

(No Model.)

W. J. DEVERS.
NUT LOCK.

No. 514,217.

Patented Feb. 6, 1894.

Fig. 1.

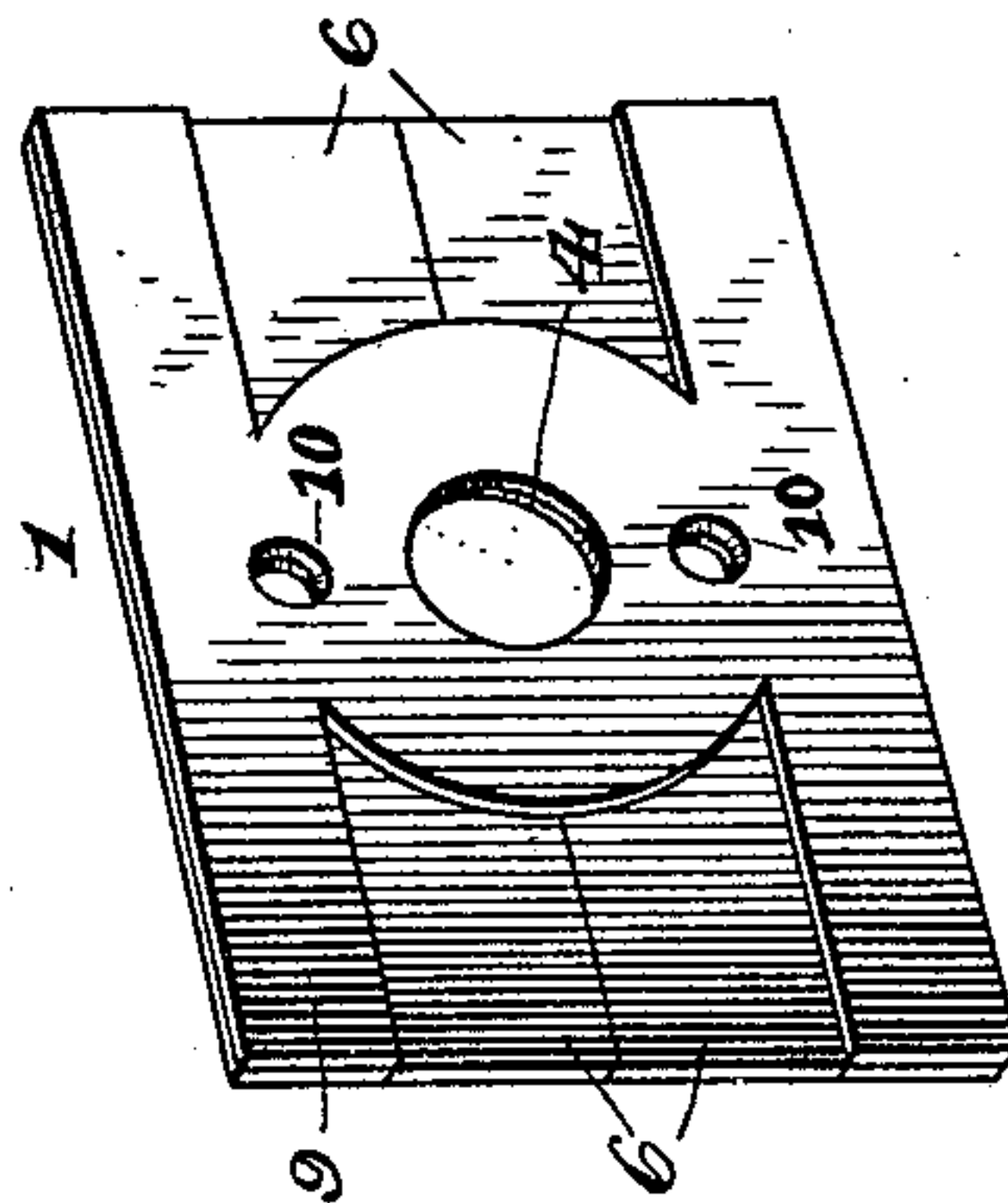
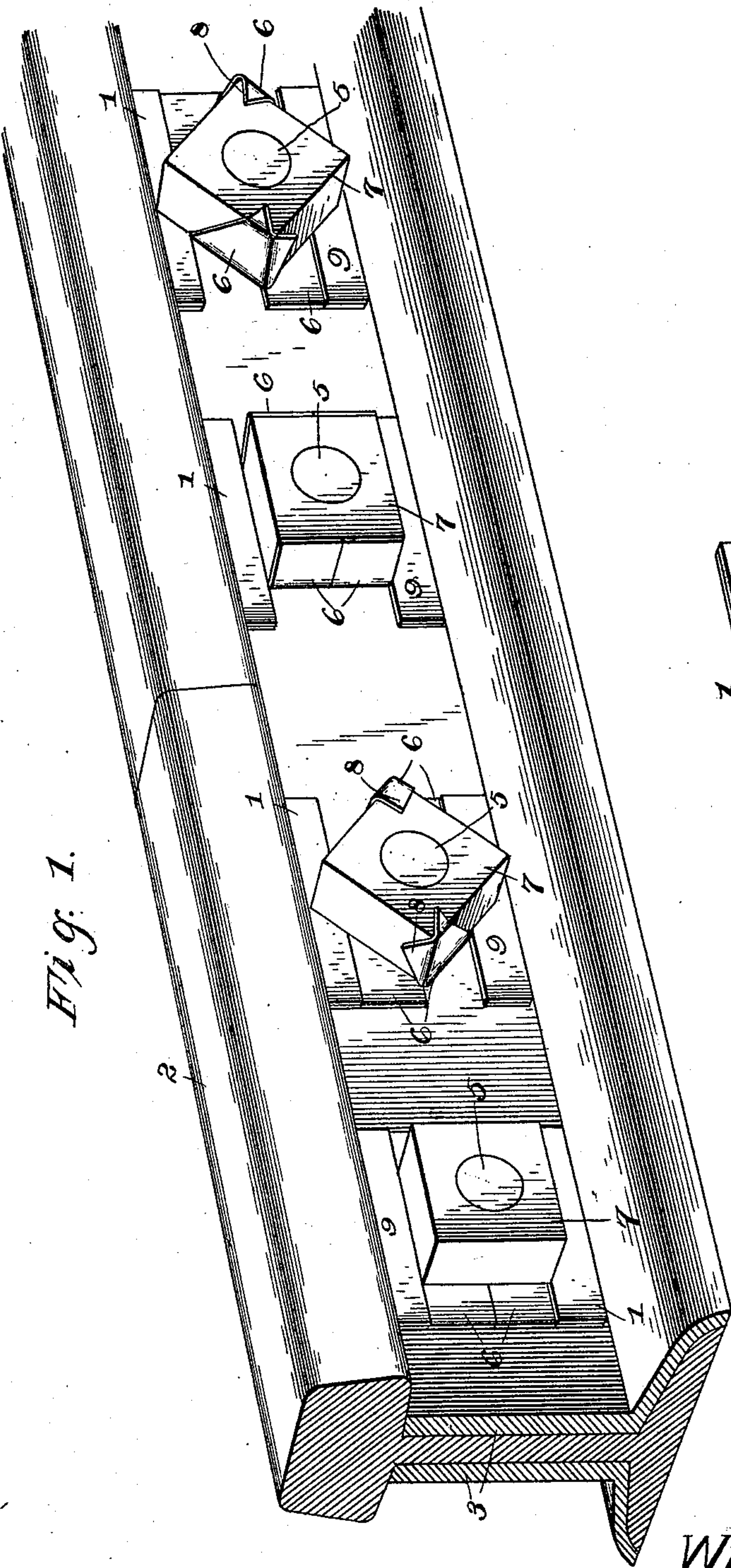


