

(No Model.)

M. HATFIELD.

BOLT HOLDER.

No. 300,968.

Patented June 24, 1884.

Fig. 1.

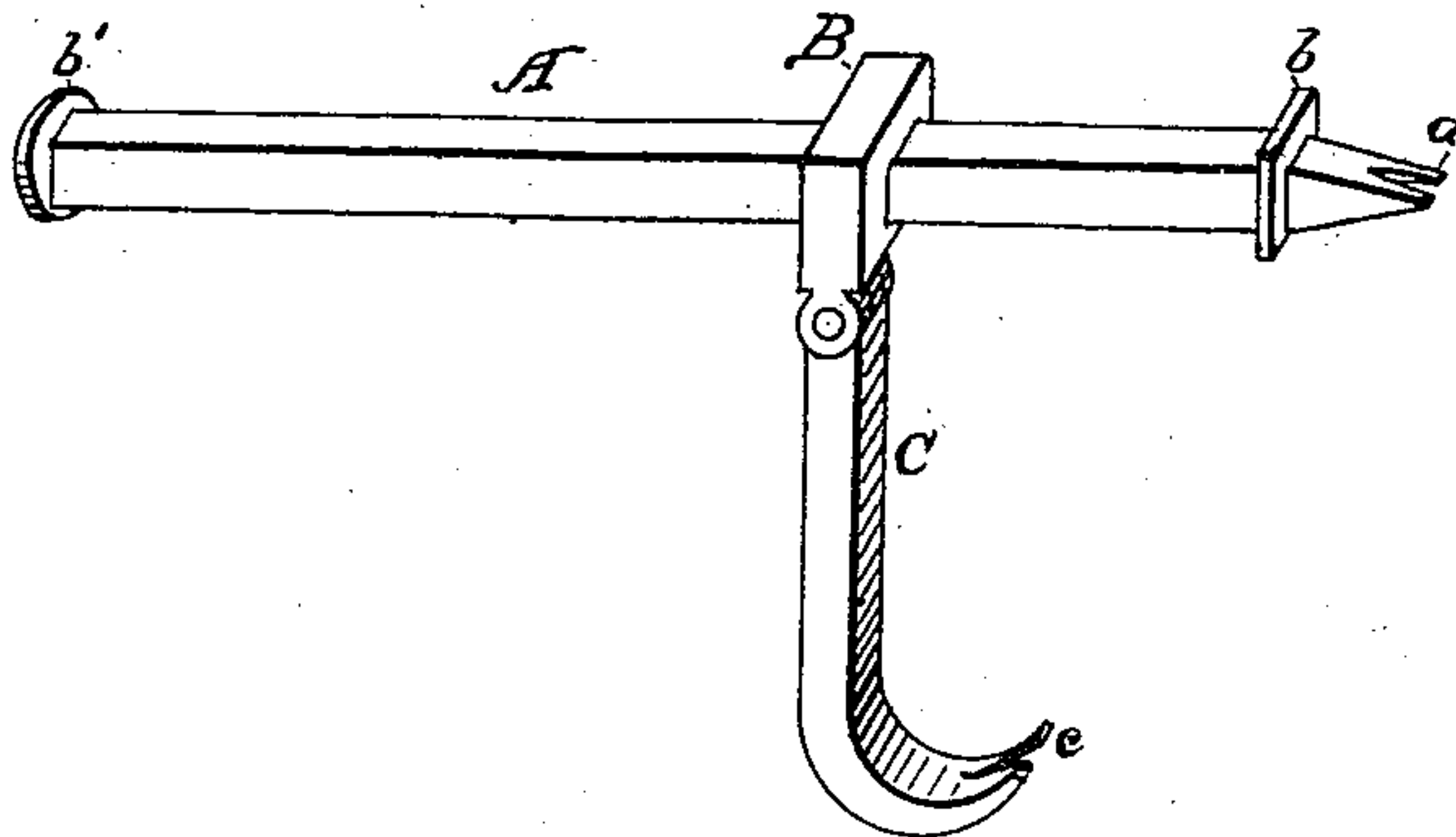
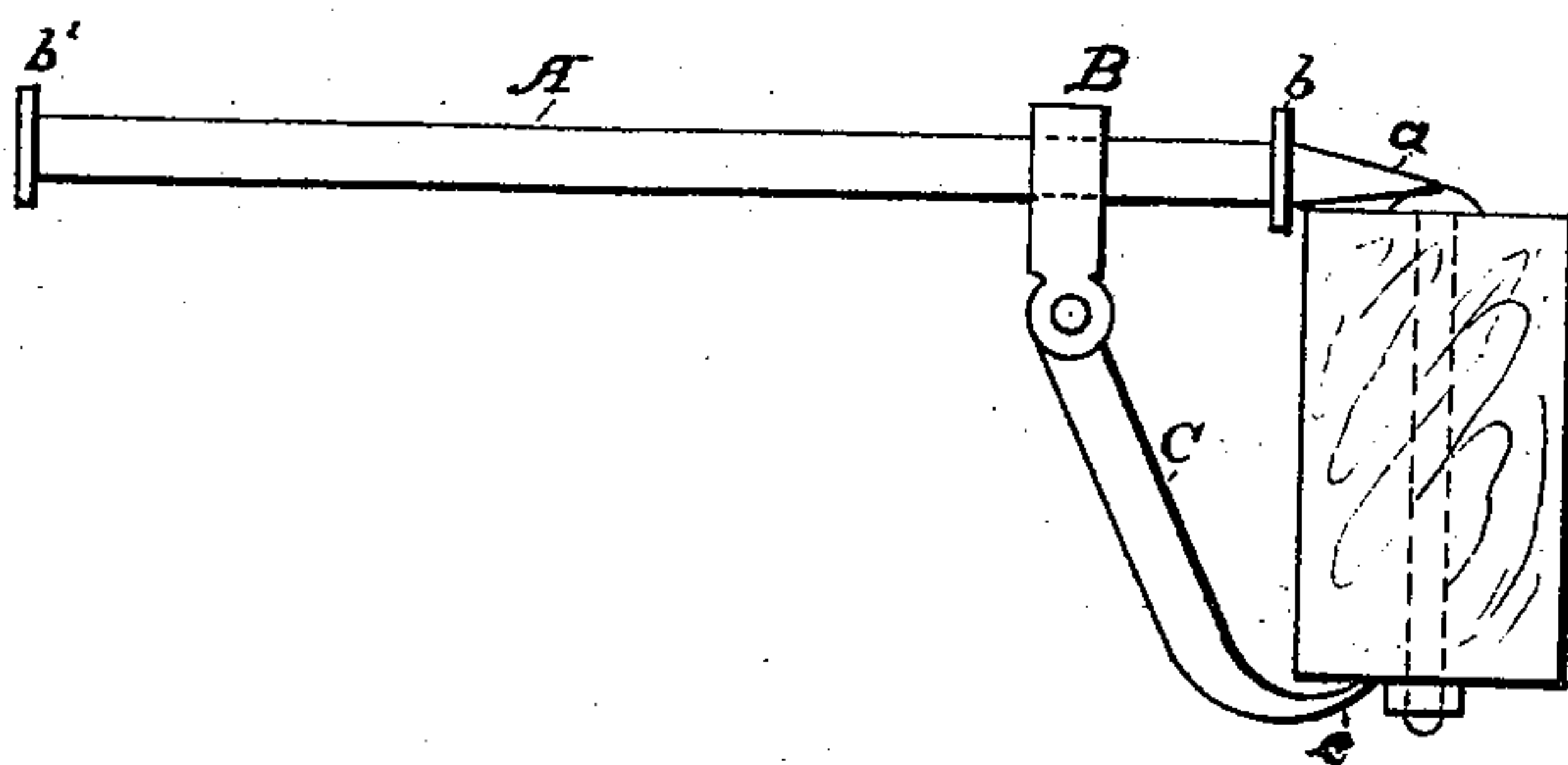


Fig. 2.



Attest:

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MAHLON HATFIELD, OF MARSHALL, MISSOURI.

BOLT-HOLDER.

SPECIFICATION forming part of Letters Patent No. 300,968, dated June 24, 1884.

Application filed February 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, MAHLON HATFIELD, a citizen of the United States, residing at Marshall, in the county of Saline and State of Missouri, have invented certain new and useful Improvements in Bolt-Holders, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a perspective view of the implement; and Fig. 2 represents a side view of the same as applied in use.

This invention relates to an improvement in that class of tools employed by blacksmiths, carriage-makers, and other artisans for the purpose of holding bolts in position, and, by the pressure applied to their heads, preventing them from turning while the nuts are being screwed down, or for the same purpose when old bolts are to have the nuts removed.

It frequently happens, in making repairs to carriages and farming implements, that bolts the nuts of which have become rusted in the thread or otherwise stuck fast have to be removed, and upon applying the wrench to the nut the bolt turns with it. In this case, if the bolt has a square head, it may be held by another wrench or a pair of blacksmiths' tongs; but should the head of the bolt be flat or round, as is generally the case with carriage-bolts, these devices are of no use, as they cannot be applied in such a manner as to prevent the rotation of the bolt. The most practical method of holding the bolt under such circumstances yet devised is to bring sufficient pressure upon the bolt-head to cause the friction between it and the surface upon which it bears to exceed the tenacity with which the nut sticks to its thread upon the bolt, thus allowing the nut to be turned while the bolt remains stationary. To produce a tool that will readily accomplish this result is the object of this invention.

The method of constructing the implement is as follows:

Referring to the drawings, A represents a bar of metal, preferably square or of other polygonal section, one end of this bar, at *a*, being drawn into a wedge or chisel shape and

bifurcated. Near this bifurcated end of the bar is a projection or stop, *b*, which, in connection with the stop *b'* at the opposite end, serves to retain upon the bar a slide, B, which is so formed as to move freely along said bar between the stops. Attached to this slide B by a strong hinge-joint is a bar, C, the outer extremity of which, opposite the hinge, is formed into a strong curved and bifurcated hook, *c*, which, when the tool is in use, may serve either as a fulcrum for the bar by being hooked over some adjacent part, or may bear directly upon the bolt-head, while the bifurcated end of the bar A rests against an adjacent part and forms the point of resistance.

It will be apparent that the slide B, moving readily to any point along the bar A, affords a ready means of adjusting the tool to fit the different situations in which it is used; and, further, that this use is not limited to holding bolts, as it may be advantageously employed in drawing on wheel-tires and by wagon-makers to draw spokes in place when putting on the felloes. It will also be found to be a convenient tool for farmers' use in making small repairs, frequently preventing a journey to the shops to get a troublesome bolt out, and useful for other purposes.

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

1. A bolt-holder consisting of a bar having one end chisel-pointed, a slide moving freely on said bar, and a bar hinged to said slide and provided at its outer extremity with a hook, the parts being arranged to co-operate in the manner and for the purpose set forth.

2. In a bolt-holder, the combination of the bar A, having a bifurcated and chisel-shaped end, *a*, and stops *b* and *b'*, with a freely-moving slide B, and bar C, provided with bifurcated hook *c*, all the parts being arranged and operating as specified.

In testimony whereof I affix my signature in presence of two witnesses.

MAHLON HATFIELD.

Witnesses:

O. E. CHUMLY,
J. A. JUSTICE.