

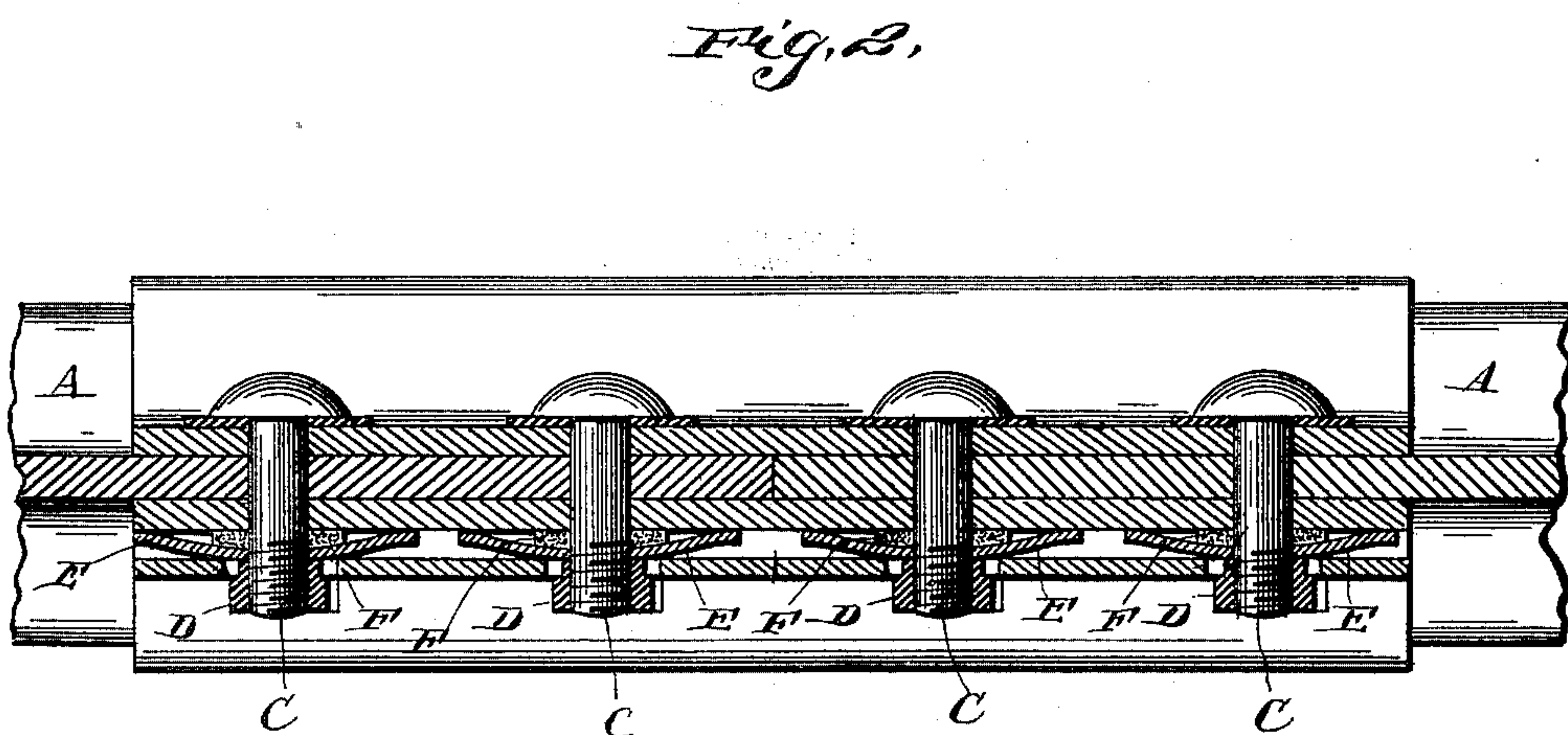
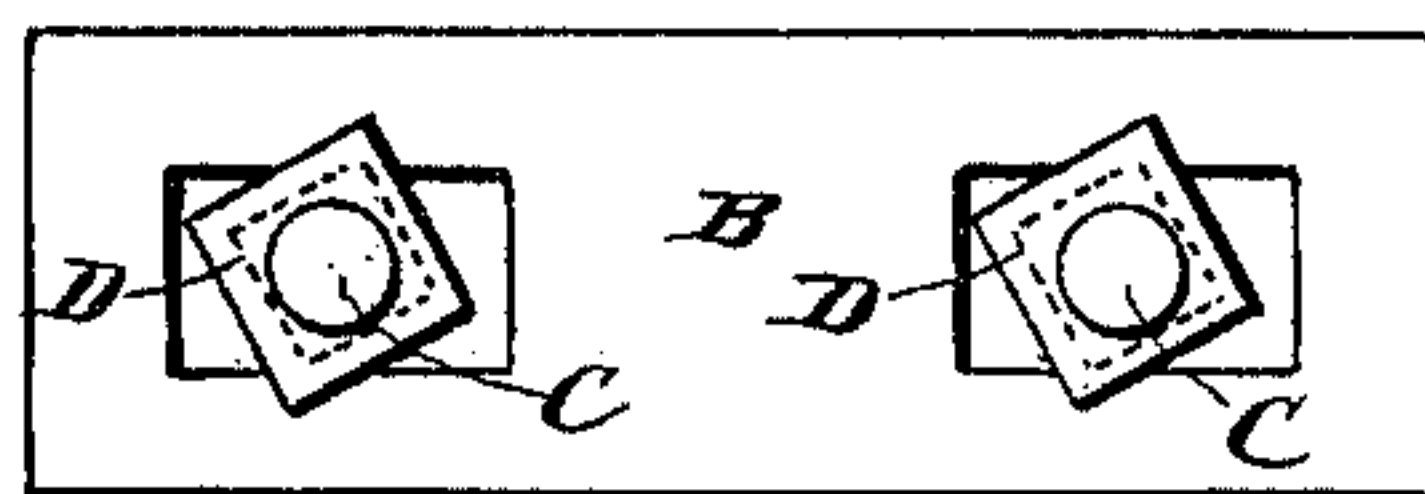
