

(No Model.)

G. C. GARDNER.
JOINT FOR RAILS FOR DOOR HANGERS.

No. 596,493.

Patented Jan. 4, 1898.

Fig. 1.

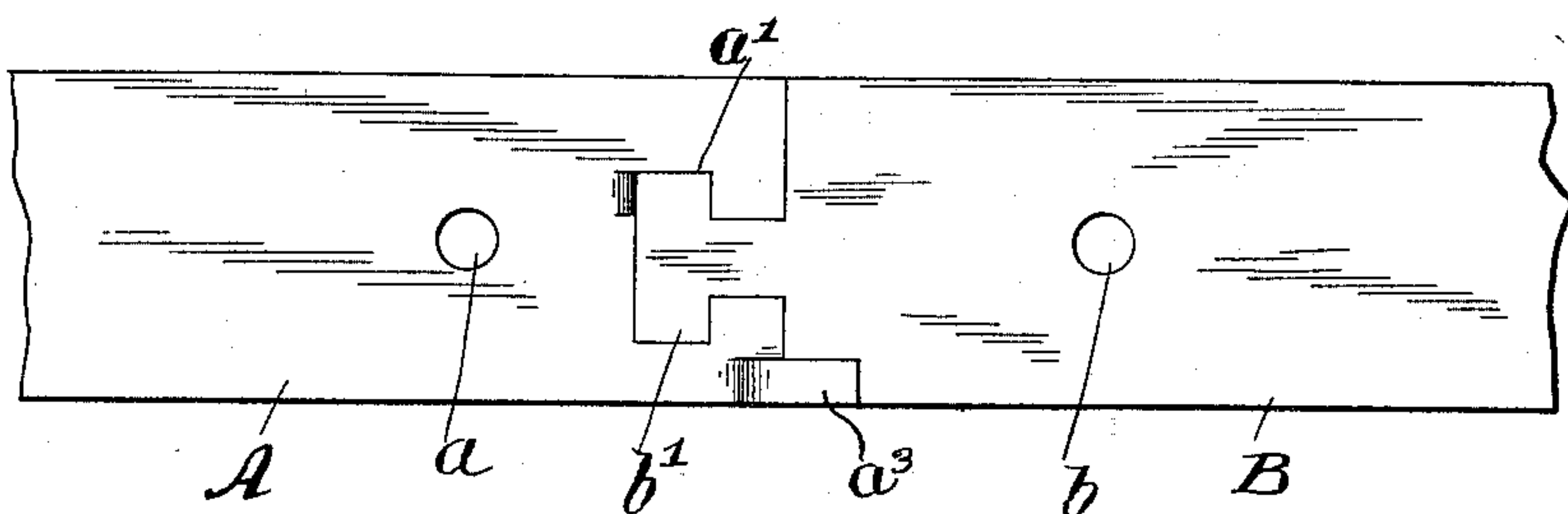


Fig. 2.

