the trace, for holding it fast, and lifts the tongues out of the holes at the same time to allow the trace to be adjusted or withdrawn from the buckle, as hereinafter described.

The side pieces *a a* of the buckle are connected at the bottom of the front end by a cross-bar, *b*, to which the tug-strap *c*, with the tuck-loop *d*, is attached; and across the bottom, connecting the sides *a a*, are also two other bars *e e*, for bearing the trace *g* when in the buckle, and to support the double tongue, as hereinafter described. The rear end of the buckle is connected at the upper side by a cross-bar, *h*, under which the trace passes.

The double tongue consists of a stout bar, *k*, hung upon a crank-shaft, *i*, which is pivoted in projections *m m* on opposite upper sides of the buckle. On the lower side of the bar *k* are two pins or tongues *n n*, set at right angles to it. The holes in the trace are made the same distance apart, so that the tongues *n n* may enter two adjacent holes at the same time in a vertical or nearly vertical position.

When the bar *k* is raised, the trace *g* can slide under the ends of the tongues *n n* in either direction easily, and when it is lowered the tongues will enter any two adjacent holes desired, for adjustment, and the bar *k* will swing back to lie flat upon the trace, with its rear end set under the rear cross-bar *h*, to hold it down snug, while the ends of the tongues project through the lower side of the trace, and bear against the under cross-bars *e e*, and divide the strain on the trace so that it will wear better and be less liable to tear and give way under a heavy pull.

By this arrangement the trace is easily adjusted to any required length, is quickly fastened, and draws perfectly straight. My improved buckle exceeds all others also in admitting the tongue without requiring the short or hame-tugs to be cut, which is a great advantage in strength.

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

The trace-buckle, when constructed and arranged as described, consisting of the curved sides *a a*, having pivoted at their centres, upon the upper side, by means of the crank-arm *i*, the bar *k*, to the under side of which the pins *n n* are secured, said bar *k*, adjusted to be raised or lowered by means of the crank-arm, and when placed in the trace, securely held in position by its rear end catching under the bar *h*, and the pin *n* against the bars *e*, as herein shown and described.

R. J. BAKER.

Witnesses:

H. A. DYKE,

J. A. BAKER.