Fig. 2.

Inventor

William J. Devers,

Witnesses

C. A. Ford
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By his Attorneys,

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UNITED STATES PATENT OFFICE.

WILLIAM JOSEPH DEVERS, OF SCRANTON, PENNSYLVANIA, ASSIGNOR OF
ONE-THIRD TO M. F. ROONEY, OF SAME PLACE.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 514,217, dated February 6, 1894.

Application filed July 22, 1893. Serial No. 481,210. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM JOSEPH DEVERS, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented a new and useful Nut-Lock, of which the following is a specification.

The invention relates to improvements in nut locks.

The object of the present invention is to provide a simple and inexpensive nut lock, adapted for rail joints and analogous uses, and capable of quickly securing a nut in any position, and of enabling the same to be readily released when desired.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended.

In the drawings—Figure 1 is a perspective view of a rail joint provided with nut locks constructed in accordance with this invention. Fig. 2 is a detail perspective view of one of the nut locks.

Like numerals of reference indicate corresponding parts in both figures of the drawings.

1 designates a rectangular plate constructed of sheet metal, of a size to fit snugly under the head of a rail 2 and between the same and the bottom flange of an angle fish-plate 3, whereby it is securely held against turning. The locking plate 1 has a central opening 4 to receive a bolt 5, and it is provided with a series of parallel horizontal slits forming locking tongues 6, adapted to be turned up against a nut 7 for holding the same against turning. Any two of the locking tongues may be turned up against the nut as illustrated in Fig. 1 of the accompanying drawings, and when the nut is turned at an angle the locking tongues are hammered over the face of the nut as at 8, and securely clamp the nut against turning. When the nut is arranged with its upper face parallel with the head of the rail, all of the tongues may be turned up against the side faces as shown in Fig. 1 of the accompanying drawings.

It will be readily apparent that the nut lock is exceedingly simple and inexpensive in construction, that it is readily manufactured, and that one man is capable of carry-

ing a large number of them without inconvenience. It will also be apparent that they are capable of being rapidly applied to nuts, and are adapted for securing a nut against turning at any position in which the nut may be. The simplicity of the nut lock enables it to be used in other places, such as on cars, and different portions of machinery.

The locking plate may, as illustrated in the accompanying drawings, be provided with a strengthening frame or plate 9, which has parallel upper and lower portions and a central circular portion. The parallel upper and lower portions extend beneath the head of the rail and along the lower flange of the fish-plate; and the central circular portion surrounds the bolt hole or opening. This construction greatly contributes to the strength and durability of the nut lock.

Perforations 10 are provided at opposite sides of the bolt opening 4, to enable the locking plate to be readily attached to any suitable supporting surface by screws or other fastening devices, in order that the nut lock may be employed for locking all classes of nuts.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

A nut lock comprising a rectangular locking plate provided with a central bolt opening and adapted to fit snugly beneath the head of a rail and provided at each side with a series of horizontal slits forming a series of parallel horizontally-disposed locking tongues, and a frame or plate 9 secured to the locking plate and having parallel upper and lower portions, and provided with a central circular portion having an opening registering with the bolt opening of the locking plate, substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM JOSEPH DEVERS.

Witnesses:

J. L. LAWRENCE,
MARY C. POWELL.