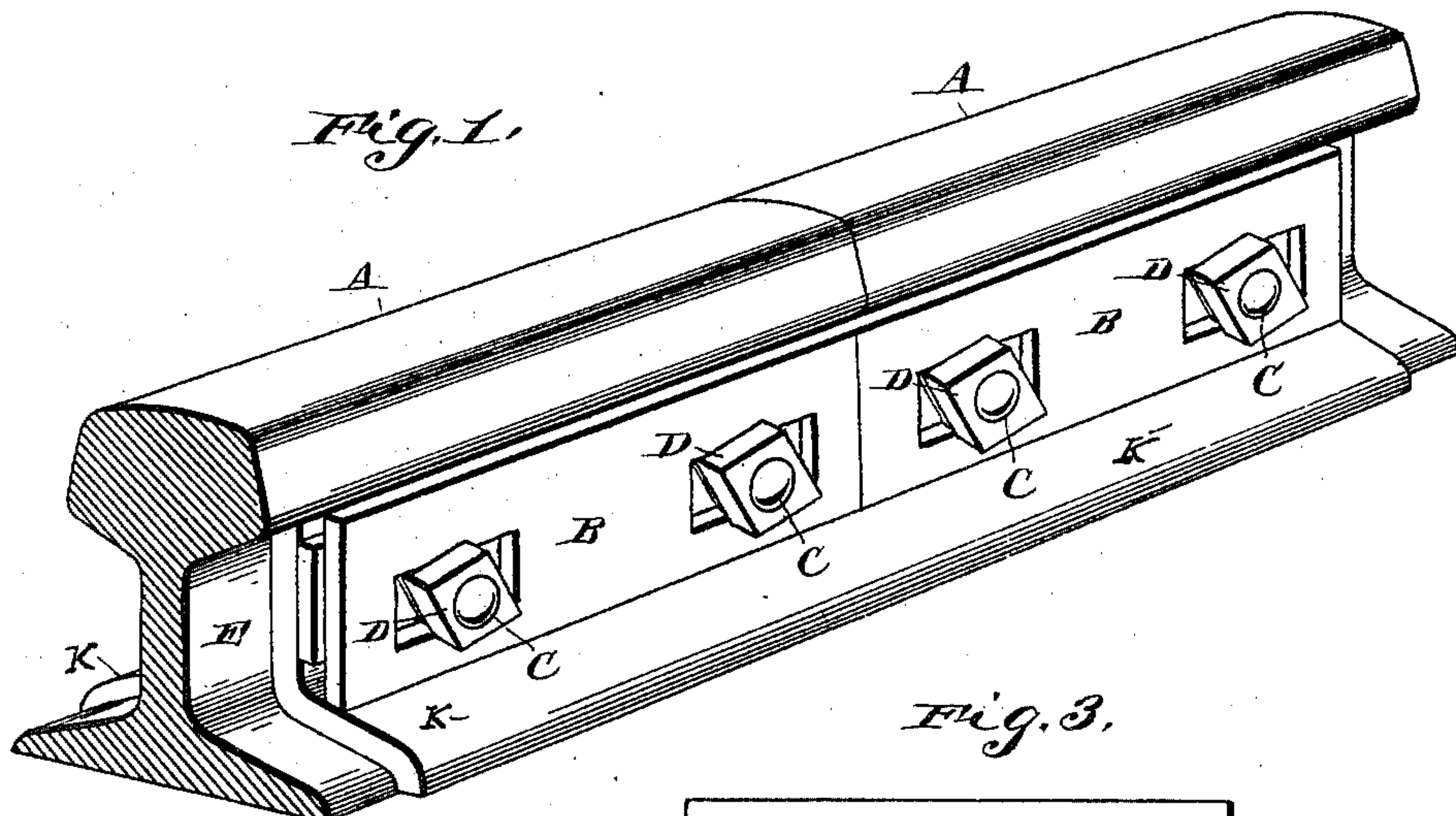
No. 626,358.

