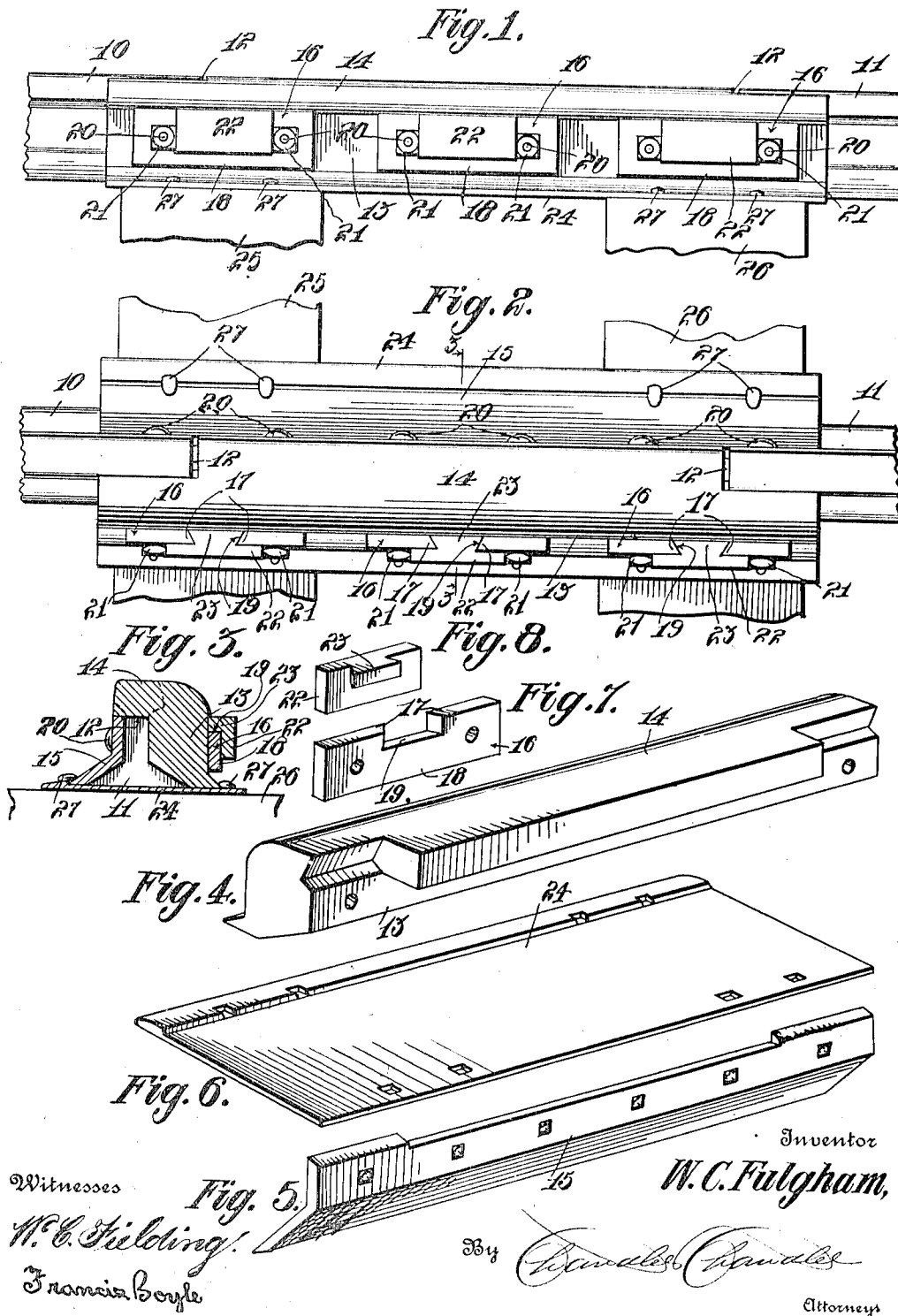


W. C. FULGHAM.
RAIL JOINT.
APPLICATION FILED AUG. 5, 1912.

1,064,139.

Patented June 10, 1913.



Witnesses

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Fig. 5.

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UNITED STATES PATENT OFFICE.

WILLIAM C. FULGHAM, OF UTICA, MISSISSIPPI.

RAIL-JOINT.

1,064,139.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM C. FULGHAM, a citizen of the United States, residing at Utica, in the county of Hinds, State of Mississippi; have invented certain new and useful improvements in Rail-Joints; and I do hereby 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 appertains to make and use the same.

This invention relates to rail joints and has for an object to provide a rail joint in which the nuts will positively be held from backing off from the bolts.

A further object of the invention is to provide a rail joint having a novel abutment plate for the nuts, and having a novel locking plate adapted to interfit with the abutment plate, the abutment plate and locking plate coacting in positively preventing rattling of the joint and escape of the nuts from the bolt.

With the above objects in view the invention consists of certain novel details of construction and combination of parts herein-after fully described and claimed, it being understood that various modifications may be made in the minor details of construction within the scope of the appended claim.

In the accompanying drawing forming part of this specification:—Figure 1 is a side elevation of my improved rail joint. Fig. 2 is a plan view of the rail joint. Fig. 3 is a cross sectional view taken on the line 3—3 Fig. 2. Fig. 4 is a detail perspective view of one of the fish plates. Fig. 5 is a detail perspective view of the other fish plate. Fig. 6 is a detail perspective view of the bed plate. Fig. 7 is a detail perspective view of the abutment plate. Fig. 8 is a detail perspective view of the locking plate.

Referring now to the drawing in which like characters of reference designate similar parts, 10 and 11 designate abutting rail ends, the heads of both rail ends being removed near the abutting end faces of the rails as shown at 12.

A fish plate 13 is provided with a head 14 adapted to fit in the cut away head portions of both rails and form a continuation of

both rail heads. This fish plate bears against the outer sides of both rails. A fish plate 15 of ordinary character is disposed against the inner side of both rails.

A substantially oblong abutment plate 16 is disposed on the outer face of the outer fish plate 13, and is provided in the top edge 17 at the central portion 18 of the plate with a dove-tail slot 19. Bolts 20 are passed through registering openings in the fish plates and in the abutment plate, and nuts 21 are screwed on to the bolts and advanced snug up against the abutment plate.

A substantially oblong locking plate 22 is provided on the inner face with a dove-tail knob 23. The knob is slipped down into and snugly conforms to the contour of the slot 19 in the abutment plate, the locking plate being positioned on the outer face of the locking plate and bearing with the end edges against the confronting wrench faces of the nuts 21. The locking plates positively prevent retrograde rotation of the nuts from the bolts, and the knob on the locking plate prevents removal of the locking plate except by manual vertical movement bodily of the locking plate, the locking plate thus being anchored against accidental displacement.

A bed plate 24 is disposed between the rail ends 10 and 11 as shown, the bed plate bearing terminally upon two juxtaposed ties 25 and 26 and being spiked in position as shown at 27.

What is claimed, is:—

In a nut lock, the combination with spaced bolts and nuts thereon, of an abutment plate having spaced openings receiving said bolts, and having a dovetail slot in the top edge between said openings, and a locking plate on the outer face of said abutment plate bearing with the end edges against said nuts and having a dove-tail knob on the inner top edge portion fitting in said slot.

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

W. C. FULGHAM.

Witnesses:

E. M. BROOME,
J. R. JONES.