

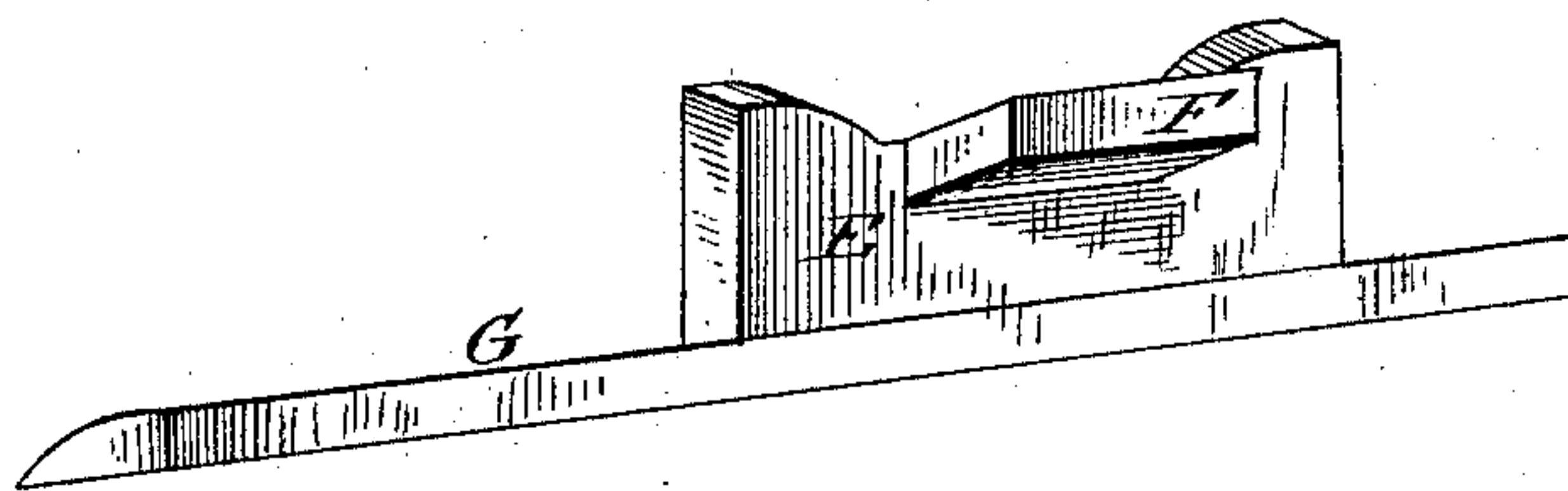
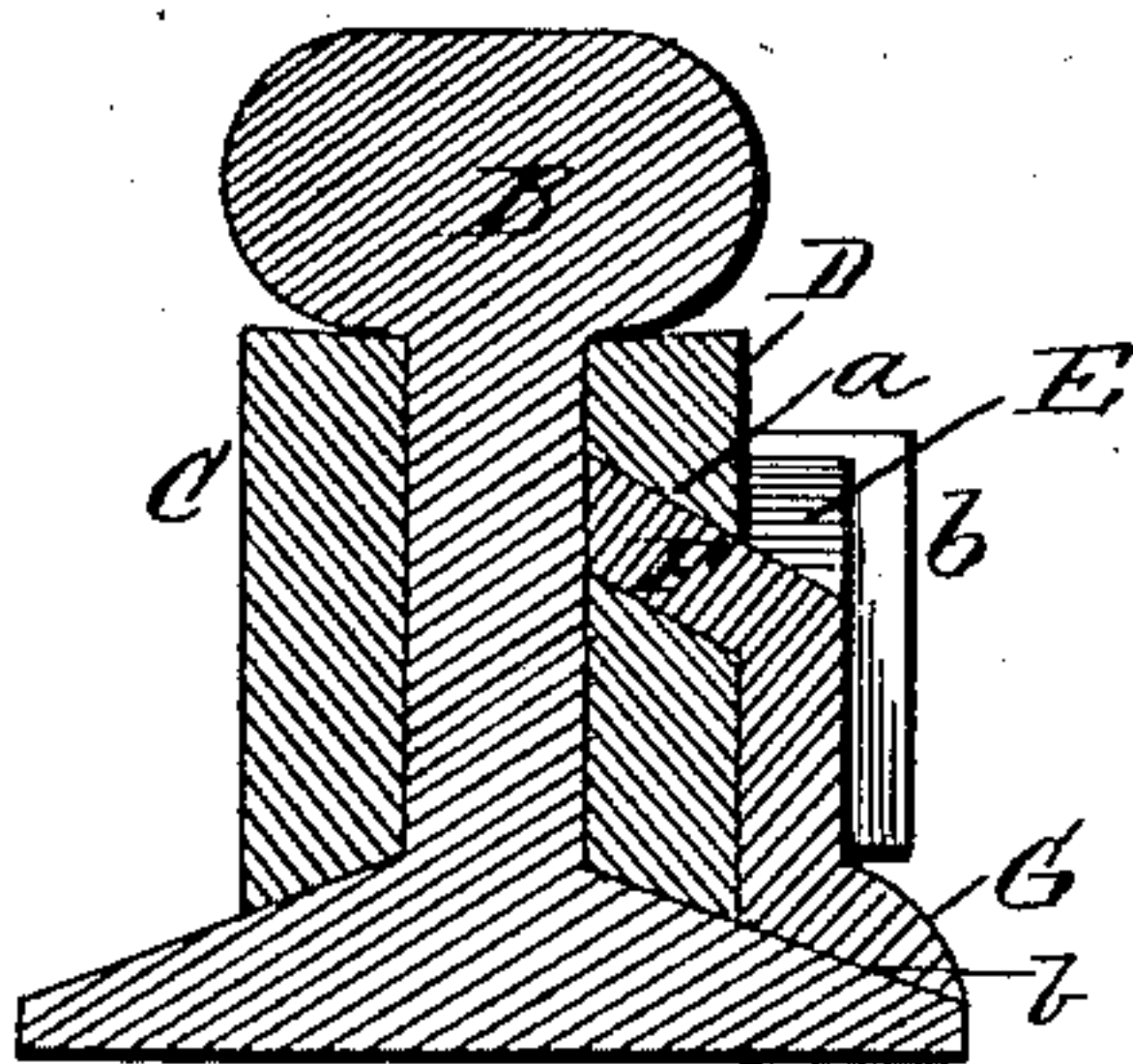
