No. 658,098. Patented Sept. 18, 1900.

G. A. WEBER.

ANGLE CHAIR OR FITTING.

(Application filed Dec. 27, 1893.)

(No Model.)

Fig. 2.

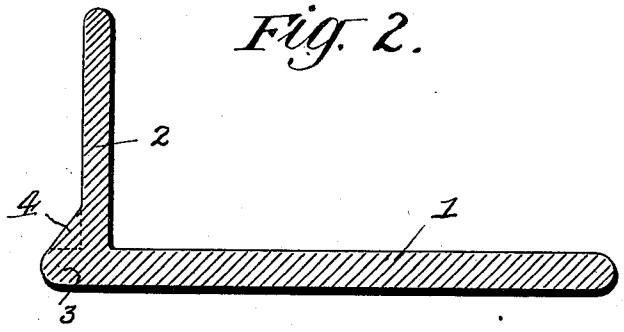
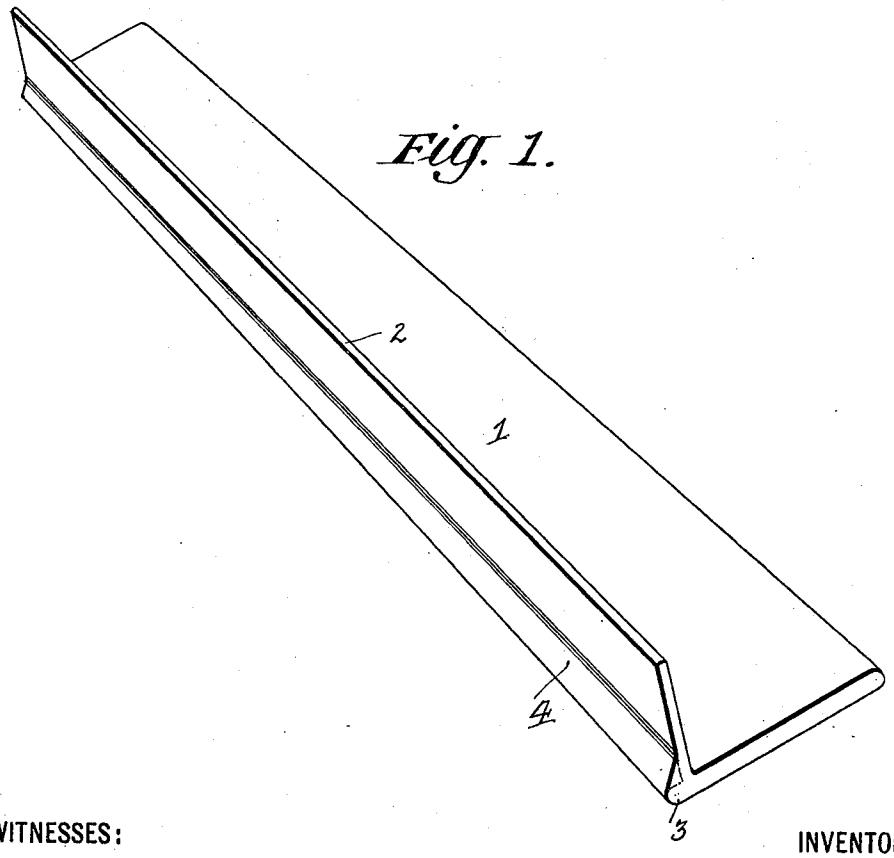


Fig. 1.



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GEORGE A. WEBER, OF STAMFORD, CONNECTICUT, ASSIGNOR TO THE WEBER RAILWAY JOINT MANUFACTURING COMPANY, OF WEST VIRGINIA.

ANGLE CHAIR OR FITTING.

SPECIFICATION forming part of Letters Patent No. 658,098, dated September 18, 1900.

Application filed December 27, 1893. Serial No. 494,822. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. WEBER, a citizen of the United States, residing at Stamford, in the county of Fairfield and State of Connecticut, have invented a new and useful Angle Chair or Fitting, of which the following is a specification.

My invention consists in a rolled angle chair or fitting comprising two parts arranged at right angles and intended for receiving some other part between them at their junction. For convenience one of the parts may be termed a "base" and the other a "flange."

A salient feature of the invention is a rib, bead, fillet, or strengthening-piece, which is oblique to both parts, or approximately so, to form a brace at their juncture, but wholly on the outside, it being of such size as to afford there all the strength necessary to prevent deflection of the parts at their junction. It may also be used as a means whereby the chair or fitting can be secured in place.

I will describe an angle chair or fitting embodying my invention and then point out the novel features in claims.

In the accompanying drawings, Figure 1 is a perspective view of an angle chair or fitting embodying my invention. Fig. 2 is a cross-sectional view thereof.

Similar letters of reference designate corresponding parts in both of the figures.

Heretofore in the manufacture of rolled angle-chairs for railroad-rails and similar articles great difficulty has been experienced in securing an angle that is sufficiently strong at the meeting-line of the parts to withstand great strains put upon the angle. It has been the universal experience with angles to have them crack or break at the meeting-line of the parts, and especially when the angles are used in forming rail-joints. To obviate this difficulty, I have provided a strengthening rib, bead, or fillet at the meeting-line of the parts of the angle. This rib is formed or provided at this point during the formation of the angle, and the process employed for forming the angle is that of rolling. The angle, with its strengthening-rib, is produced in rolls having passes modified so that sufficient metal can be preserved at the meeting-line of the parts out of which the strengthening rib or piece may be formed.

Referring now to the drawings, 1 represents the base of the angle-chair, and 2 a flange extending upwardly from the base adjacent one edge thereof, but so as to leave a portion 3 projecting beyond it.

4 represents the integral strengthening rib, bead, or fillet which is formed at the meeting line of the parts of the base and flange. The portion 4 is oblique to both parts and also forms a continuation of the outside face of the flange or part 2 and the adjacent edge of the base or part 1 or the part 3. It is intended to have it of such proportions as to afford all the strength necessary to prevent deflection of the parts 1 and 2 at their junction.

What I claim as my invention is—

1. A rolled angle or rail chair comprising a base, a flange extending upwardly from said base adjacent one edge thereof, and a strengthening-rib formed at the meeting-line of said base and flange, said rib being oblique to both parts and forming a continuation of the outside face of the flange to the edge of the adjacent end of said base.

2. A rolled angle comprising the following integral parts, a base, a flange projecting upwardly therefrom adjacent one edge so as to leave a projecting portion of the base, and a strengthening-piece oblique to both parts forming a brace for the upwardly-extending flange and integral with the outside face of the flange and the projecting portion.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEO. A. WEBER.

Witnesses:
ANTHONY GREF,
H. COUTANT.