(No Model.)

G. E. HURLEY.

BRACE FOR CHAIRS.

No. 352,755. Patented Nov. 16, 1886.

Fig. 1.

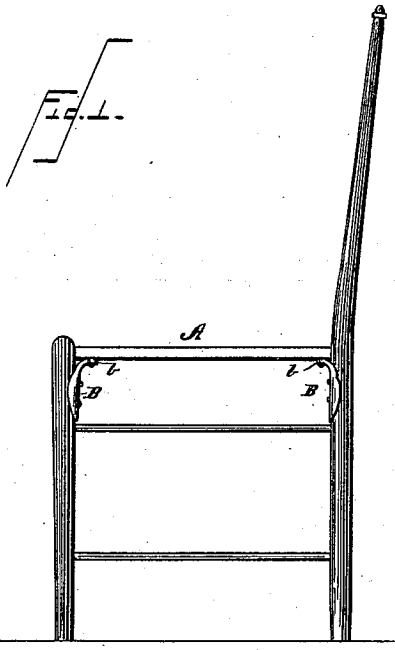


Fig. 2.

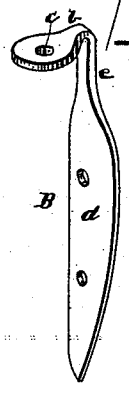


Fig. 3.

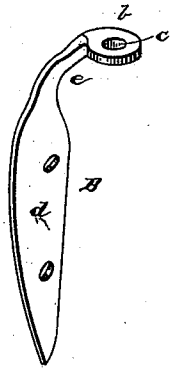
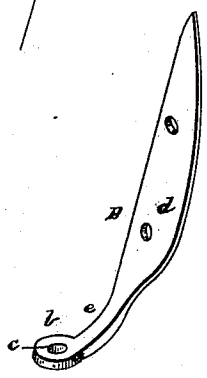


Fig. 4.



Witnesses

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Inventor

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By his Attorneys

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UNITED STATES PATENT OFFICE.

GEORGE E. HURLEY, OF NASHVILLE, MISSOURI, ASSIGNOR OF ONE-HALF TO JOHN DYER, OF SAME PLACE.

BRACE FOR CHAIRS.

SPECIFICATION forming part of Letters Patent No. 352,755, dated November 16, 1886.

Application filed October 22, 1885. Serial No. 180,644. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. HURLEY, a citizen of the United States of America, residing at Nashville, in the county of Barton and State of Missouri, have invented certain new and useful Improvements in Braces for Chairs; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in chair-braces; and it consists of the peculiar construction and adaptation of the same, substantially as hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a side view of a chair, showing my improvement attached to the same; and Figs. 2, 3, and 4 are detail perspective views of the brace-iron detached.

A represents a chair of ordinary construction, the legs, back, and seat being attached to each other in the usual manner.

B represents my improved brace-iron, which is made of a single piece, one end, *b*, being bent at substantially right angles, and provided with a perforation, *c*, through which passes a screw for attaching the same to the seat of the chair. The end *b* is connected to the portion *d*, which is flattened and curved in cross-section by the reduced portion *e*, which may be bent so as to be either at right angles with the end *b*, as shown in Fig. 2, or at an angle of forty-five degrees, as shown in Figs. 3 and 4.

The brace herein described may be attached to the legs, back, and seat of the chair, and when secured thereto will hold the parts firmly together.

The perforations *c* and *c' c'*, through which screws pass for attaching the brace to the legs or back and seat, may be countersunk so that the head of the screws will be flush with the surface of the brace, and, if desired, the flat portion *d* of the brace may be reduced at its edges, so as to fit snugly against the rounded surface of the leg or back supports.

It will be readily understood that by making the brace of malleable metal it can be readily bent or curved to conform to the adjacent faces of the chair seat and legs. The reduced portion enables the brace to readily bend where the greatest bend is necessary.

I am aware that the legs of a table and of a chair have been braced heretofore by various forms of brace and angle irons, which are affixed to the said devices at the suitable proper points by screws and other fastenings, and hence I confine myself to the particular construction and arrangement of parts composing my invention.

I attach especial importance to the brace made in a single piece of malleable metal, and consisting of the perforated shank, which can be very easily and readily bent by hand to conform very closely to the shape of the chair-leg and bear very snugly and firmly against the same, and to the flattened end *b*, arranged substantially at right angles to the shank and connected therewith by a reduced portion or neck, *e*, by means of which the shank and end *b* can be more conveniently and easily bent. The end *b* bears very firmly against the under side of the chair-bottom, to which it is rigidly affixed, and the chair is very materially strengthened and braced at the points where the device is applied.

The brace is very simple and strong in construction, can be manufactured and sold for a trifling sum, and is easily and readily applied by an unskilled person.

I do not claim, broadly, the use of malleable metal in the manufacture of chair-braces. I have, however, limited myself to the precise form of brace shown and described, as it provides a lower enlarged portion, *d*, which is perforated and curved to secure a proper bearing against the side of the chair-leg, while the reduced portion *e* forms the proper brace without furnishing any objectionable projecting portions. Moreover, the configuration of the brace enables it to be readily struck up from malleable metal, after which it can be bent to the required shape.

I claim—

As a new article of manufacture, a chair-brace made of a single piece of malleable metal, and consisting, essentially, of a flattened end provided with a transverse perforation for the passage of screws to secure it to the chair-bottom, a perforated shank arranged substantially at right angles to the flattened end, and adapted to be bent or curved to conform with the shape of the leg of the chair and fit the same very snugly, and a reduced or tapered portion or neck, *e*, connecting the flattened end and the shank, substantially as described.

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

GEORGE E. HURLEY.

Witnesses:
JOHN DYER,
STEPHEN D. CROUCH.