

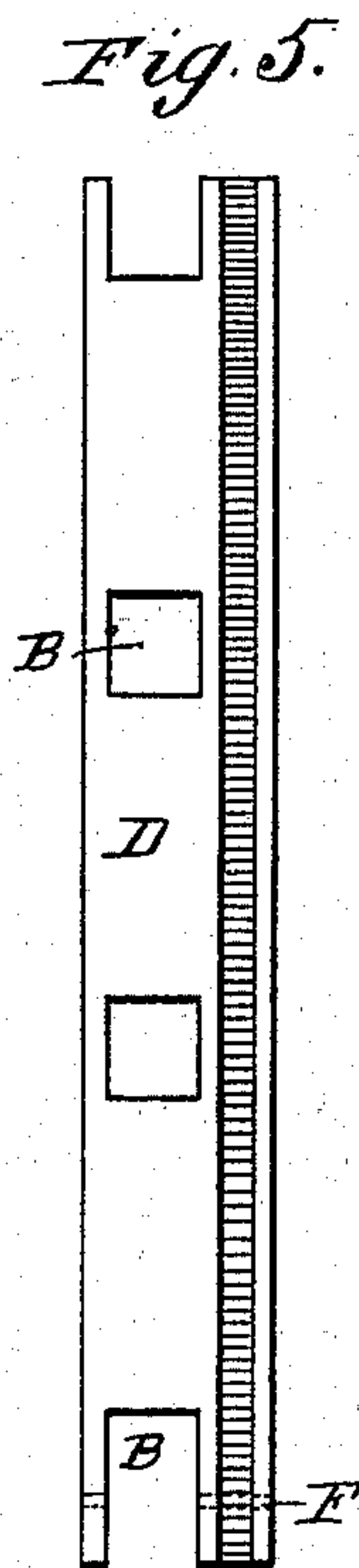
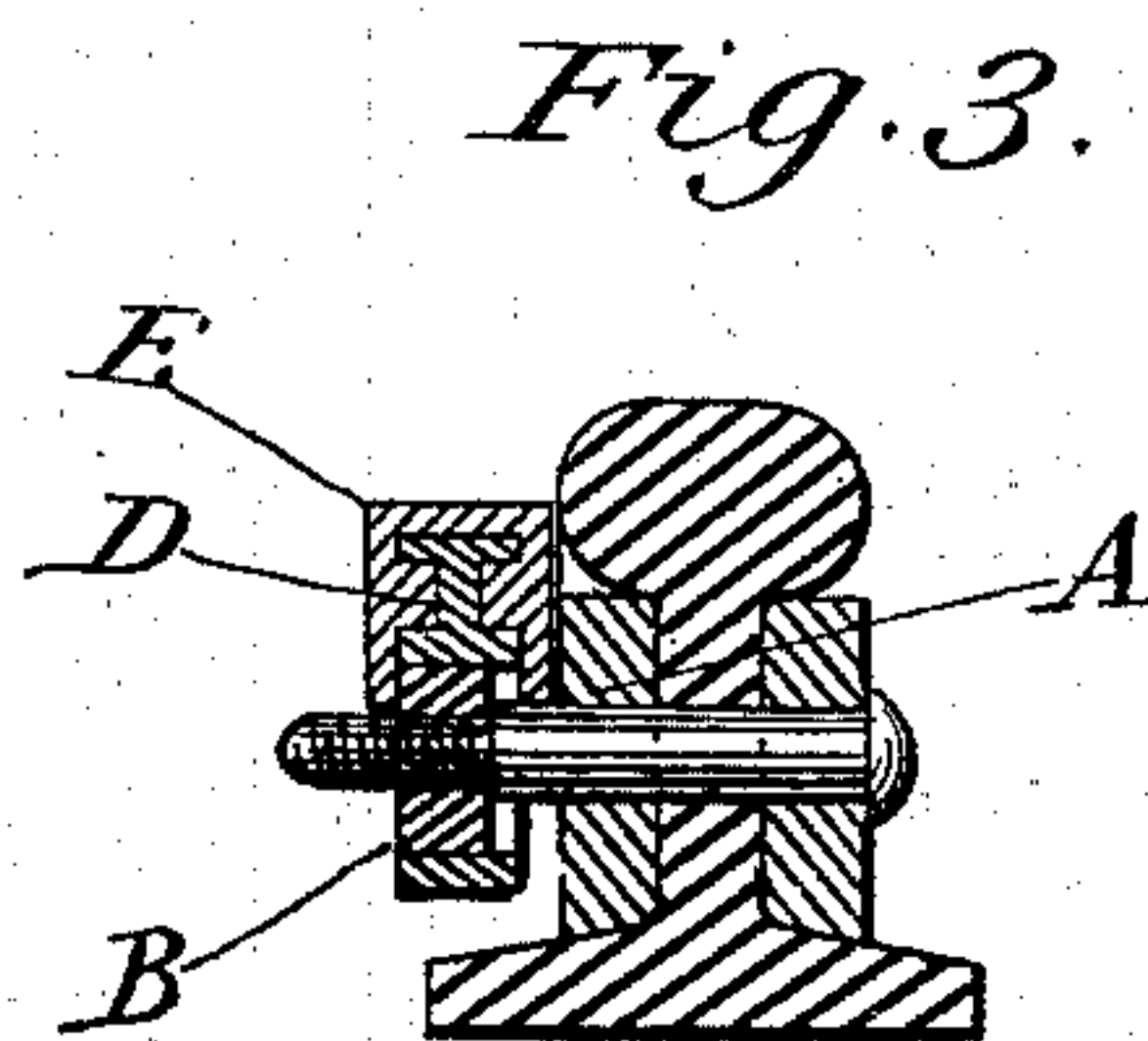
