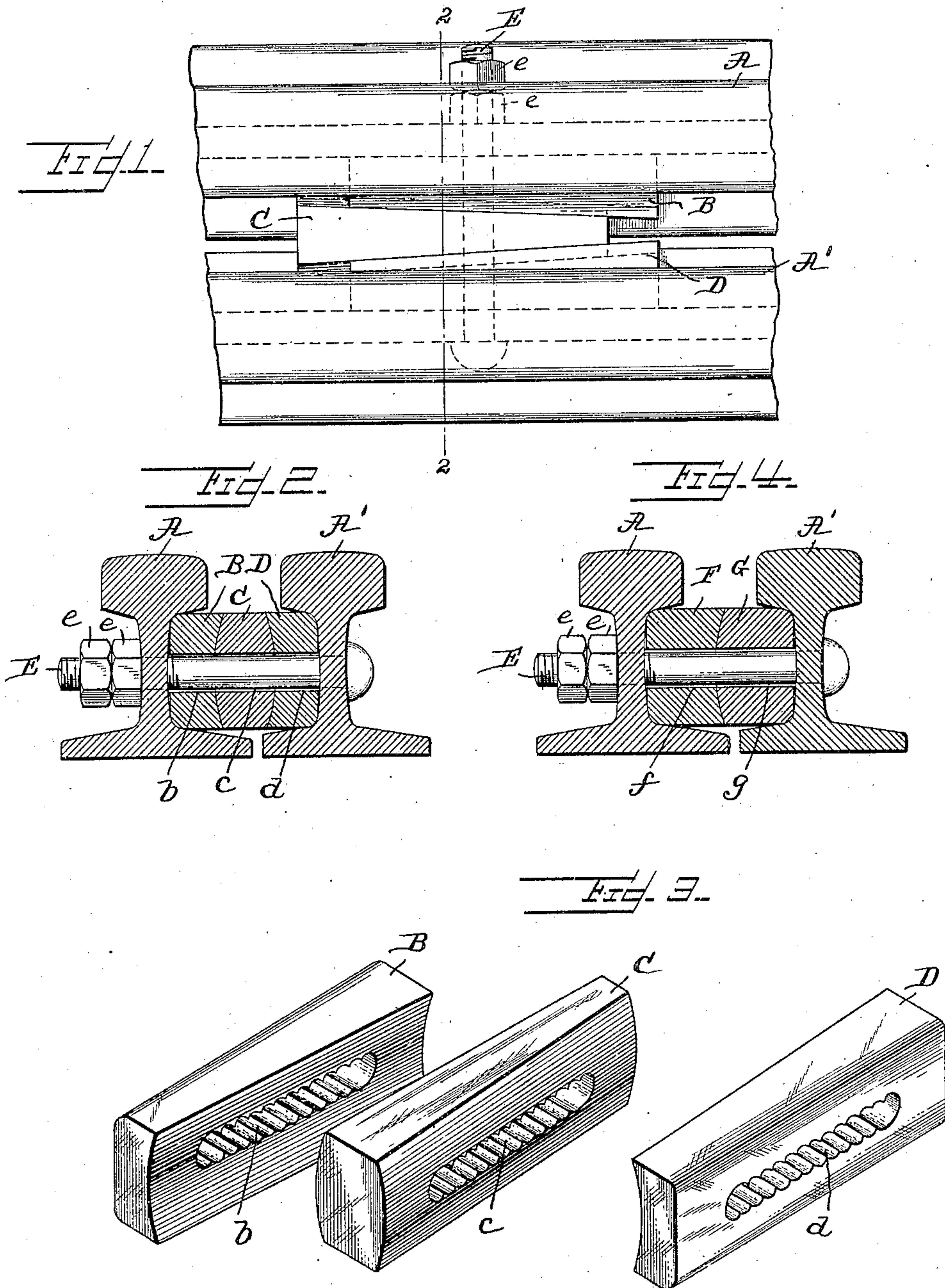


No. 843,939.

PATENTED FEB. 12, 1907.

F. GLENTON, JR.
ADJUSTABLE GUARD RAIL FASTENER.

APPLICATION FILED APR. 11, 1906.



WITNESSES:

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FEDERICO GLENTON, JR., OF JOHNSTOWN, PENNSYLVANIA, ASSIGNOR TO
THE LORAIN STEEL COMPANY, A CORPORATION OF PENNSYLVANIA.

ADJUSTABLE GUARD-RAIL FASTENER.

No. 843,939.

Specification of Letters Patent.

Patented Feb. 12, 1907.

Application filed April 11, 1906. Serial No. 311,042.

To all whom it may concern:

Be it known that I, FEDERICO GLENTON, Jr., of Johnstown, in the county of Cambria, and State of Pennsylvania, have invented a new and useful Improvement in Adjustable Guard-Rail Fasteners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in guard-rail fasteners; and it has for its object to provide a simple, cheap, and efficient device of this character which will firmly hold the guard-rail in its proper relation with the main rail and which can be adjusted without withdrawing the guard-rail in order to adjust the chock members.

With these objects in view my invention consists of the novel construction, arrangement, and combination of parts, all substantially as hereinafter described, and pointed out in the appended claims, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of a main rail and a guard-rail with my improved chock attached thereto. Fig. 2 is a sectional view on the line 2 2 of Fig. 1. Fig. 3 is a perspective view of the chock members shown in Figs. 1 and 2. Fig. 4 is a view similar to Fig. 2, showing a two-member chock.

A is the main rail; A', the guard-rail.

B, C, and D are the chock members.

E is the locking-bolt, and *e e* the nuts therefor.

The chock members B, C, and D are tapered or wedge-shaped. The inner faces of the members B and D are concaved, and the sides of the member C are convexed. The contour of the convexed sides of the member C is the same as that of the concaved sides of the members B and D. Each of the chock

members B, C, and D has a transversely-fluted orifice *b*, *c*, and *d*, respectively, the radii of these flutes being slightly greater than the radius of the body of the bolt E. Therefore when the rails and the chock members are bolted together the chock members are held in horizontal alinement by means of the concaved and convexed surfaces and are held in vertical alinement by means of the bolt engaging the flutes in the orifices *b*, *c*, and *d*.

In Fig. 4 the chock member is composed of the two wedge-shaped members F and G, having the fluted orifices *f* and *g*, respectively, the inner face of the member *f* being concaved, and the inner face of the member G is convexed.

When it is desired to adjust the guard-rail, the bolt E is removed and the chock members are moved to or fro to give the proper distance between the rails, and the bolt is then replaced and the nuts drawn home.

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

1. In an adjustable chock, a main rail, and a guard-rail, tapered chock members having contiguous concaved and convexed surfaces, and transversely-fluted orifices, and a locking-bolt engaging said orifices.

2. An adjustable chock, formed of wedge members having their contiguous faces provided with interfitting portions, and also having elongated orifices for a locking-bolt, said orifices having retaining means for the bolt.

In testimony whereof I have affixed my signature in presence of two witnesses.

FEDERICO GLENTON, JR.

Witnesses:

L. O'CONNELL,
H. W. SMITH.