

No. 885,465.

PATENTED APR. 21, 1908.

M. F. GIFFIN.

NUT LOCK.

APPLICATION FILED SEPT. 30, 1907.

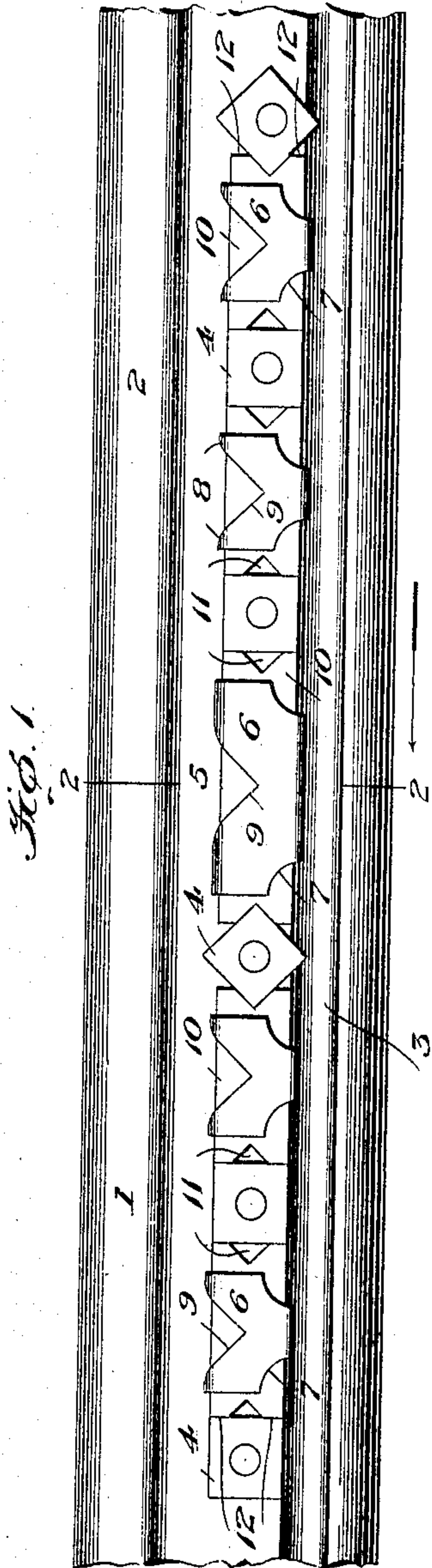


Fig. 1.

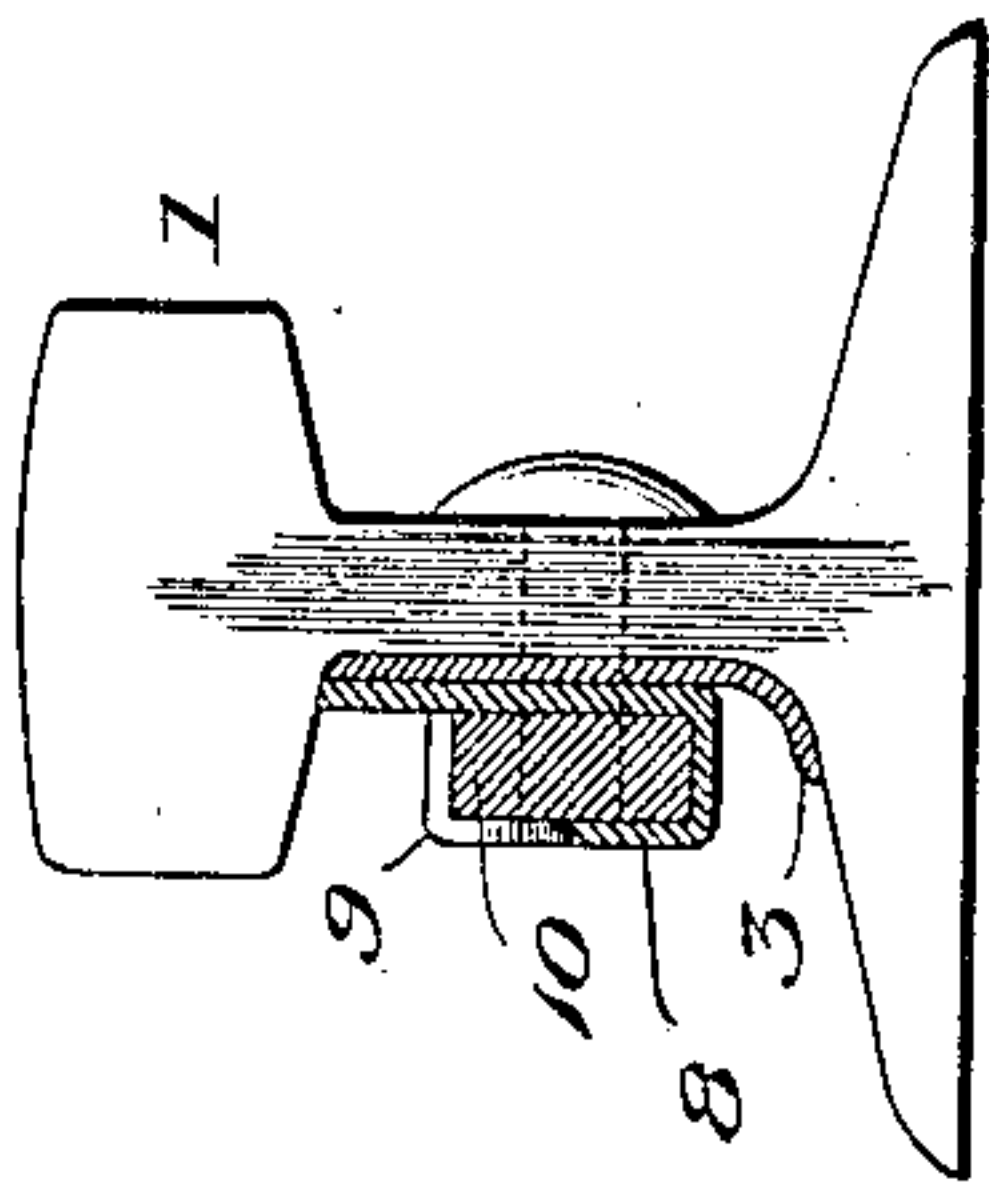


Fig. 2.

