

No. 680,690.

Patented Aug. 20, 1901.

J. W. BRANNON.

NUT LOCK.

(Application filed Jan. 17, 1901.)

(No Model.)

Fig. 1.

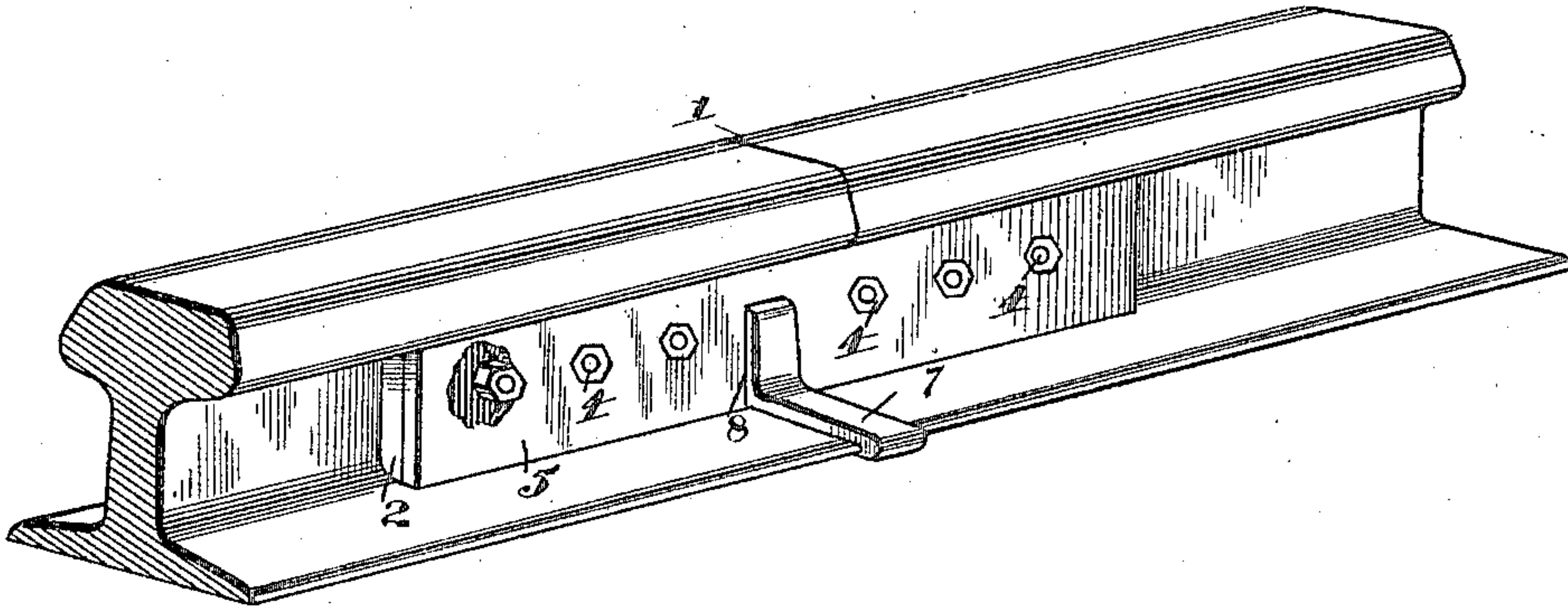


Fig. 2.

