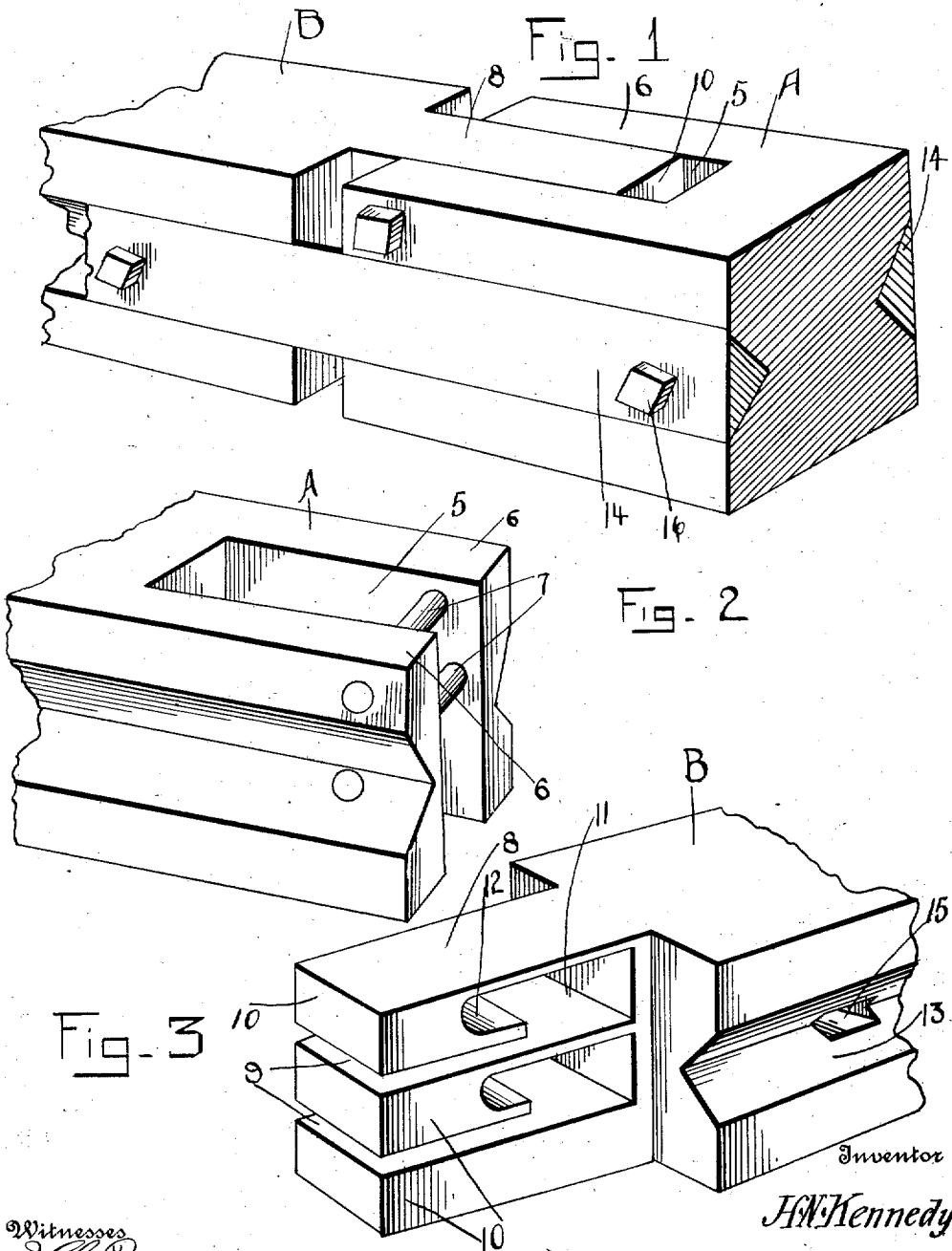


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RAIL JOINT.
APPLICATION FILED JULY 12, 1911.

1,019,966.

Patented Mar. 12, 1912.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

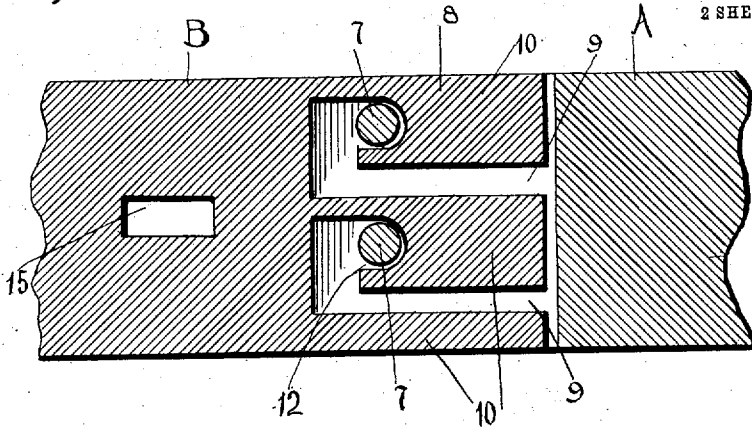


FIG. 4

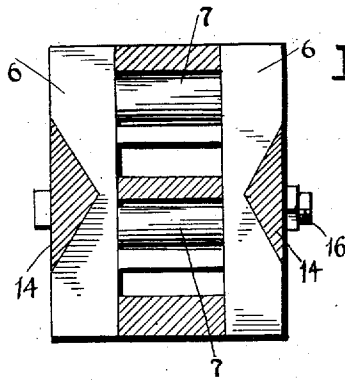


FIG. 5

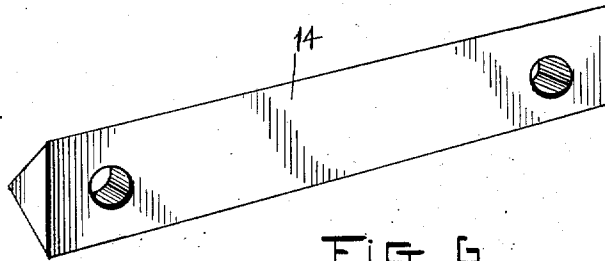


FIG. 6

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UNITED STATES PATENT OFFICE.