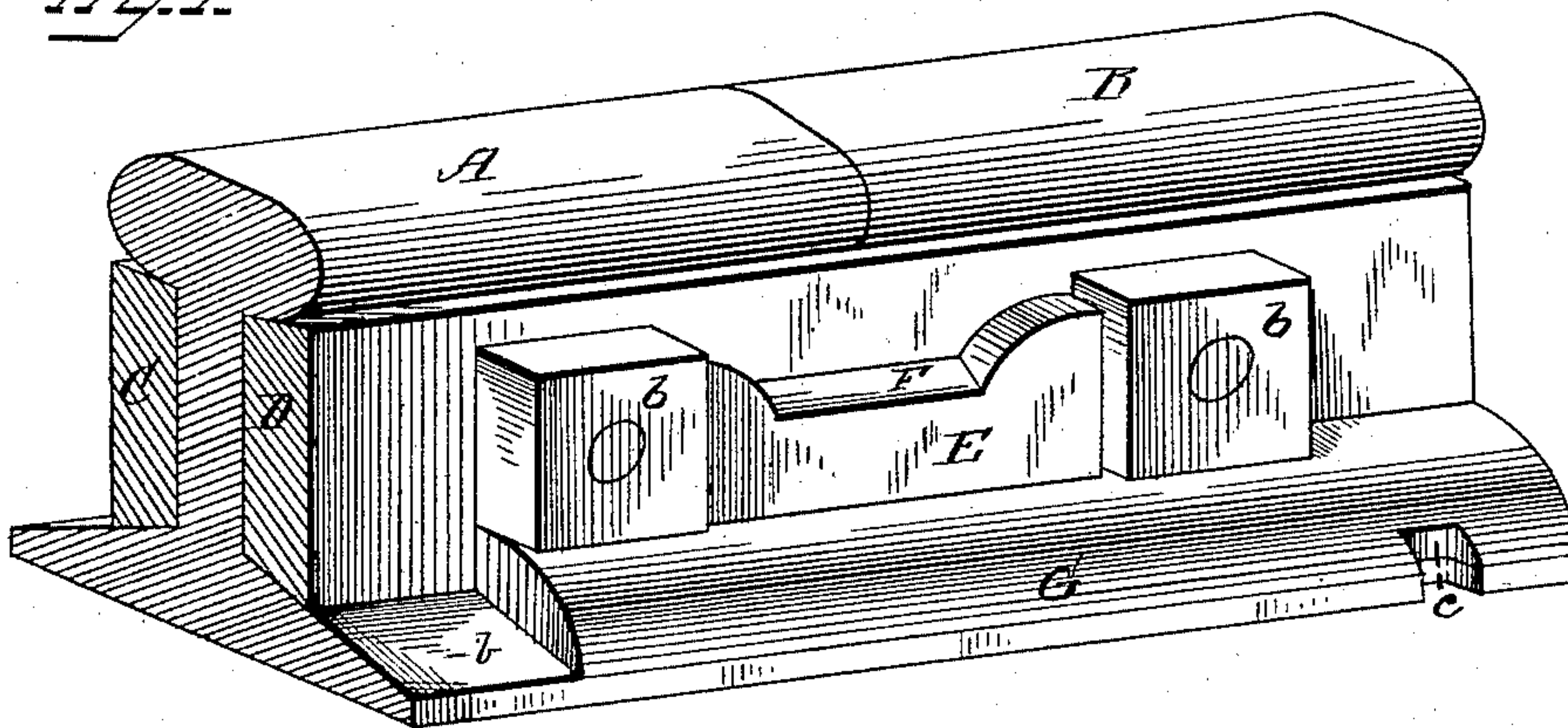
(No Model.)

