

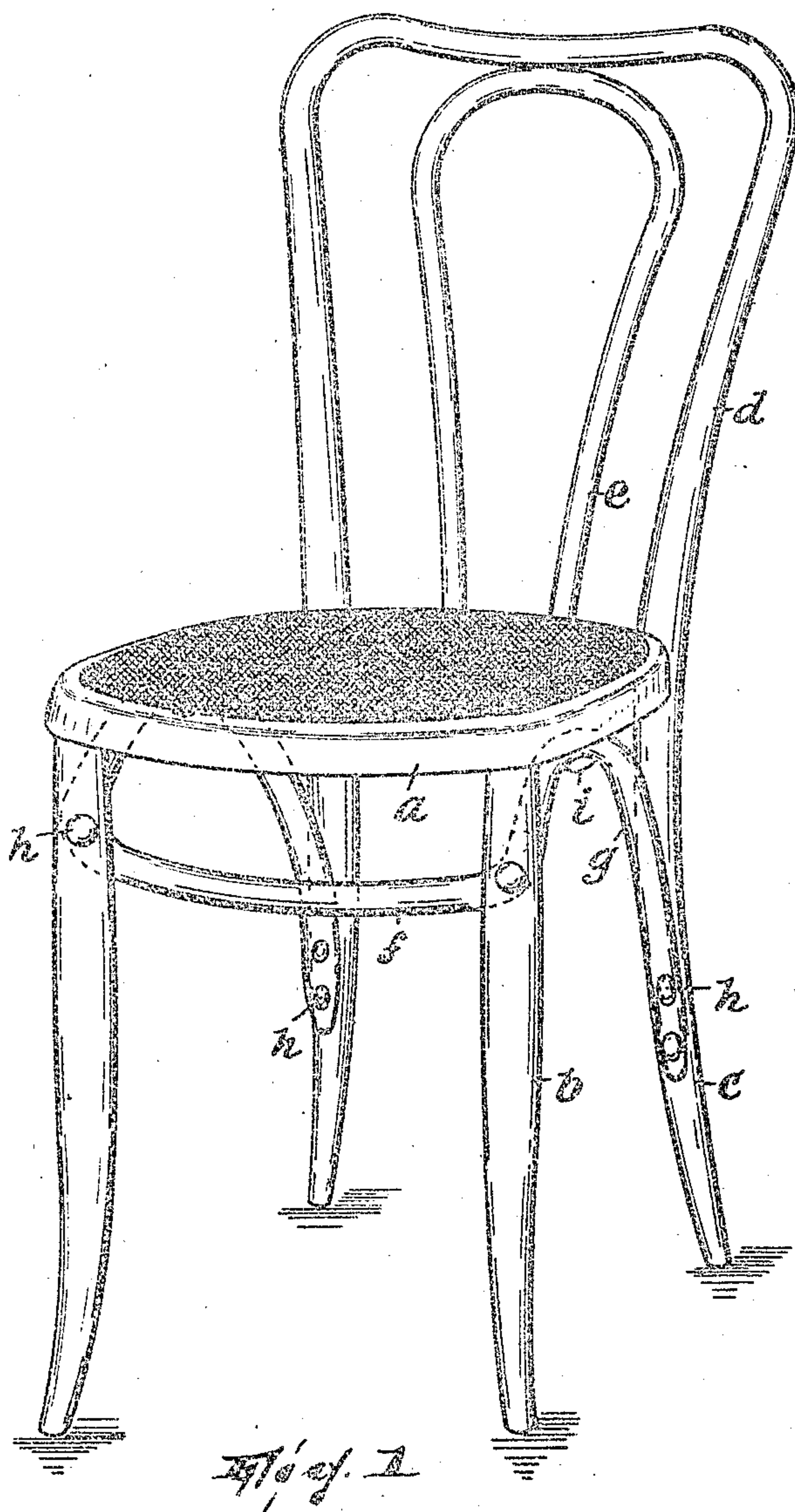
No. 819,478.

PATENTED MAY 1, 1906.

A. WANNER, JR.  
BENT WOOD CHAIR.

APPLICATION FILED OCT. 5, 1905.