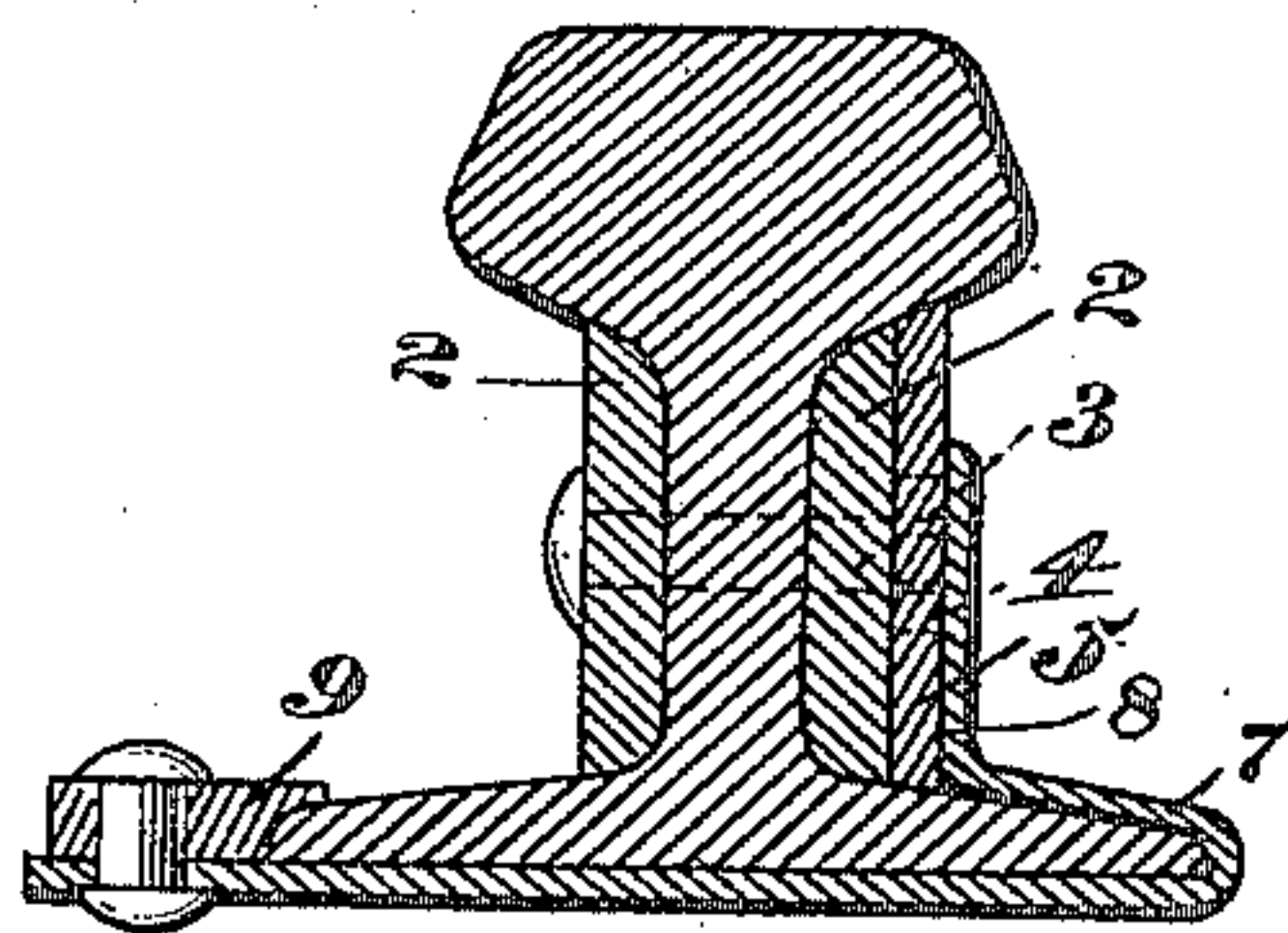
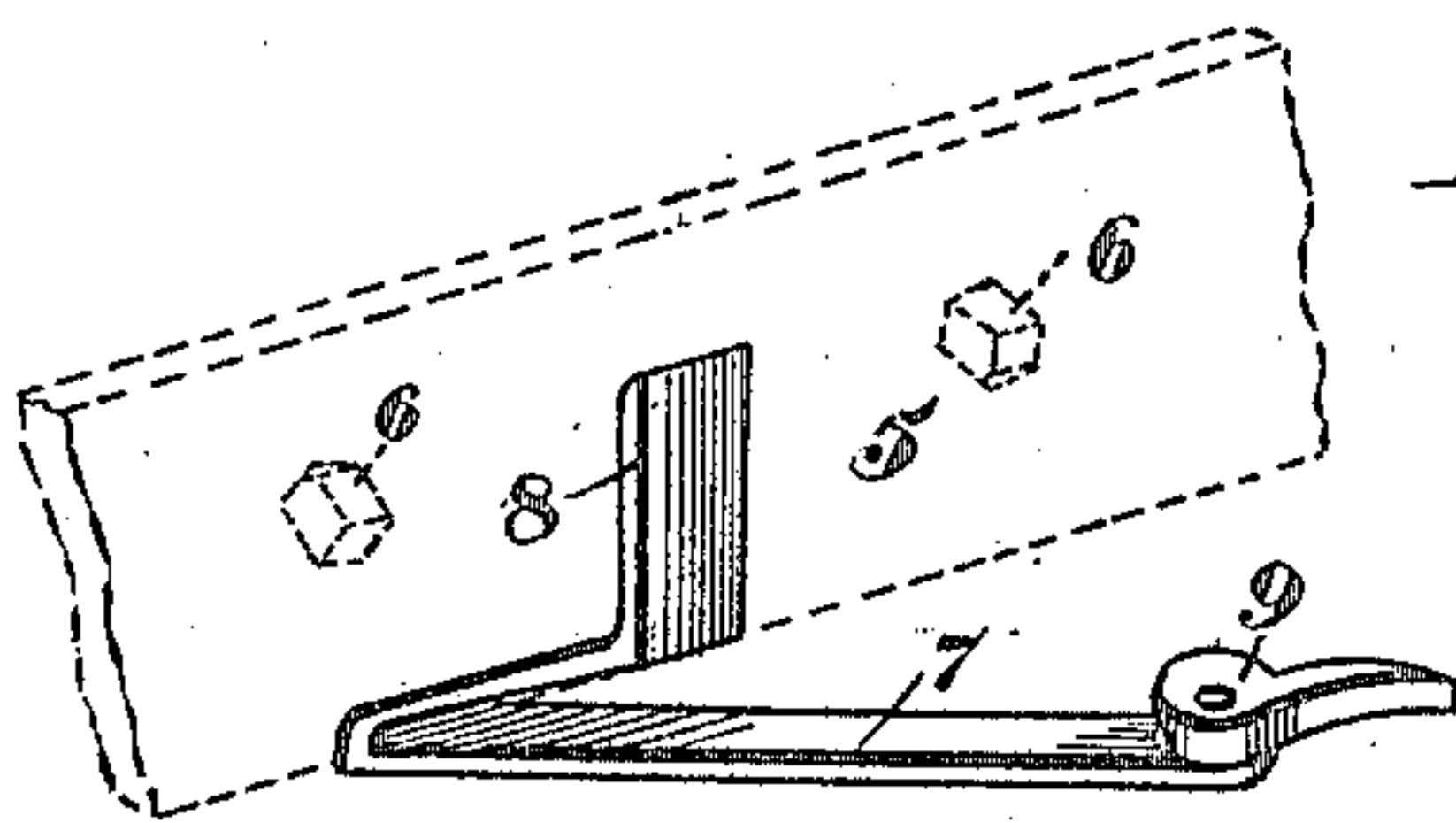