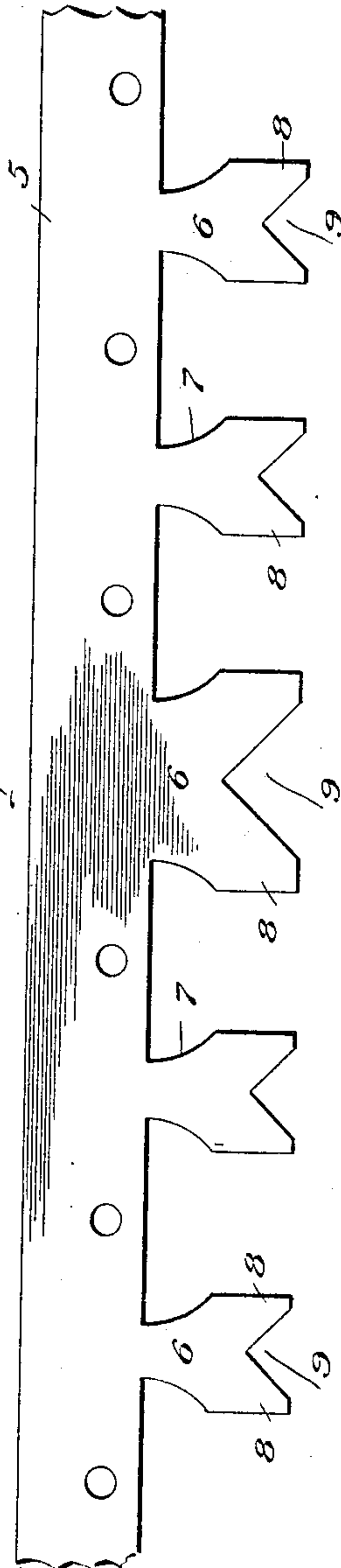


Fig. 3.

Marshal T. Giffin ^{Inventor}

Witnesses

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By

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UNITED STATES PATENT OFFICE.

MARSHEL FLEMMING GIFFIN, OF COVE, OREGON.

NUT-LOCK.

No. 885,465.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed September 30, 1907. Serial No. 395,075.

To all whom it may concern:

Be it known that I, MARSHEL FLEMMING GIFFIN, a citizen of the United States, residing at Cove, county of Union, and State of Oregon, have invented certain new and useful Improvements in Nut-Locks, of which the following is a specification.

My invention relates to nut-locks.

The present invention has relation to that class of nut-locks comprising a piece of metal engaged by the bolts and having bendable tongues bent or hammered over locking blocks interposed between the nuts and it has for its object the provision of tongues of novel construction which may be more readily bent or hammered down onto the locking blocks and will, while affording adequate means for engaging the lock-blocks, also be so constructed that they will readily allow the application of a wrench.

The invention is set forth fully hereinafter and the novel features are recited in the appended claims.

In the accompanying drawings: Figure 1 is a side view, Fig. 2, a section on line 2—2 of Fig. 1, and Fig. 3, a detail of the blank.

The usual rail ends are shown at 1 and 2, and 3 is one of the fish plates, while the nuts are shown at 4.

I provide a continuous metal strip 5 having holes through which the bolts pass, said strip being located back of the nuts. This strip as it appears in blank form is shown in Fig. 3, being provided with keepers 6 which are comparatively narrow where they join the body, are curved at 7, and then continue as two tongues 8, which are separated by a notch or bifurcation 9.

The lock-blocks 10 are of a form heretofore employed, being provided with notches 11 at their ends and also with squared end faces 12 so that they may engage the side or corner of the nut. These lock-blocks are preferably of malleable iron so that they may be short-

ened or lengthened by hammering to insure a proper fit between and engagement with the nuts.

In using the device, the plate is slipped over the bolts and the nuts are then screwed tight, after which the lock-blocks are inserted and engaged with the sides or corners of the nuts and the keepers are next bent as shown in Figs. 1 and 2, the tongues 8, on account of being separate or independent, being much more readily bent or hammered down on the upper edges of the lock-blocks than would be possible if the keepers were made without the notch or bifurcation 9, while all the advantages of a single keeper are obtained because the tongues 8 embrace the end parts of the lock-blocks and prevent any vertical tilting thereof. Provision of the cut-out part 7 permits the ready application of a wrench in tightening the nuts without having to materially bend back the keepers 6 as no interference with the turning of the wrench is encountered.

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

In a nut-lock, the combination with a plate adapted to be held by adjacent bolts and having a keeper springing therefrom with sufficient space left for the application of a wrench to the nuts without interference with the keeper, said keeper thence spreading or widening and being formed into independent tongues, and a lock-block for engaging adjacent nuts against which the tongues are adapted to be independently bent between the nuts.

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

MARSHEL FLEMMING GIFFIN.

Witnesses:

W. P. STEVENS,
JASPER G. STEVENS.