2 SHEETS—SHEET 1.



WITNESSES:

*Wm. D. Bell.*  
*Adeline Blatch.*

INVENTOR,

*Albert Wanner, Jr.*

BY

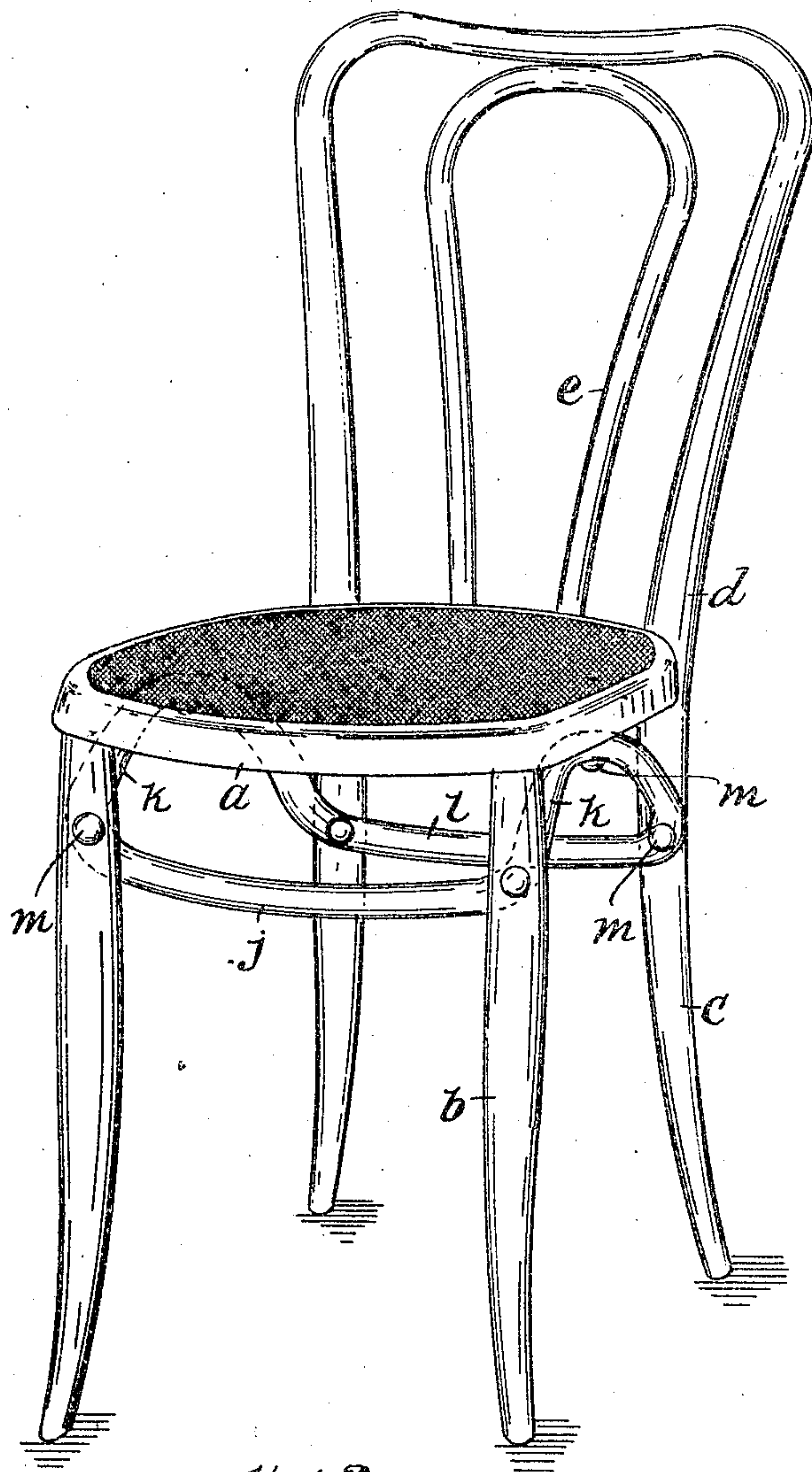
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2 SHEETS—SHEET 2



*Fig. 2.*

WITNESSES:

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# UNITED STATES PATENT OFFICE.

