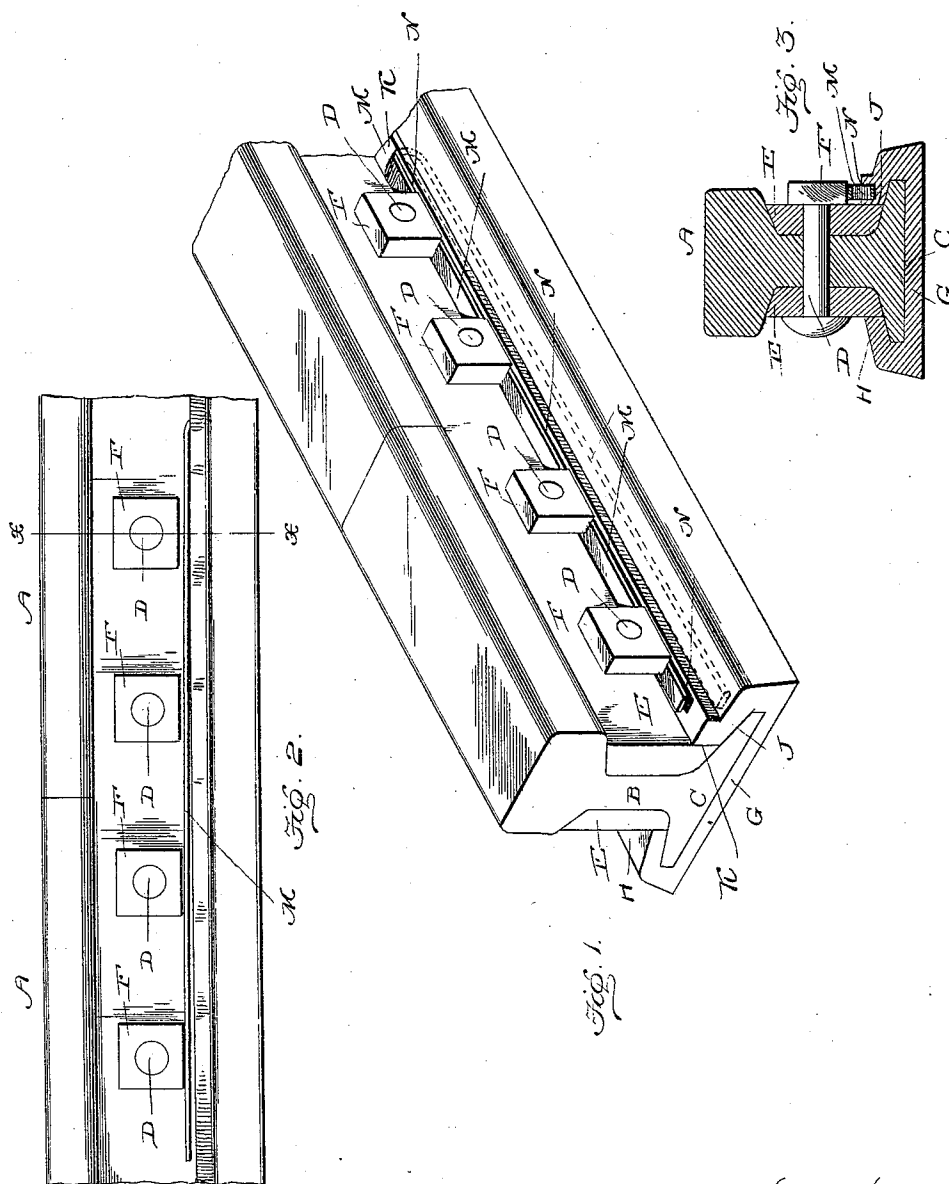


(No Model.)

E. MILLER, Jr.  
RAIL CHAIR AND NUT LOCK.

No. 543,998.

Patented Aug. 6, 1895.



Witnesses

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# UNITED STATES PATENT OFFICE.

EDWARD MILLER, JR., OF EVANSVILLE, INDIANA.

## RAIL-CHAIR AND NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 543,898, dated August 6, 1895.

Application filed April 16, 1894. Serial No. 507,754. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD MILLER, JR., a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented certain new and useful Improvements in Rail-Chairs and Nut-Locks; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improved combined chair and nut-lock; and the object of my invention is the provision of a means of simple, durable, and inexpensive construction which will serve the two functions of a rail-chair and nut-lock in a perfect manner, and which will be easy of application and detachment when desired, and which will prove entirely practical and useful.

The invention consists of a combined chair and nut-lock embodying novel features of construction and adaptation of parts for service, as will appear from the following description and accompanying drawings.

Figure 1 represents a perspective view of my invention. Figs. 2 and 3 represent side views of my improved nut-lock.

In the drawings, A designates the tread of a rail; B, the web; C, the foot or base; E, the usual fish-plates, one on each side of the web; D, the securing-bolts, and F the nuts thereon.

My improved combined chair and nut-lock comprises a casing or shell consisting of the

base or support G and overlapping portions H, which lie over the foot of the rail and have the smooth or flat inner edge J, which bears closely against the fish-plates, and one of the overlapping edges or portions is provided with a rib K, arranged horizontally. In this rib K is the groove or channel N, in which fits the flat spring M, which acts against the under face of the nuts and holds them from turning.

In use it will be seen that the ends of the rails are secured in the usual manner, and it is simply necessary to slip my casing over the joint and it assumes the position shown in Fig. 1, except that the spring is yet to be applied. This is very readily understood, and it is simply put in position by placing one portion of it in the groove or channel and then bearing the other portion downward until it is below the edge of the nuts, when it is allowed to be pressed upward against the edge of the nuts, thereby forming a nut-lock which is simple, durable, and inexpensive as well as useful and practical.

I claim—

The combination of the rail and fish plates with the chair made of a single piece of metal having the overlapping portions and one having the upward extending rib, and a spring seated in said rib and bearing against the nuts.

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

EDWARD MILLER, JR.

Witnesses:

JOHN C. MILLER,  
WILLIAM KOCH.