HENRY N. KENNEDY, OF MAGNOLIA, MISSISSIPPI.

RAIL-JOINT.

1,019,966.

Specification of Letters Patent.

Patented Mar. 12, 1912.

Application filed July 12, 1911. Serial No. 638,152.

To all whom it may concern:

Be it known that I, HENRY N. KENNEDY, a citizen of the United States, residing at Magnolia, in the county of Pike, 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 an improvement in rail joints.

The principal object of the invention is to provide a rail joint which will permit of a limited amount of creeping of the rails.

Another object of the invention is to provide a joint of the character described in which a novel form of locking means is provided between the meeting ends of adjacent rails.

A further object of the invention is to provide a rail joint of the character described which is composed of a minimum number of parts, is therefore simple in construction, and is cheap to manufacture.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings: Figure 1 is a detail perspective view of the joint constructed in accordance with my invention, Fig. 2 is a perspective view of one end of one of the rails, Fig. 3 is a perspective view of the adjacent end of another rail, Fig. 4 is a vertical longitudinal sectional view through the meeting ends of the rails, Fig. 5 is transverse sectional view through the meeting ends of the rails, and Fig. 6 is a perspective view of one of the fish-plates.

Like reference numerals designate corresponding parts in all the figures of the drawings.

Referring to the drawings, the invention comprises a pair of adjacent rails A and B respectively. The meeting end of the rail A is formed with an inwardly extending and

centrally disposed vertical slot 5 forming consequent fingers 6—6. A plurality of transverse pins 7 project across the slot 5, and have their ends disposed within suitable openings formed in the outer ends of the fingers 6.

The meeting end of the rail B is formed with a central longitudinal tongue, indicated as a whole by the reference numeral 8, of a size to fill the slot 5 of the rail A. This tongue 8 is formed with a plurality of horizontal recesses 9—9 forming a plurality of fingers 10. The upper pair of fingers are recesses on their underfaces, as indicated by the reference numerals 11, to form consequent hooks 12 adapted to engage the pins 7 when the tongue 8 is disposed within the slot 5. The length of the bill portion of the hooks 12 is such as to permit of a limited longitudinal movement of the rails.

Each of the outer faces of the rails are formed with a longitudinal and preferably V-shaped recess 13, which recesses are respectively adapted to receive correspondingly shaped fish-plates 14—14. In one of the rails, preferably the rail B, is an elongated and transversely disposed slot 15, wherethrough passes the shank of a bolt 16. Another bolt 17 passes through suitable openings formed in the fish plates and the other rail for securing said plates in position.

From the foregoing, it will be observed that by reason of this construction, when the rails contract the fish-plates will remain stationary, and by reason of the fact that the bolt 16 passes through the elongated opening 15, such creeping movement of the rails is made possible. As this creeping takes place the hooks 12 engage the transverse pins 7, and thereby positively prevent any possibility of the rail B from rising, and also limiting the amount of creeping of said rails.

What is claimed is:—

1. A rail joint including in combination, a pair of rails disposed end to end, the meeting end of one of the rails being formed with an inwardly extending longitudinal slot forming consequent fingers, a plurality of transverse pins carried by the fingers and projecting across the slot, the meeting end of the other rail being formed with a projecting tongue adapted for engagement within said slot, said tongue being slotted to form a plurality of hooks engageable with

the transverse pins of the first mentioned rail.

2. A rail joint including in combination, a pair of rails disposed end to end, the meeting end of one of the rails being centrally formed with a vertical and inwardly extending longitudinal slot forming consequent fingers, a plurality of transverse pins carried by the fingers and projecting across the slot adjacent the outer end thereof, the meeting end of the other rail being formed with a centrally projecting longitudinal tongue adapted for engagement within said slot, said tongue being slotted to form a plurality of spaced fingers, certain of said fingers being recessed on their underfaces to form hooks adapted to engage the pins of the first mentioned rail.

3. A rail joint comprising in combination, a pair of rails disposed end to end, one of the rails being formed with a transversely disposed elongated slot, the meeting end of

one of the rails being formed with an inwardly extending longitudinal slot forming consequent fingers, a plurality of transverse pins carried by the fingers and projecting across the slot, the meeting end of the other rail being formed with a projecting tongue adapted for engagement within said slot, said tongue being slotted to form a plurality of hooks engageable with the transverse pins of the first mentioned rail, fish-plates disposed on opposite sides of the rails, means for securing the fish-plates to one of the rails, and a bolt connecting the fish-plates and disposed within the elongated slot of the other rail.

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

HENRY N. KENNEDY.

Witnesses:

R. W. CUTLER,
A. D. NUNNERY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."