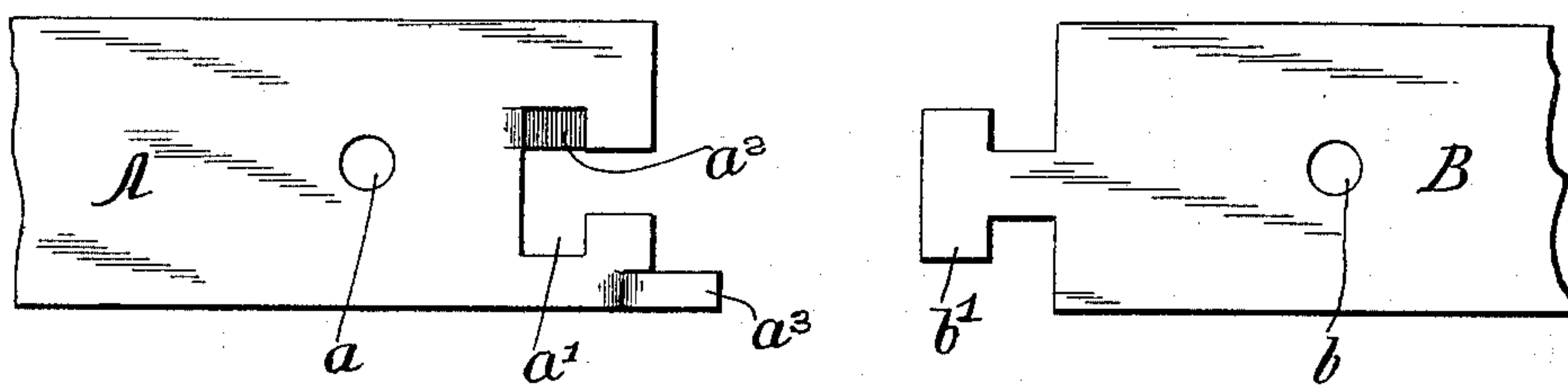


Fig. 3.

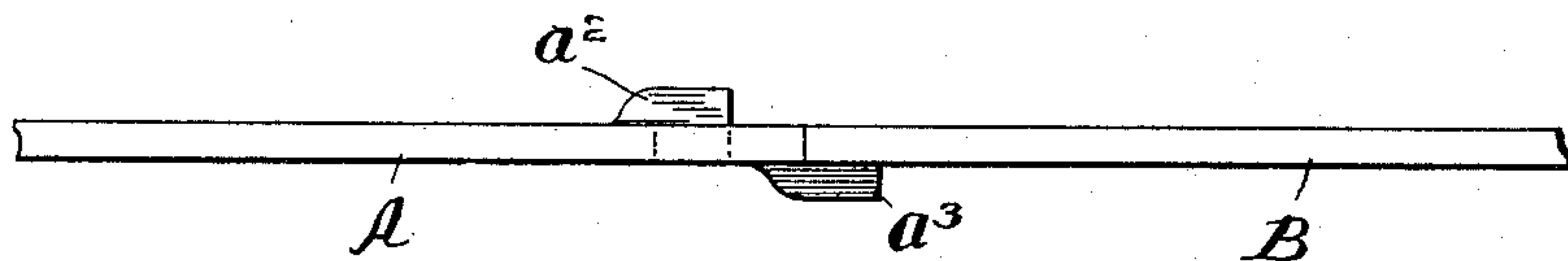
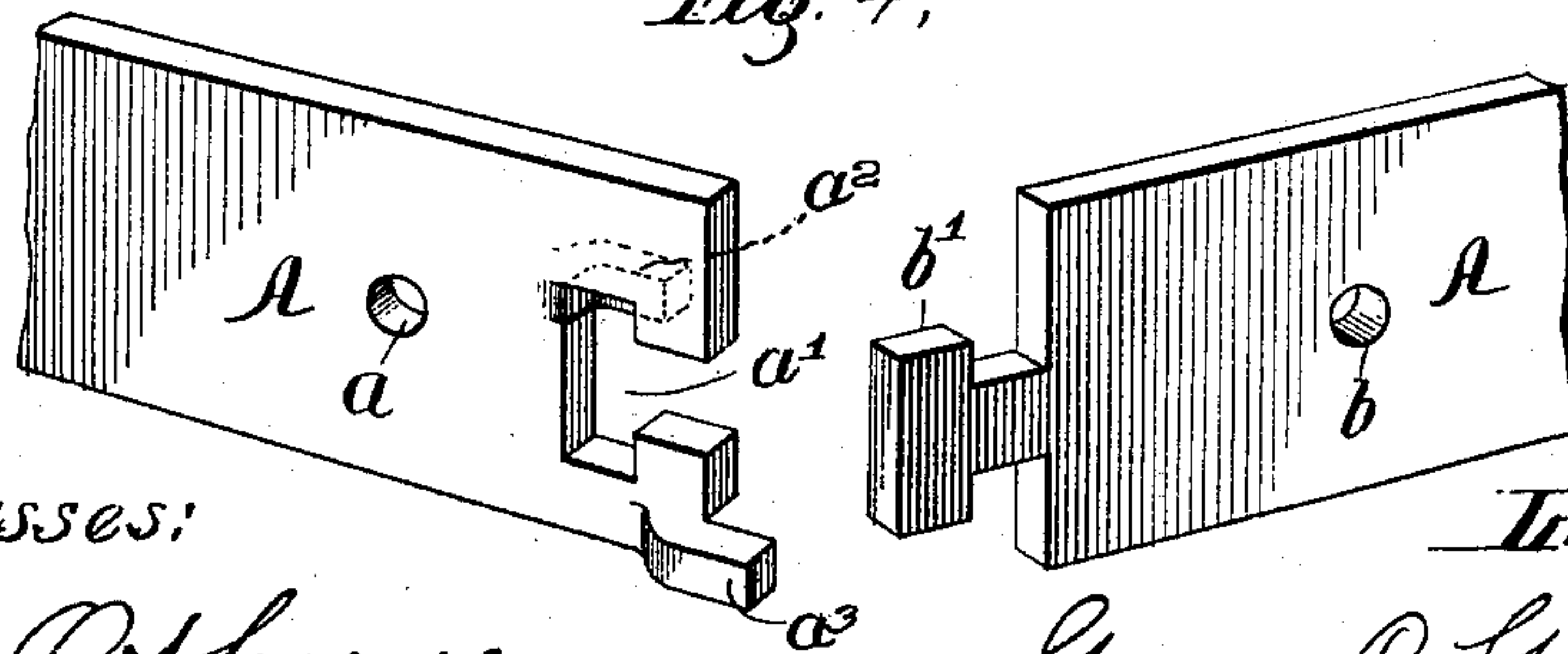