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN WILLIAM BRANNON, OF MARQUAND, OHIO.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 680,690, dated August 20, 1901.

Application filed January 17, 1901. Serial No. 43,618. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILLIAM BRANNON, a citizen of the United States, residing at Marquand, in the county of Muskingum and State of Ohio, have invented certain new and useful Improvements in Nut-Locks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

The invention relates to nut-locks.

The object of the invention is to provide a lock of this character which shall be of such construction that all of the nuts used in con-
15 necting the fish-plates together at the meeting ends of rails may be simultaneously and securely locked.

With this and other minor objects in view the invention consists of certain novel fea-
20 tures of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is
25 a perspective view of two rails, illustrating the application of my invention. Fig. 2 is a vertical cross-sectional view.

Referring now more particularly to the drawings, 1 denotes the meeting ends of two
30 rails; 2, the fish-plates; 3, the bolts, and 4 the nuts. These parts are of well-known construction.

5 denotes a locking-bar provided with ap-
35 ertures 6, the walls of which are adapted to embrace the nuts and prevent them from turning.

7 denotes a tie-rod having one end attached
40 to the bar at 8, thence bent downwardly to snugly fit one side of the base of the rail, and thence under the base and having its extrem-
ity extending upward along the edge of the

opposite side of the base. To this upwardly-
extending end is pivoted a cam-lever 9, which
is adapted to act against the edge of the base
of the rail and draw the parts firmly together
45 to hold them in locked position.

From the foregoing description, taken in
connection with the accompanying drawings,
the construction, operation, and advantages
of my improved nut-lock will be readily un-
50 derstood without requiring a more extended
explanation.

Various changes in the form, proportion,
and minor details of construction may be
made within the scope of the invention with-
out departing from the spirit or sacrificing
55 any of the advantages thereof.

The device is an exceedingly simple one
and may be applied to rails now in use with-
out changing the nuts or bolts that secure the
60 fish-plates to the rails and the rails to each
other.

Having thus described my invention, what
I claim, and desire to secure by Letters Pat-
ent, is—

A nut-lock comprising a bar adapted to en-
65 gage and prevent the rotation of the nuts of
a railroad-rail, a tie-rod having one end con-
nected to said bar and adapted to engage and
project under the base of the rail and having
70 its other end provided with an upward ex-
tension, and a cam pivoted to said upper ex-
tension and adapted to engage the edge of
the rail, substantially as set forth.

In testimony whereof I have hereunto set
75 my hand in the presence of two subscribing
witnesses.

JOHN WILLIAM BRANNON.

Witnesses:

GEO. F. RIEGER,
E. B. CASTOR.