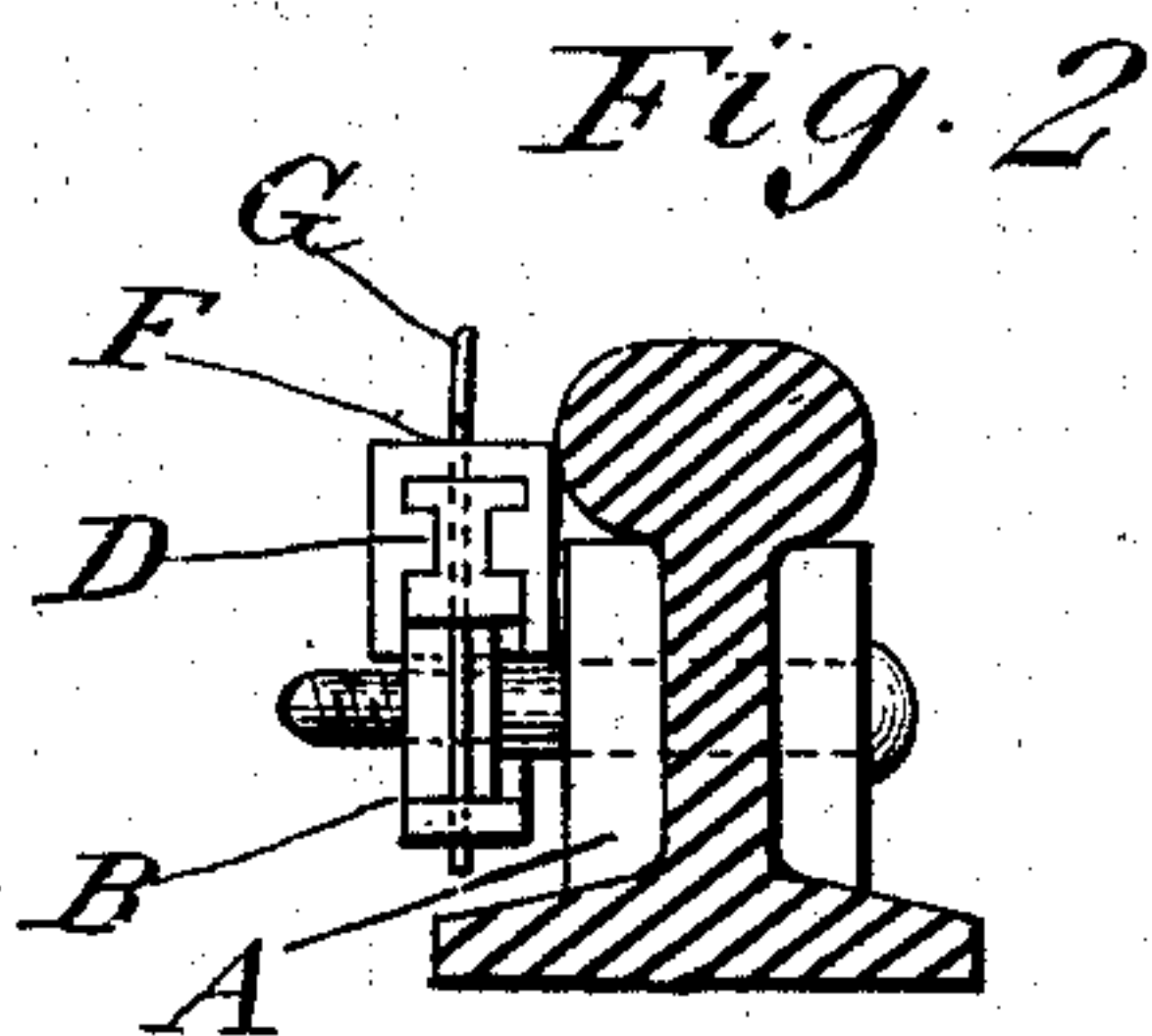