Fig. 4.



Witnesses:
Chas. O. Sherway,
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Inventor:
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by Wm. M. Bitter
His attys

UNITED STATES PATENT OFFICE.

GEORGE C. GARDNER, OF CHICAGO, ILLINOIS.

JOINT FOR RAILS FOR DOOR-HANGERS.

SPECIFICATION forming part of Letters Patent No. 596,493, dated January 4, 1898.

Application filed April 19, 1897. Serial No. 632,799. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. GARDNER, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Joints for Rails for Door-Hangers and the Like, of which the following is a specification.

My invention relates to a certain new and improved joint designed especially for use in rails for door-hangers. The purpose of the joint is to hold the rails together at their adjacent ends against separation by any longitudinal strain.

The drawings illustrate the preferred form of the invention, Figure 1 being a side elevation of the adjacent ends of two rails as they appear in position for use; Fig. 2, a similar view of said ends separated; Fig. 3, a plan view of the rails as shown in Fig. 1; Fig. 4, a perspective showing the two rails separated, but in proper position to be united.

The two rails are lettered A and B, respectively, and are provided with holes a b , by means of which they are intended to be fastened to any suitable support. The rail B has at its left-hand end a T-shaped tongue b' , and the rail A has a similarly-shaped notch a' , so that the two may fit together and form a sort of a dovetail joint. Upon the rear side of the rail A is a lug a^2 , and upon the outer side of the same rail is a lug a^3 . When the rails are united, these two lugs pre-

vent lateral movement of one with respect to the other, torsional movement being prevented by the fastening of the rails to their support. To join the rails, they are brought together, as seen in Fig. 4, in which position the tongue may be slipped into the notch and the rails brought into the same plane, as seen in Fig. 1.

I claim as new and desire to secure by Letters Patent—

1. The combination of two rails having their adjacent ends formed into a dovetail joint and provided with stops arranged to allow the joint to yield in one direction only from the plane occupied by the rails when secured in place; substantially as described.

2. The combination of two rails provided with interlocking ends adapted to be brought together at an angle, and provided with stops arranged to engage when the rails are in the same plane to prevent the joint from yielding upon the side of the plane of the rails from that on which they are put together; substantially as described.

In witness whereof I have hereunto set my hand, at Chicago, in the county of Cook and State of Illinois, this 16th day of April, A. D. 1897.

GEORGE C. GARDNER.

Witnesses:

CHAS. O. SHERVEY,
R. O. BAILEY.