Patented June 6, 1899.

**E. L. ARNOLD.**  
**RAIL JOINT FASTENING.**

(Application filed Dec. 1, 1898.)

(No Model.)



Witnesses:  
*Wm. Lusk*  
*N. S. Whitaker*

Inventor:

*E. L. Arnold*

# UNITED STATES PATENT OFFICE.

ELIPHALET LESTER ARNOLD, OF CONROE, TEXAS.

## RAIL-JOINT FASTENING.

SPECIFICATION forming part of Letters Patent No. 626,358, dated June 6, 1899.

Application filed December 1, 1898. Serial No. 697,991. (No model.)

*To all whom it may concern:*

Be it known that I, ELIPHALET LESTER ARNOLD, a citizen of the United States, residing at Conroe, in the county of Montgomery, State of Texas, have invented a new Improvement in Railroad-Rail-Joint Fastenings, of which the following is a specification.

The object of my invention is to produce a durable substantial spring "nut-lock."

Reference is had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts, and in which—

Figure 1 shows a perspective view of the joint when locked. Fig. 2 shows a longitudinal section. Fig. 3 shows locking-plate B.

Referring to the drawings by letters, the detailed parts of the device are as follows: rails A A, such as commonly used on railroads, fish-bars K K, same as ordinarily used on railroads, through which bars pass bolts C C, being ordinary railroad-bolts, but on which are placed undercut nuts D D. Under these nuts and between the nut and the fish-plate are held spring-plates E E, made like a buggy-spring, and between the spring and

the fish-plate is held hard paper or other packing to deaden the rattle of the rail. On the nuts D D are locking-plates B B, each locking-plate covering two nuts. The locking-plate has two oblong holes, one at each end, each hole being one-fourth of an inch longer longitudinally than vertically to allow for expansion and contraction of the rails, and these oblong holes are adapted to pass over such nuts and drop into the undercut of the nuts.

What I claim as new, and on which I desire to secure Letters Patent, is—

The combination with a bolt or bolts and their undercut nuts, of a locking-plate having oblong holes adapted to pass over such nuts and engage the shoulders at the rear, spring-plates at the rear of the locking-plate engaging the nuts, and a packing between the spring-plates and body through which the bolt passes.

Signed at Conroe, in Montgomery county, Texas, November 28, 1898.

ELIPHALET LESTER ARNOLD.

Witnesses:

C. B. LAMBERT,  
H. S. WHITAKER.