ALBERT WANNER, JR., OF HOBOKEN, NEW JERSEY.

## BENT-WOOD CHAIR.

No. 819,478

Specification of Letters Patent.

Patented May 1, 1906.

Application filed October 5, 1905. Serial No. 281,410.

*To all whom it may concern:*

Be it known that I, ALBERT WANNER, JR., a citizen of the United States, residing in Hoboken, Hudson county, New Jersey, have invented certain new and useful Improvements in Bent-Wood Chairs and the Like; 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 of reference marked thereon, which form a part of this specification.

My invention is an improvement in bent-wood chairs and the like; and it has for its object to substitute for the ordinary circular or ring brace whereby the legs are tied together a brace which may be employed not only to secure the legs to each other, but also to the seat, whereby greater rigidity and strength in the entire chair structure will result.

In carrying out my invention a bent-wood brace is employed which, while being secured to the seat in arched portions between the front and back legs, is also secured to the legs at points below the seat, so that not only are the legs firmly braced and bound together, but to the seat, and the rigidity of the parts greatly enhanced.

In the accompanying drawings I have shown two forms of my invention in two distinct perspective views.

In the drawings, Figure 1, it is the seat of the chair, *b* its front legs, and *c* its back legs, the latter being the lower ends of a single bent-wood piece *d*, which above the chair-seat *a* forms, with another bent-wood piece *e*, the back of the chair. These parts are constructed and arranged substantially the same as in all chairs of this type. The brace consists of a single bent-wood piece whose intermediate middle portion *f* is straight, or substantially so, while its end portions *g* project substantially at right angles therefrom and extend first upwardly and then downwardly, following a curve or arch. This brace is preferably secured with the portion *f* at the front of the chair. It is secured to the legs by bolts, screws, or the like *h*. The portion *f* is preferably about as long as the front legs are from each other, whereby the bolts or the like *h*, which secure the brace to the front legs, engage the brace at the angles

between its portions *f* and *g*. The other bolts or the like *h* between the brace and the back legs engage the brace at or near the extremities thereof. Furthermore, the brace is secured to the under side of the seat in its curved portions by bolts or the like *i*. The ends of the curved portions *g*, it will be noticed, extend considerably below the portion *f* of the brace. This increases the strength and rigidity of the chair by resisting in the most complete and practical manner that tendency to weaken in chairs of this nature which usually develops where the chair-seat is secured to the piece *d*, forming its back and back legs.

In Fig. 2 the brace has the portion *j* thereof, connecting the front legs, straight, or substantially so, the side portions *k* (each connecting a front and back leg) bent first upwardly and then downwardly in curves or arches, and the back portion *l*, connecting the back legs, also straight, or substantially so. The brace is secured by bolts or the like *m* to the legs at the angles between its front, back, and side portions and also to the seat in its arched portions.

It will be understood that while I have herein described, shown, and claimed my improvement with specific reference to a chair I regard its application in other seating appliances as within the scope of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A chair having several legs in combination with a brace consisting of a single piece of material formed with a substantially straight front intermediate portion and two upwardly-arched side portions, said brace having its front portion connecting and secured to the front legs of the chair in a plane below but relatively near the chair-seat and also having its arched portions bearing against the seat and each also against a back leg, and said arched portions being secured to the seat and legs where they engage the same, substantially as described.

2. A chair having several legs in combination with a brace consisting of a single piece of material formed with a substantially straight front intermediate portion and two upwardly-arched side portions, said brace having its front portion connecting and secured to the front legs of the chair in a

plane below but relatively near the chair-  
seat and also having its arched portions bear-  
ing against the seat and each also against a  
back leg relatively remote from the seat, and  
5 said arched portions being secured to the  
seat and legs where they engage the same,  
substantially as described.

In testimony that I claim the foregoing I  
have hereunto set my hand this 29th day of  
September, 1905.

ALBERT WANNER, JR.

Witnesses:

ALFRED GARTNER,  
JOHN W. STEWARD.