

J. E. FRED.

NUT-LOCK.

No. 176,948.

Patented May 2, 1876.

Fig. 1

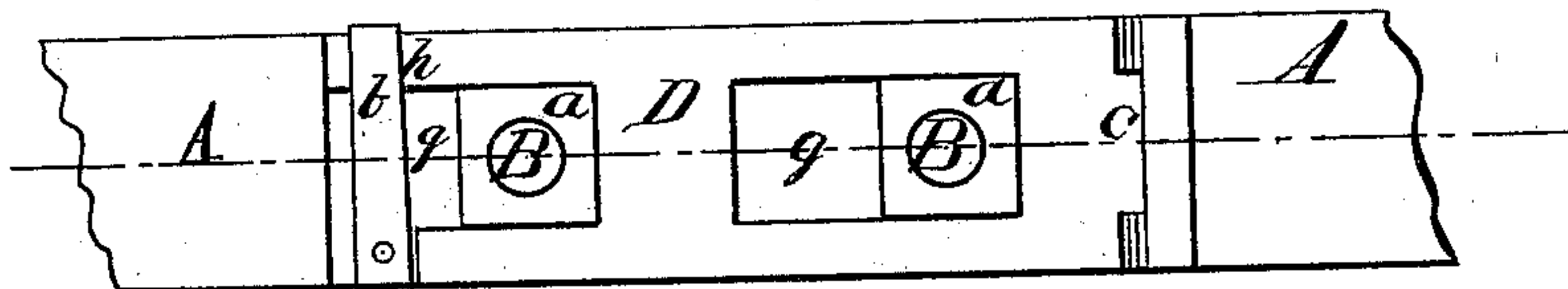
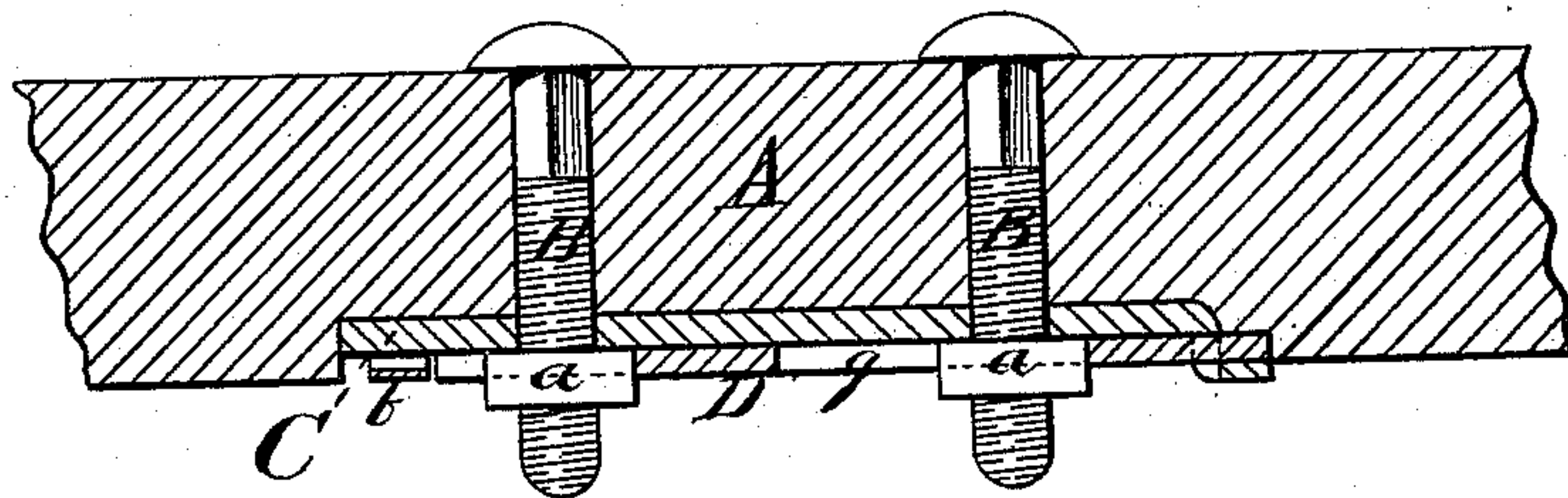


Fig. 2



WITNESSES

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UNITED STATES PATENT OFFICE.

JAMES E. FRED, OF SENECAVILLE, OHIO.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. 176,948, dated May 2, 1876; application filed April 1, 1876.

To all whom it may concern:

Be it known that I, JAMES E. FRED, of Senecaville, in the county of Guernsey and State of Ohio, have invented a new and valuable Improvement in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my nut-lock, and Fig. 2 is a longitudinal vertical sectional view of the same.

This invention has relation to means for locking nuts on bolts; and the nature of my invention consists in a slotted locking-plate, having a tongue formed on one end, in combination with a plate which is adapted to receive said tongue, and is provided with a spring retaining-finger, as will be hereinafter explained.

In the annexed drawings, A designates a beam, through which two bolts, B B, are passed, and provided with nuts *a a*. The beam A is recessed to receive a plate, C, on one end of which a spring-finger, *b*, is piv-

oted, for a purpose which will be hereinafter explained. The opposite end of the plate C is bent, as shown in Fig. 2, and slotted to receive a tongue, *c*, which is formed on a locking-plate, D. The plate D is constructed with slots *g g*, and also with a prong, *h*, which latter is recessed to receive the free end of the spring-finger *b* when the plate D is adjusted in the position shown in the drawing. The tongue *c* and the spring-finger *b* hold the plate D fast in its place, and this plate, when so held, prevents the nuts from turning.

My invention is applicable to railroad-rails, and to other objects.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the plate C, slotted and provided with a pivoted spring-finger, *b*, and plate D, which is slotted and constructed with a tongue, *c*, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES EDWARD FRED.

Witnesses:

J. D. MEEK,
T. J. ROSE.