No. 608,324. Patented Aug. 2, 1898.

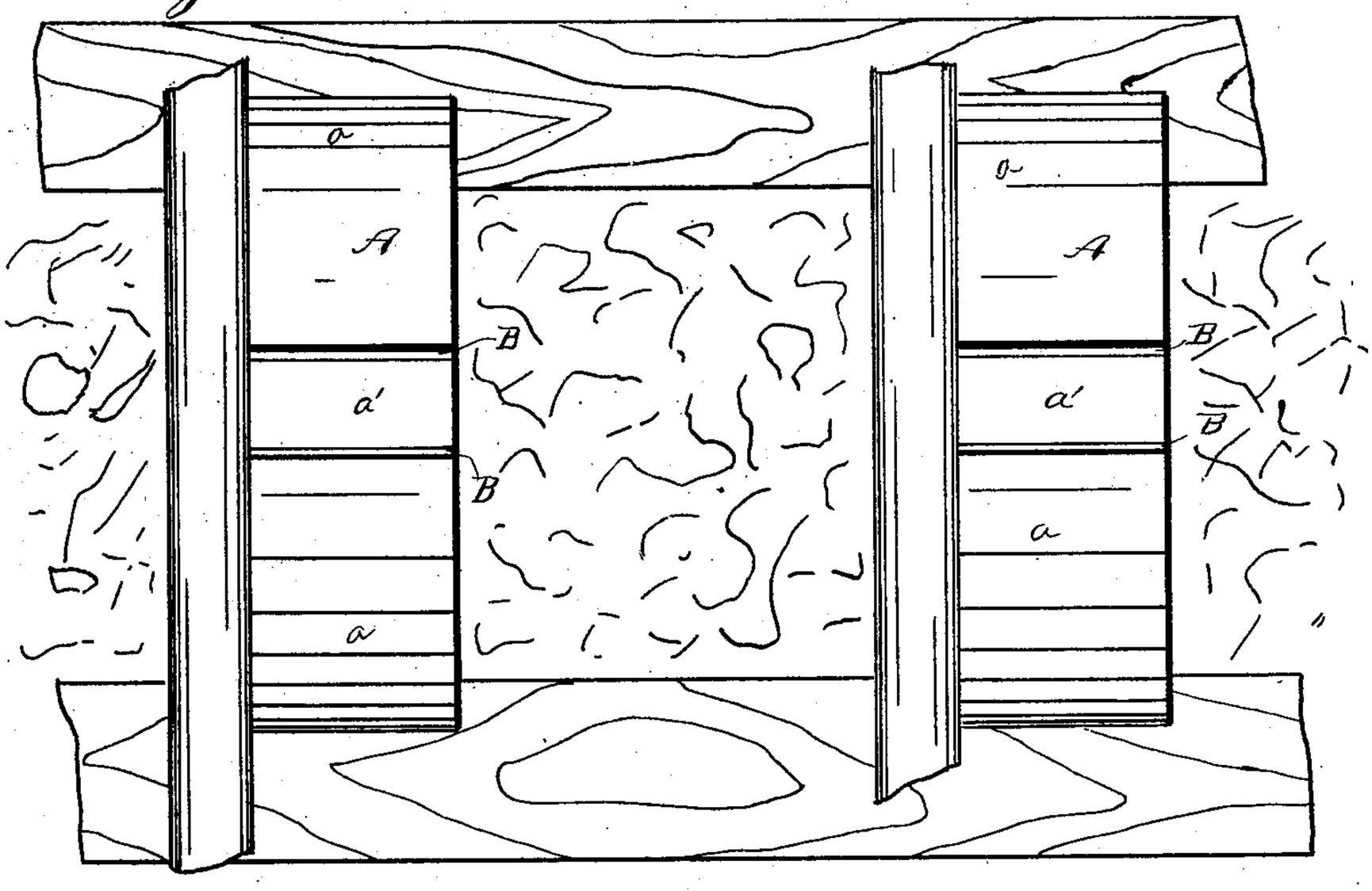
C. E. DAILEY.

