

G. Huizinger,

Chair.

No. 88,297.

Patented Mar. 30. 1869.

Fig. 1.

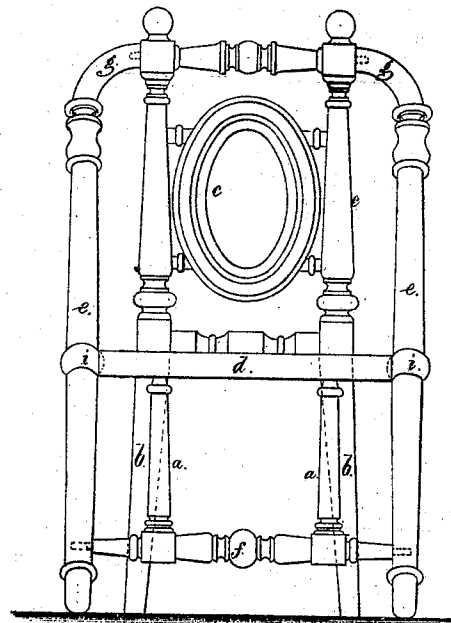


Fig. 2.

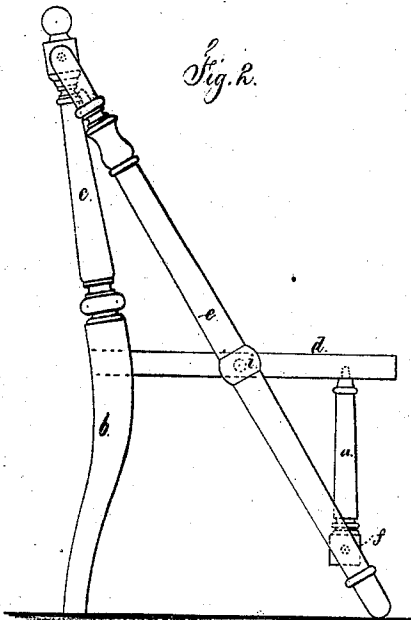
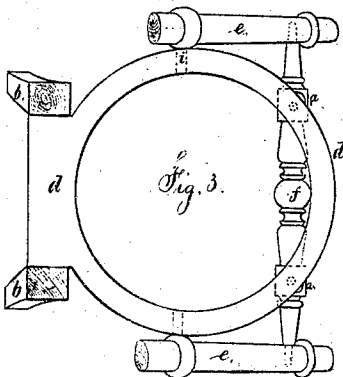


Fig. 3.



George Huizinger
per L. M. Lowell
Att'y

Witnesses,

Chas. H. Smith
Geo. A. Moulton

UNITED STATES PATENT OFFICE.

GEORGE HUNZINGER, OF NEW YORK, N. Y.

IMPROVED CHAIR.

Specification forming part of Letters Patent No. 88,297, dated March 30, 1869.

To all whom it may concern:

Be it known that I, GEORGE HUNZINGER, of the city and State of New York, have invented and made a certain new and useful Improvement in Chairs; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a front elevation of said chair. Fig. 2 is a side view of the same, and Fig. 3 a plan of the frame for the seat.

Similar marks of reference denote the same parts.

The back legs of chairs are very liable to become loosened at the point of connection with the seat. This is particularly the case with the more expensive character of chairs, where there are not any side rails between the back and front legs. This looseness arises from pressure against the back of the chair, and from tipping the chair backward upon the hind legs.

My invention is to strengthen the chair; and consists in a brace running on each side diagonally from the upper part of the chair-back to the lower part of the front legs, and connected near the middle with the side of the seat or seat-frame. By this construction the back of the chair is braced to the sides of the seat, and the front legs are similarly sustained, so that one part aids in sustaining the other under the strain to which it may be exposed.

In the drawing, *a a* are the front legs; *b b*, the back legs, extended up and forming the back *c* of the chair. *d* is the seat, attached to the back legs, and resting upon the front

legs *a*; and *e* are my diagonal braces, extending from the back *c* to the front legs *a*, and attached at *i* to the sides of the seat *d*.

The legs and braces can all be turned in a more or less ornamental form, or the parts may be plain or carved.

I prefer the turned work, as being ornamental, but not expensive.

I have shown the front legs *a* as only extending from the seat to the cross rail *f*, and that forming the connection to the braces *e*, and the lower ends of the said braces *e* themselves resting on the floor.

I prefer to employ quarter-circle connections *g g* between the braces *e* and the back *c*, and the ends of the braces and of the rail of the back should pass as dowels into these connections *g*, as shown by dotted lines.

The seat *d* can be made circular, as seen in Fig. 3, with a projection on one side passing in between the hind legs.

What I claim, and desire to secure by Letters Patent, is—

1. The braces *e*, connected permanently at their upper ends to the back, and near their middle to the seat, in combination with the front legs *a*, to which the braces *e* are permanently connected, substantially as set forth.

2. The rail *f*, in combination with the braces *e* and legs *a*, as and for the purposes specified.

In witness whereof I have hereunto set my signature this 10th day of February, A. D. 1869.

GEO. HUNZINGER.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY.