

E. H. DOOLEY.
Improvement in Nut Locks.

No. 122,761.

Patented Jan. 16, 1872.

Fig. 1.

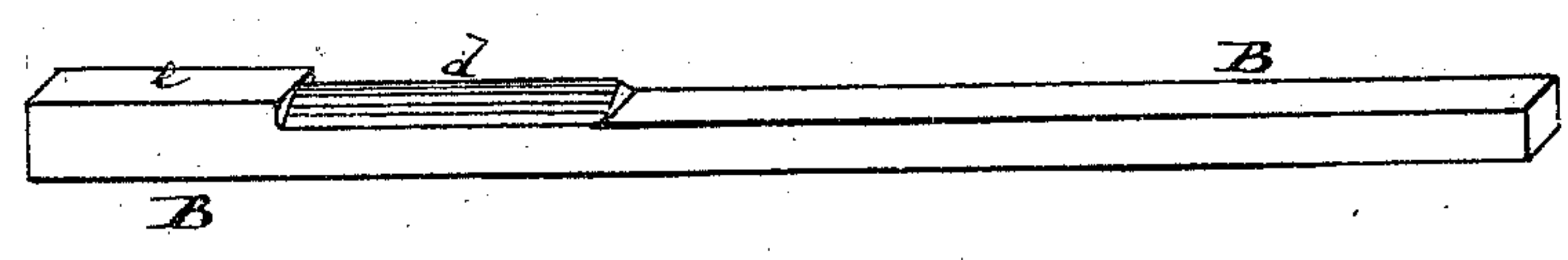


Fig 2.

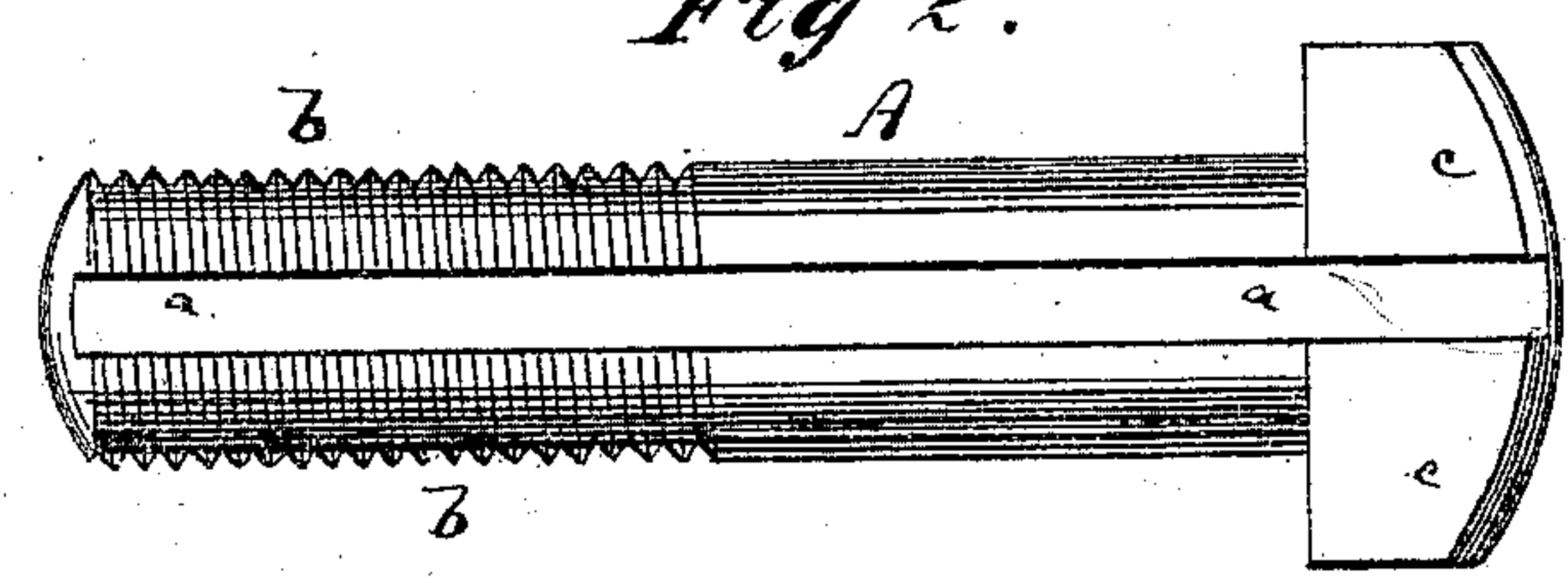
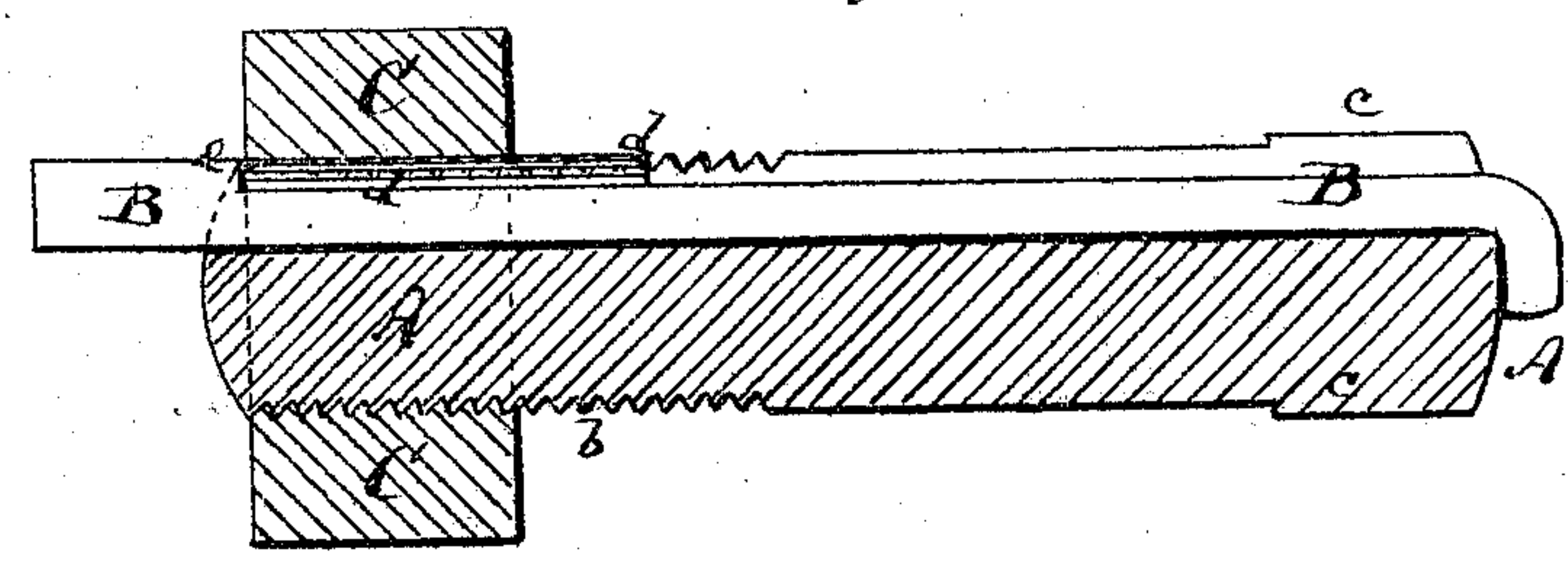


Fig. 3.



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IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. 122,761, dated January 16, 1872.

Specification describing an Improved Nut-Lock, invented by EDWIN H. DOOLEY, of the city, county, and State of New York.

Figure 1 represents a side view of my improved locking-pin. Fig. 2 is a side view of the bolt; and Fig. 3, a longitudinal section of bolt, nut, and lock.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and effective but very simple nut-lock, to be applied to railroad rails and other purposes; and consists in the use of a locking-pin which enters a groove along the whole length of the bolt, and has a sharp edge or edges near one end for cutting the thread of the nut, while the other end is bent over the head of the bolt. In this manner an absolute lock is produced which cannot possibly work loose, and therefore greatly insures the safety of the bolts.

A in the drawing represents the bolt, grooved along its entire length at *a* for the reception of the locking-pin B, and provided with a screw-thread, *b*, at one end and a head, *c*, at the other end. C is the nut to be applied to the bolt. The pin B is longer than the bolt, and has near its outer end one or more projecting cutting edges, *d*, and above that a head, *e*.

When the nut has been applied the pin B is fitted into the groove of the bolt so that its edge or edges *d* will come in contact with and cut the thread of the nut. The inner end of the pin is then bent over the head of the bolt, as shown in Fig. 3, thereby retaining it firmly in place, the edge *d*, which enters the nut, holding the latter secure so it cannot turn.

The head *e* rests against the face of the nut and prevents the pin from being drawn inward.

The pin can be readily removed, when desired, by bending its inner end straight, or cutting it off, and then driving out the pin to enable the nut to be unscrewed.

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

The headed pin B *d e*, passing through nut C and bent over the end of grooved bolt, all as described, and for the purpose of locking the nut so that it will not only be held firmly while the pin remains, but so that the pin itself cannot fly out.

EDWIN H. DOOLEY.

Witnesses:

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