

F. B. WIGLE.

NUT-LOCK.

No. 172,229.

Patented Jan. 11, 1876.

Fig. 1

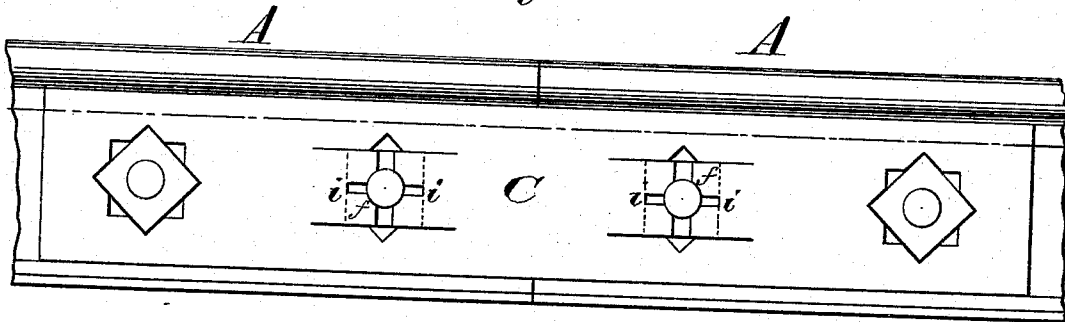


Fig. 2

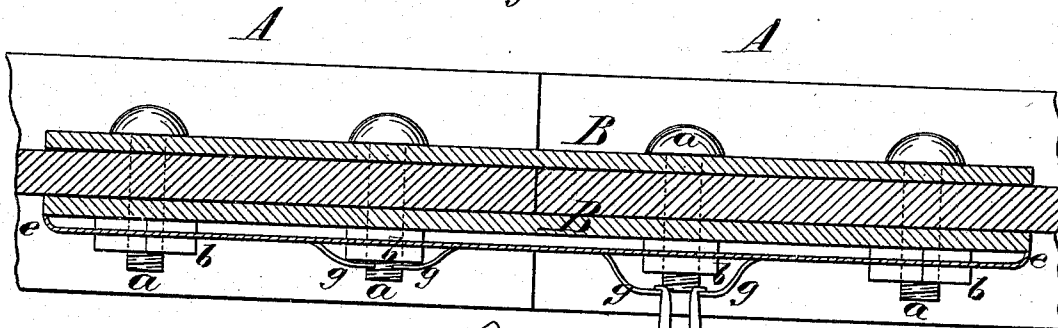
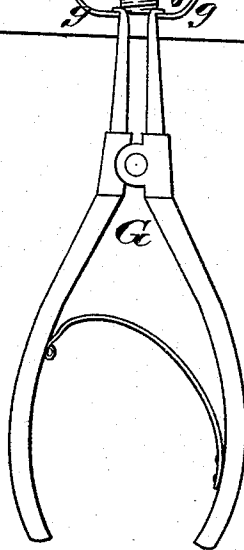
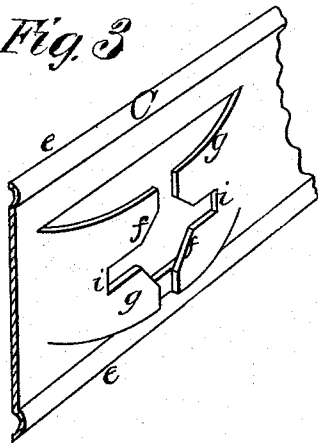


Fig. 3



WITNESSES

Mary J. Utley.
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ATTORNEYS

UNITED STATES PATENT OFFICE.

FREDERICK B. WIGLE, OF MANSFIELD, OHIO, ASSIGNOR OF TWO-THIRDS
HIS RIGHT TO MARGARETTA A. WIGLE, OF SAME PLACE.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. **172,229**, dated January 11, 1876; application filed
November 27, 1875.

To all whom it may concern:

Be it known that I, FREDERICK B. WIGLE, of Mansfield, in the county of Richland 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 side elevation of my nut-lock, and Fig. 2 is a horizontal sectional view thereof. Fig. 3 is a perspective detail view.

This invention has relation to means for locking nuts on rails where bolts and fish-plates are used at the joints of the rail-sections; and the nature of my invention consists in a locking steel plate, which is adapted to receive the nuts after they are screwed home, and which is constructed with spring clasp-lips, which, when the plate is forced to its place, will engage with the threads of some of the nuts and hold the plate firmly until spread apart by an instrument specially designed for the purpose, as will be understood from the following description:

In the annexed drawings, A A designate two railroad-sections of the T shape, and B B are splicing-plates, which are applied to the webs of the rail-sections so as to cross the joint thereof. The plates B B are firmly clamped to the rail-sections by means of bolts *a* and nuts

b. C designates a thin steel strip, which is nearly equal in length to the length of the fish-plate on the nut side of the rail, and which has its edges bent in, as shown at *e e*, to prevent portions of the plate from getting in between the nuts and fish-plate. The plate C is punched to receive through it the nuts *b*. The holes may be rectangular or star-shaped. This perforated plate will prevent the nuts from turning. To prevent the locking-plate C from detachment lips *g g* are formed on it, the ends of which are notched and slotted. The notches *f* embrace the threaded ends of the bolts, and catch in the threads of these bolts. The slots *i i* are designed to receive the hooked ends of a spreading-tool, G, which is used, as shown in Fig. 2, for spreading apart the spring-lips *g g*, and detaching the locking-frame C from the nuts.

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

1. The notched spring-lips *g g* on spring-plate C, for the purpose described.

2. The slots *i i* on lips *g g*, for receiving the hooked ends of the detaching-tool G, substantially as described.

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

FREDERICK B. WIGLE.

Witnesses:

H. P. DAVIS,
J. H. WIGLE.