

G. PIETRZAK.

NUT LOCK.

APPLICATION FILED SEPT. 13, 1912.

1,066,315.

Patented July 1, 1913.

FIG-1-

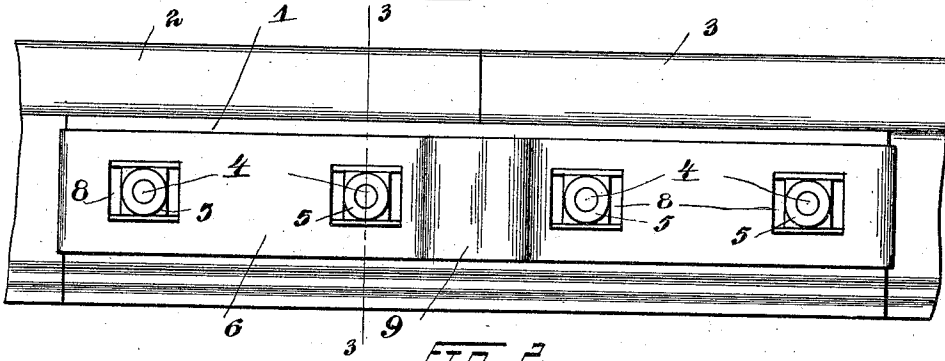


FIG-2-

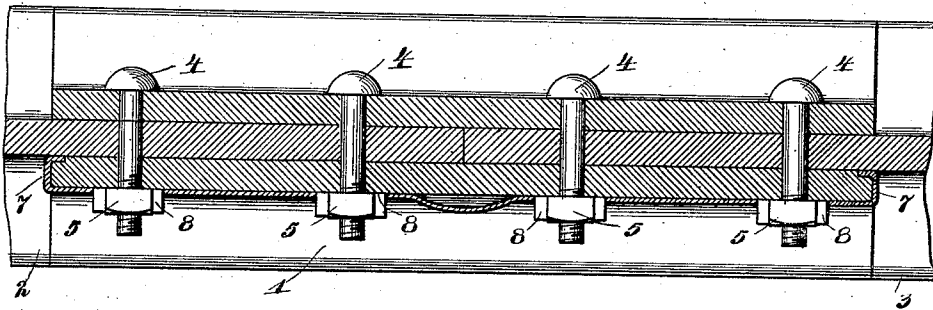


FIG-3-

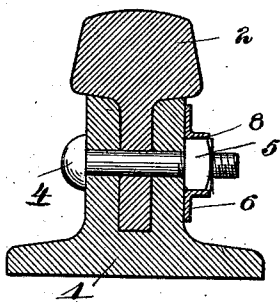
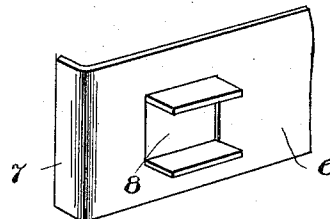


FIG-4-



Witnesses

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GEORGE PIETRZAK, OF MONTESANO, WASHINGTON.

NUT-LOCK.

1,066,315.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE PIETRZAK, a citizen of the United States, residing at Montesano, in the county of Chehalis and State of Washington, have invented new and useful Improvements in Nut-Locks, of which the following is a specification.

This invention relates to nut locks and the principal object of the invention is the provision of a simple and efficient device of this character which will lock all of the nuts upon one side of a fish plate and which is retained in position by the inherent resiliency of a portion of the same so that by springing the portion the nut lock may be readily removed for tightening or removing the nuts.

Further objects of this invention will appear as the following specific description is read in connection with the accompanying drawing which forms a part of this application, and in which:—

Figure 1 is a side elevation showing the device applied to the nuts on the rail joint. Fig. 2 is a horizontal sectional view. Fig. 3 is a transverse vertical section taken on the line 3—3 of Fig. 1. Fig. 4 is a detail perspective view of one end of the locking plate.

The invention is illustrated in connection with an ordinary joint chair 1 which joins the rails 2 and 3 together and supports the same as will be readily understood, the vertical flanges of the chair acting as fish plates and being connected together by the bolts 4 which are held in position by the nuts 5.

The nut lock comprises an elongated plate 6 of suitable metal and provided with down turned ends or flanges 7 adapted to engage the ends of the vertical flanges of the joint chair. The plate is provided with a plurality of square apertures 8 to receive the nuts 5 and has centrally formed thereon between the two middle apertures a raised loop 9. The plate is constructed of a metal having sufficient inherent resiliency in the loop 9 to draw the ends 7 against the ends of the vertical flanges and thereby hold the plate in position to lock the nuts. By applying pressure upon the loop 9 the ends are caused to be spread apart thereby permitting the removal of the plate when desired.

What is claimed is:—

A nut lock comprising a flat spring plate having its terminals bent at right angles to the normal plane of the plate and inwardly, parallel with the normal plane and having a plurality of nut receiving apertures and an outwardly bent spring loop arranged in the center of the plate, the terminals of the loop merging into the plate on diverging lines, said loop adapted to be pressed upon to cause the spreading of the terminals.

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

GEORGE PIETRZAK.

Witnesses:

ANDREW PIETRZAK,
AGNES CONNOR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."