(No Model.)

M. M. SUPPES.

BRACE CHAIR FOR GIRDER RAILS.

No. 489,508. Patented Jan. 10, 1893.

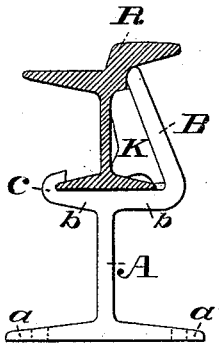

Fig. 1.

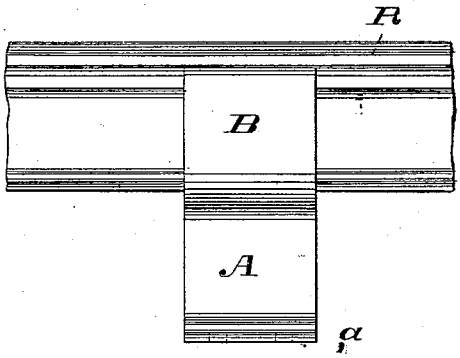

Fig. 2.

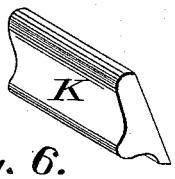

Fig. 6.

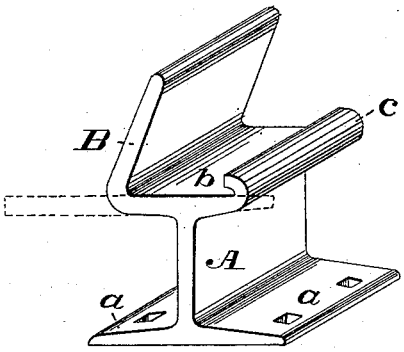

Fig. 4.

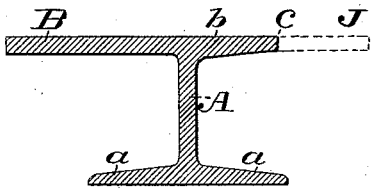

Fig. 5.

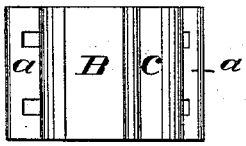

Fig. 3.

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MAX M. SUPPES, OF JOHNSTOWN, PENNSYLVANIA, ASSIGNOR TO THE JOHNSON COMPANY, OF SAME PLACE.

BRACE-CHAIR FOR GIRDER-RAILS.

SPECIFICATION forming part of Letters Patent No. 489,508, dated January 10, 1893.

Application filed February 20, 1890. Serial No. 341,173. (No model.)

To all whom it may concern:

Be it known that I, MAX M. SUPPES, of Johnstown, in the county of Cambria and State of Pennsylvania, have invented a new and useful Brace-Chair for Girder-Rails, which invention is fully set forth and illustrated in the following specification and accompanying drawings.

The object of this invention is sufficiently indicated by its title.

In the accompanying drawings, Figure 1 shows the chair in end-elevation with a rail, shown in cross-section, in place. Fig. 2, is a side-elevation of Fig. 1, looking to the left. Fig. 3 shows the chair in plan, and Fig. 4, the chair in perspective, the rail being omitted in both figures. Fig. 5 is a sectional view of the shape or blank of metal out of which the chair is made. Fig. 6 is a view in perspective of the key used to hold the rail in its seat.

In said figures the several parts are respectively indicated by letters of reference as follows:—

The letter A, indicates the vertical web of the chair; *a*, *a*, the lower flanges of the same, forming the feet of the chair; and *b*, *b*, a portion of the upper flanges of the same, forming the rail-seat.

The letter B indicates that portion of the upper flange of the blank of metal used, bent over to form a brace for the rail; and *c*, one end of said blank turned over so as to form a retaining clip for the lower flange of the rail.

K, indicates a key which holds the rail down to its seat when driven home.

The dotted lines in Fig. 4 show the shape of the upper portion of the piece of metal, before the same is bent to form a side brace and retaining clip as herein described.

It will be observed that the even-sided girder of the shape such as is ordinarily in the market, can be utilized for making this chair, by shearing off the portion of the same indicated in dotted lines in Fig. 5, between the letters *c* and J, though it is evident that this waste of material could be saved by specially rolling a piece of metal to the shape shown in section in Fig. 5, for the manufacture of the chair.

Having thus fully described my said invention, I claim:—

A rail-chair constructed out of a girder shape of metal by bending one of its longitudinal side-flanges so as to form a retaining clip for the lower portion of the rail, and bending the other longitudinal side-flange so as to form an outside brace, said clip and brace being parallel to the web of the chair.

MAX M. SUPPES.

Witnesses:
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W. MCLAIN.