CAR REPLACER.

(Application filed May 13, 1898.)

(No Model.)

Fig. 1.



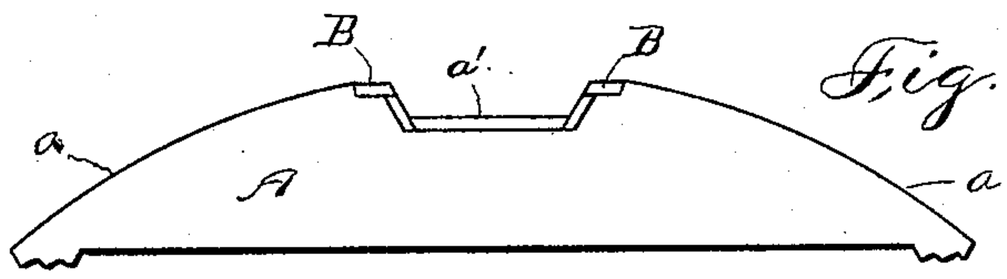
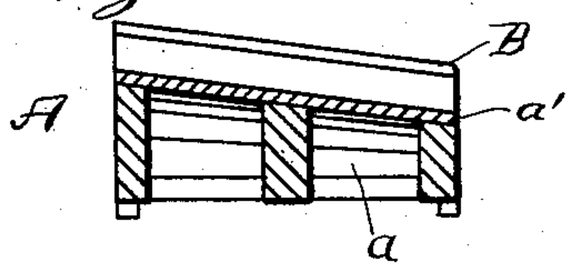


Fig. 2.

Fig. 3



WITNESSES:

Otis D. Sivett.

Oscar a Danzenbaker.

INVENTOR

Charles E. Dailey.

BY Thomas P. Simpson

ATTORNEY.

UNITED STATES PATENT OFFICE.

CHARLES E. DAILEY, OF EAST LIVERPOOL, OHIO, ASSIGNOR OF ONE-HALF TO EDGAR I. BAXTER, OF SAME PLACE.

CAR-REPLACER.

SPECIFICATION forming part of Letters Patent No. 608,324, dated August 2, 1898.

Application filed May 13, 1898. Serial No. 680,544. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. DAILEY, a citizen of the United States, residing at East Liverpool, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Car-Replacers; 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.

The invention relates generally to car-replacers, and has for its special object to construct them so that when the car-wheels are raised to the proper altitude above the track-rails they will slide down laterally upon them.

Figure 1 of the drawings is a plan view showing my replacer in its proper position with respect to the track; Fig. 2, a detail view of a replacer for one of the wheels, and Fig. 3 a vertical cross-section to show clearly the bevel.

In the drawings, A represents one of the two equal and similar pieces which constitute the car-replacer, the same being curved on its outer working face and laterally beveled. I preferably make them of cast-steel, hollow, and with a middle bridge, so as to give as little weight as possible consistent with the necessary strength. The pieces A A are arranged one on the outside and the other on the inside of a rail, while the two are parallel to each other. The bevel or incline *a* is toward the rail, while on top are arranged cross-grooves *a'*, in the opposite sides of which are the steel plates B B, whose outer faces are made as smooth as possible. When the car-wheels have rolled to the tops of the pieces A A, they drop into the cross-grooves *a'* and bear upon the smooth plates B, when the bevel *a* causes them to slide laterally down upon the rails.

The mode of operation which distinguishes my invention from all others is that the car-wheel as it moves up the curve is arrested by a cross-groove which causes it always to stop, when gravity carries it laterally down the side bevel upon the rail.

What I claim as new and of my invention is—

A curved and laterally-beveled car-replacer provided with a cross-groove which stops the wheel and allows it to be carried down by gravity upon the rail substantially as shown and described.

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

CHARLES E. DAILEY.

Witnesses:
EDGAR I. BAXTER,
JAS. N. ROSE.