

(No Model.)

P. F. BARR.

RAIL BRACE.

No. 346,979.

Patented Aug. 10, 1886.

Fig. 1.

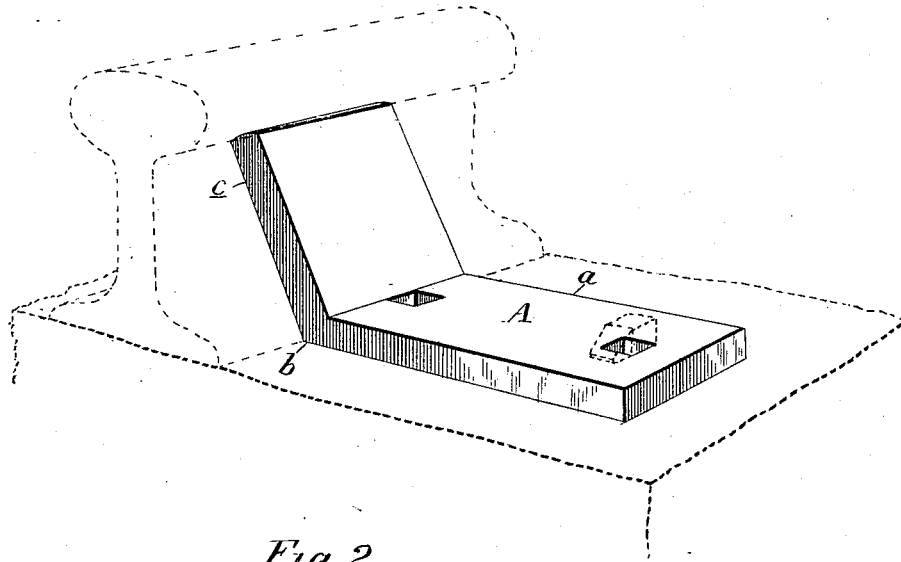
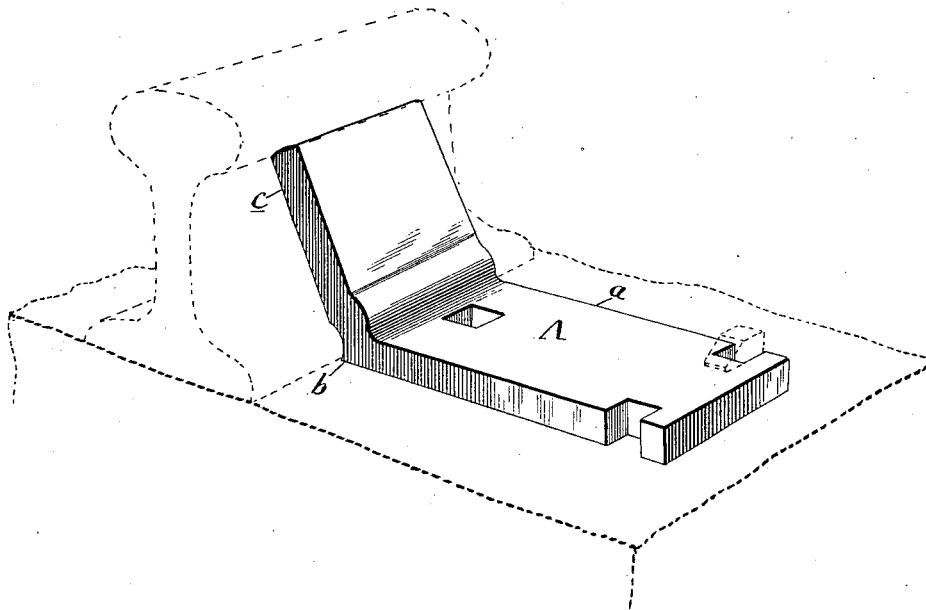


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

PINCKNEY F. BARR, OF SAN MARCIAL, TERRITORY OF NEW MEXICO.

RAIL-BRACE.

SPECIFICATION forming part of Letters Patent No. 346,979, dated August 10, 1886.

Application filed April 24, 1886. Serial No. 200,045. (No model.)

To all whom it may concern:

Be it known that I, PINCKNEY F. BARR, a citizen of the United States, residing at San Marcial, in the county of Socorro and Territory of New Mexico, have invented certain new and useful Improvements in Rail-Braces, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a perspective view of my brace, and Fig. 2 a similar view of a modified form of the same.

This improvement relates to that style of brace shown in my Patent No. 297,661; and the invention consists in the peculiar construction of the same, as hereinafter more particularly described, and then pointed out in the claims.

In my Patent No. 297,661 I describe several different styles of braces, but all of them show a perpendicular side which adds very much to the expense of making without adding materially to the utility of the brace. In my present invention I dispense with this side piece and yet make a brace that is almost, if not quite, as useful as those braces shown in my aforesaid patent.

Referring now to the drawings, A represents the brace provided with a foot, *a*, a heel, *b*, and an upwardly-inclined stay, *c*, the extreme upper part of which rests under the top of the rail while the heel presses on the top of the foot of the same. Each brace is provided with two spike-holes, as shown in Fig. 1, or with a hole and two notches, as shown in Fig. 2, which last construction will be found very useful

where the ties are of soft wood, as three spikes can then be used to hold it.

The stay *c* may either be made with a straight inclined under side, as shown in Fig. 1, or it may be provided with a notch at the heel, as shown in Fig. 2. By this construction it will be seen that the manufacture of the braces is very much simplified and the cost of the same materially reduced, inasmuch as there is not only less workmanship, but less metal is required in each brace.

What I claim as new is—

1. A rail-brace comprising in a single element a foot, *a*, and an inclined stay, *c*, bearing against the under side of the head of the rail at its upper end, said stay being bent transversely and diagonally to said foot and extending in the same longitudinal direction as said foot, forming at the bend a heel, *b*, to bear against the foot of the rail, and the foot *a* having two or more places to receive spikes at different distances from said stay, substantially as described.

2. The rail-brace herein described, provided with a foot, *a*, a heel, *b*, an inclined stay, *c*, a spike-hole near the stay, and notches on opposite side of the foot, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 14th day of April, 1886.

PINCKNEY F. BARR.

Witnesses:

JOHN D. HOLT,
J. W. ROBINS.