P. HERBERT.

NUT LOCK.

No. 314,575.

Patented Mar. 31, 1885.



WITNESSES

F. L. Orin and
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per Chas. H. Fowler

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UNITED STATES PATENT OFFICE.

PETER HEBERT, OF BURR OAK, KANSAS, ASSIGNOR OF ONE-HALF TO B. F. ROYER, OF SAME PLACE.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 314,575, dated March 31, 1885.

Application filed February 11, 1884. (No model.)

To all whom it may concern:

Be it known that I, PETER HEBERT, a citizen of the United States, residing at Burr Oak, in the county of Jewell and State of Kansas, have invented certain new and useful Improvements in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of my invention. Fig. 2 is a central transverse section, and Fig. 3 a detail view in perspective, of the locking-plate.

The present invention has relation to certain new and useful improvements in nut-locks for railroad-rails; and it consists in the details of construction, substantially as shown in the drawings, and hereinafter described and claimed.

In the accompanying drawings, A B represent two sections of rail, and C D the fish-plates, of the usual construction, with the exception that the plate D has an upwardly-inclined slot, *a*, extending through it and of sufficient length and breadth to receive a block, F, extending upwardly at an acute angle from the inner side of a locking-plate, E, said plate being cast with a base, G. After the nuts *b* have been screwed up tightly against the fish-plate D, the plate E is placed between the nuts and the base G, coming under the lower edge thereof, as shown in Fig. 1. The block F, being on an incline, and also the slot *a* correspondingly inclined, as the block is pressed farther into the slot the base G will be drawn upward against the nuts, and in this position the base is firmly fastened to the lower portion of the rail by a suitable spike driven into the sleepers or cross-ties through the notches *c*. By the employment of the upwardly-inclined block F, in connection with the correspondingly inclined slot *a* in the fish-plate D, the inner edge of the base G will act as a wedge as it is drawn up against the under side of the nuts, so that should the spike work loose by the jar of the rails the base G will still remain firm.

It will be noticed that on driving the plate E to place, with its upwardly-inclined block or flange F in the correspondingly inclined slot *a* of the plate D, with the base G of the plate E resting on the inclined foot *b* of the rail, the tendency of the same will be to force the fish-plate close up under the head of the rail, thus serving as a brace for said fish-plate, thereby strengthening the junction of the rails. This is an important feature, as it serves in a measure to overcome the difficulty of having the rails become depressed at their points of junction. Another advantage of providing the plate E with the upwardly-inclined flange F is, that it affords a retaining point for the upper edge of the plate, and, in combination with the slotted plate D, serves as a means for securely locking the two plates together.

As ordinarily constructed it is common to have the vertical side of a nut-lock plate fit between the nuts, and to have its base come between the foot of the rail and said nuts, and such I do not claim, as the fish and nut plates are not held together, and in no instance does the nut-plate serve to force the fish-plate close up under the head of the rail, thereby strengthening the junction of the rails.

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

In a nut-lock, the combination, with a fish-plate having an upwardly-inclined slot, of a locking-plate located between the nuts, and provided with an upwardly-inclined block engaging with the slot, and having a base which is drawn up against the under side of the nuts by the inclined slot and block, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

PETER HEBERT.

Witnesses:

RIDLEY DEANS,
B. F. ROYER.