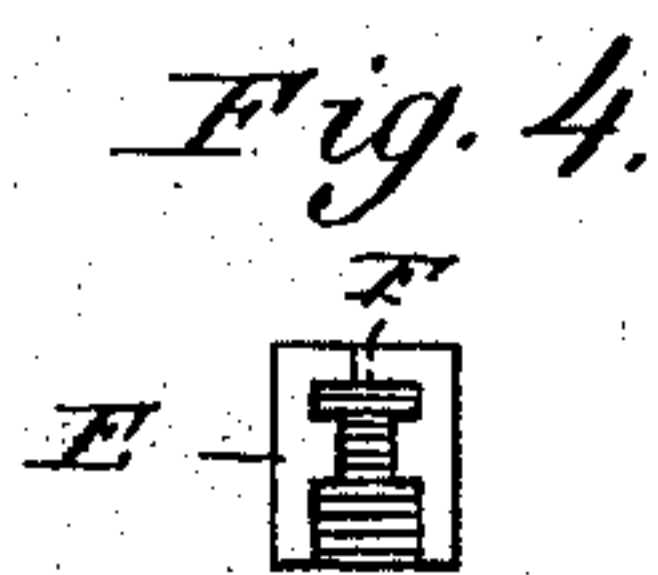
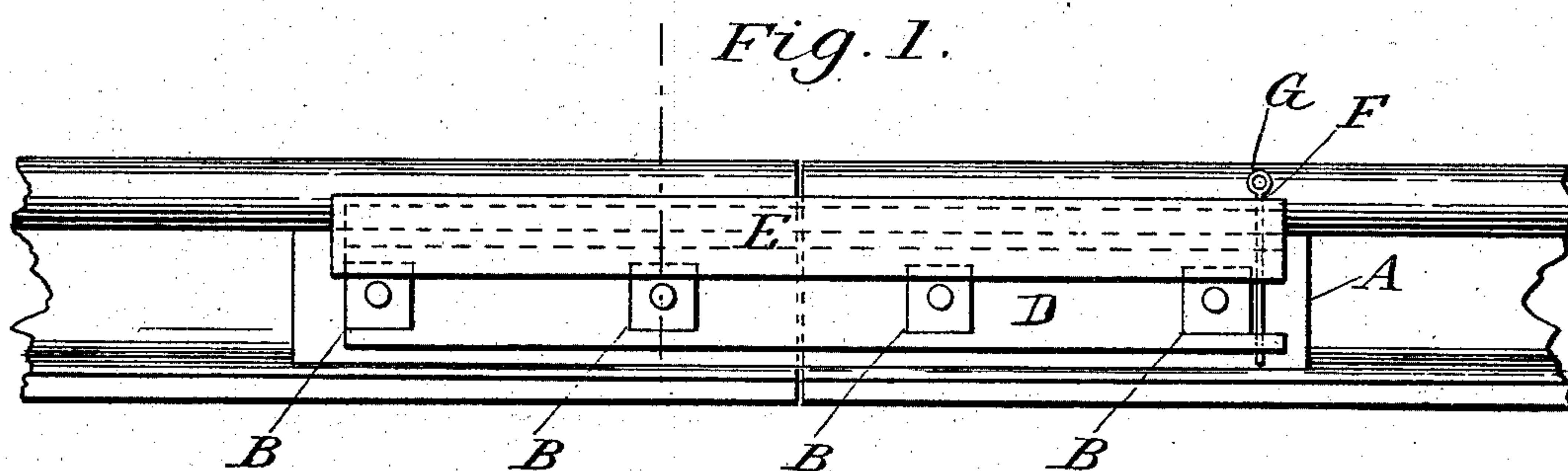
(Model.)

