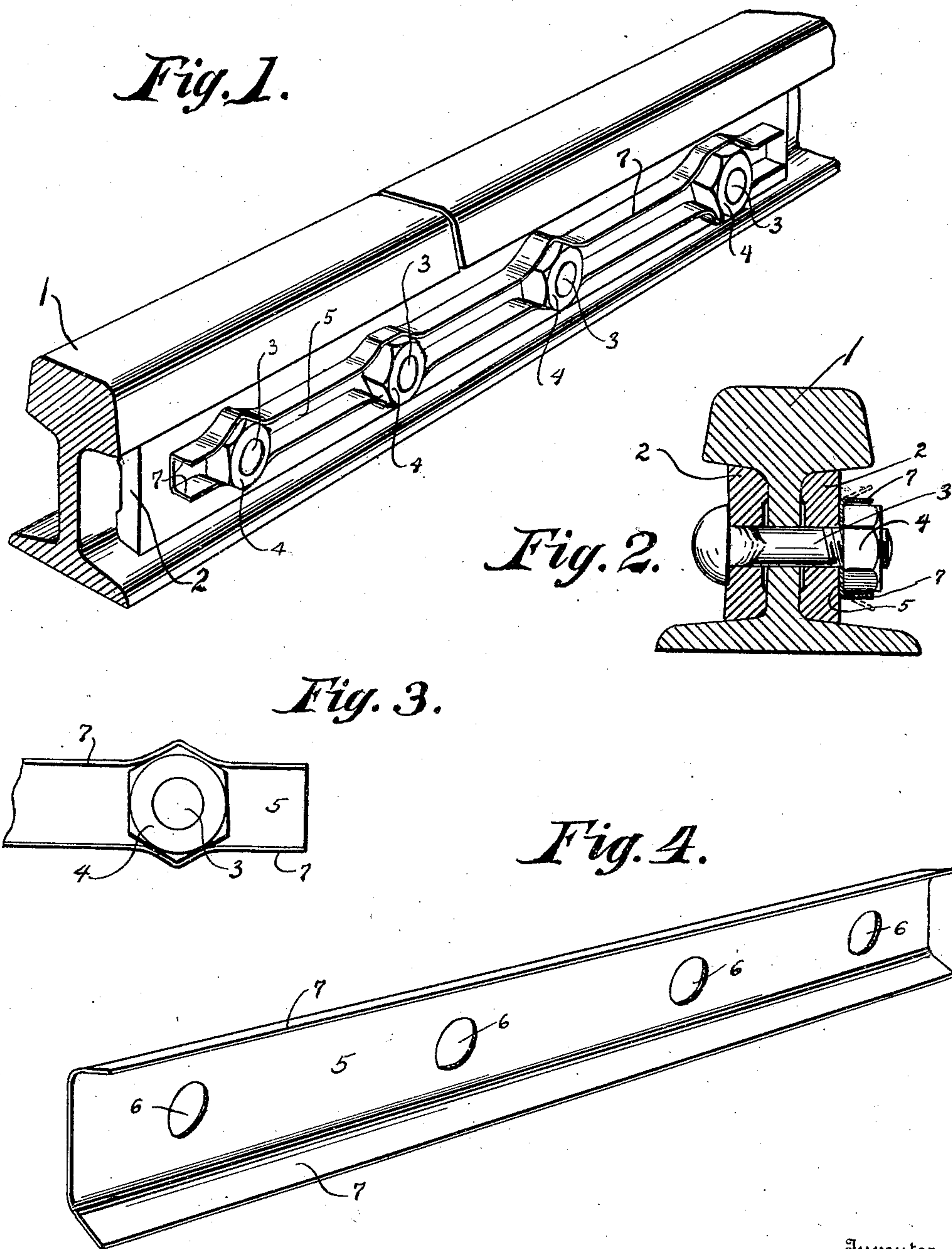


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PATENTED FEB. 5, 1907.

D. C. CHADDOCK.
NUT LOCK.

APPLICATION FILED JULY 17, 1905. RENEWED DEC. 18, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

DAVID C. CHADDOCK, OF WOOSTER, OHIO.

NUT-LOCK.

No. 842,937.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed July 17, 1905. Renewed December 18, 1906. Serial No. 348,474.

To all whom it may concern:

Be it known that I, DAVID C. CHADDOCK; a citizen of the United States, residing at Wooster, in the county of Wayne and State of Ohio, have invented certain new and useful Improvements in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, marking a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a perspective view showing the different parts of the lock properly assembled and the lock proper applied to a railway joint or splice. Fig. 2 is a transverse section. Fig. 3 is a view showing a portion of the nut-locking plate and illustrating a nut properly locked against rotation. Fig. 4 is a detached view of the nut-locking plate, showing the same in its originally-formed shape, or substantially so.

The present invention has relation to nut-locks; and it consists in the novel construction hereinafter described, and particularly pointed out in the claim.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, 1 represents the railway-rails, and 2 represents an ordinary or common fish-plate. The bolts 3 are of the usual construction and of course provided with the usual headed and non-rotatable ends and the screw-threaded ends, upon which the nuts 4 are located. The nuts 4 may be of the form shown, or they may be of any other desired form—that is to say, square or hexagon—as by my peculiar locking-plate I am enabled to lock the nuts against rotation after they have been brought into the position to clamp the parts designed to be held regardless of the kind of nut employed, except, of course, the nuts must be so formed that they can be rotated by means of a wrench. The locking-plate 5 is formed of bendable sheet metal of such a thickness that it can be bent, as hereinafter described, by means of tongs or other suitable tool; but it will be understood that the plate should be formed of such a material that it will remain in its final bent position, or, in other words, that the plate will not be

easily bent after it has been brought into the position to lock the nuts. The plate 5 is provided with apertures 6, through which apertures the bolts 3 are passed.

In assembling the different parts, the different parts designed to be clamped are brought into position and the bolts placed in position, after which the locking-plate while in the form shown in Fig. 4 is placed in position and the nuts turned upon the bolts until they are brought home, after which the flanges 7 of the locking-plate 5 are bent over and upon the contact edges of the nuts.

It will be understood that the nuts may be locked regardless of their final stopping-point, owing to the fact that the flanges 7 can be bent so as to come in contact with the flat edges of the nut regardless of the number of angles with which the flanges engage. By my peculiar arrangement the nuts will be locked against rotation when one or two angles of the nut are brought in contact with flanges 7, which flanges of course are bent to conform with the angularity of the edges of the nuts, or, in other words, the flanges 7 are brought parallel with the edges of the nuts equal to the contact-surfaces as between the inner edges of the flanges 7 and the edges of the various nuts.

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

In a nut-lock of the class described, a series of bolts having heads and screw-threaded portions, nuts located upon the bolts, a locking-plate located upon the series of bolts and back of the nuts, said locking-plate provided with nut-locking flanges formed of a length equal to the length of the locking-plate, said locking-flanges formed of bendable material and adapted to be bent into contact with the different angularities of the edge faces of the series of nuts upon the bolts, substantially as and for the purpose specified.

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

DAVID C. CHADDOCK.

Witnesses:

JOHN R. MCKINNEY,
JOHN F. BARRETT.