W. M. GRISHAM.

NUT LOCK.

No. 249,341.

Patented Nov. 8, 1881.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

WILEY M. GRISHAM, OF OXVILLE, ILLINOIS.

## NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 249,341, dated November 8, 1881.

Application filed August 3, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, WILEY MASON GRISHAM, a citizen of the United States, residing in Oxville precinct, in the county of Scott and State of Illinois, have invented a new and useful Improvement in Nut-Locks, of which the following is a specification.

The object of my said invention is to provide a means for securely fastening together the rails used on railroads which shall be used in connection with the fish-plates. Said invention is intended to prevent the nuts on the bolts that extend through fish-plates from turning around, and thus becoming loose and falling off. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved nut-lock as applied to use; Fig. 2, an end view of the same; Fig. 3, a cross-section on line with one of the bolts; Fig. 4, an end view of the removable longitudinally-adjustable cap, and Fig. 5 a side elevation of the longitudinally-grooved and apertured plate which is to prevent the nuts from turning.

My invention consists of a plate having suitable rectangular openings adapted for receiving the nuts of the bolts by which two rails are secured between a pair of fish-plates, and a flanged cap having a longitudinal T-shaped recess, which is adapted to be passed endwise upon the upper edge of the said plate, so that the flanges of the cap will inclose the nuts on the inner and outer sides thereof, and by means of a key which holds said parts together prevent the said plate from falling out of position, as hereinafter more particularly specified.

D is a plate having rectangular or other suit-

able openings, B, which are adapted to receive the nuts of the bolts by which the fish-plates A are secured to the sides of two endwise-connected rails. The upper edge of this plate D is constructed with a longitudinal groove on opposite sides thereof, so that a flanged cap, E, of equal length with the said plate, and having a T-shaped recess extending from one end almost to the other, shall be secured upon said edge by being passed thereon endwise. The flanges of this cap are designed to extend downward sufficiently to inclose the upper portion of the nuts on the inner and outer sides thereof, and by means of the nuts to hold the plate D in position. To accomplish this object the unthreaded portion of the bolts should extend sufficiently through the fish-plate to allow a space for the inner flange of the said cap, and after the cap is placed in position a pin, G, is inserted into a vertical perforation, F, which is made through the cap E and plate D at the open end of the cap.

Having thus described my invention, I claim—

In a nut-lock, the combination of the plate D, having openings B for receiving the nuts, and having a longitudinal groove on opposite sides near its upper edge, the cap E, of equal length therewith, and having a T-shaped recess extending from one end almost to the other, and the vertical pin G, passing through said cap and plate, substantially as shown and described.

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