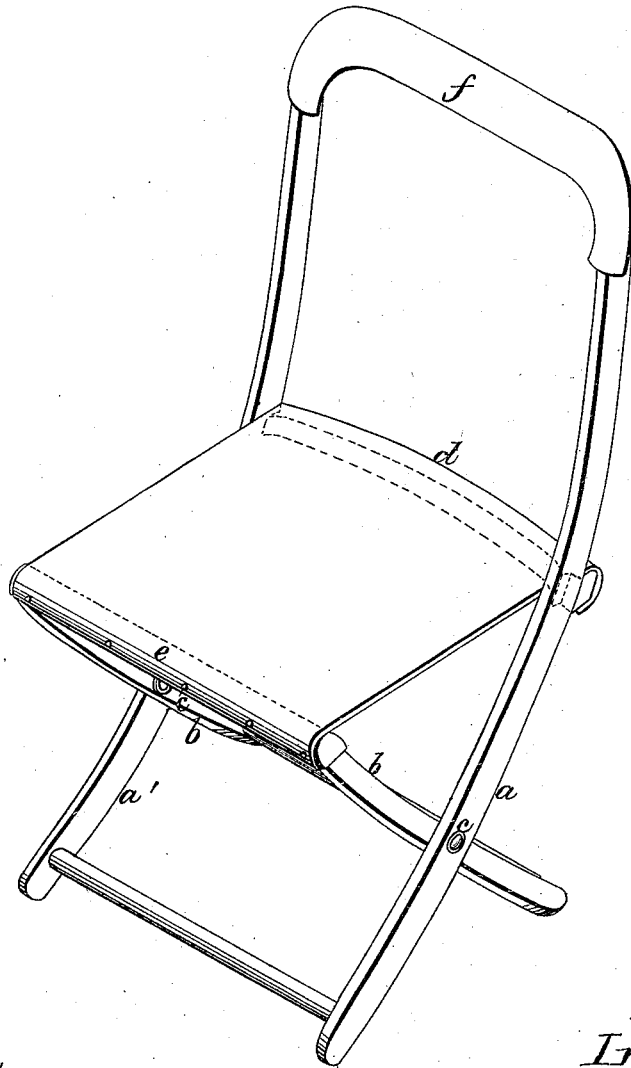


J. N. Dann,

Folding Chair.

N^o 52,488.

Patented Feb. 6, 1866.



Witnesses;
Jos. L. Coombs
C. A. Monroe

Inventor;
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Atty

UNITED STATES PATENT OFFICE.

ISAAC N. DANN, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE NEW HAVEN FOLDING CHAIR COMPANY.

FOLDING CHAIR.

Specification forming part of Letters Patent No. 52,488, dated February 6, 1866.

To all whom it may concern:

Be it known that I, ISAAC N. DANN, of New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Folding Chairs; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which represent a perspective view of my improved chair unfolded.

This invention relates to improvements in the manufacture of that class of folding chairs which are composed of cross-legs, the front legs extending upward and joined together at their ends by a cross-piece, forming the back of the chair, and the seat of which is formed by a flexible substance fastened to a front and back round secured, respectively, to the rear and front legs.

The object of this invention is threefold: First, to obtain a larger and more convenient seat than is afforded by the folding chairs as ordinarily constructed; second, to secure a strong and firm joint without reducing the strength of the two legs of the chair at their point of junction; and, third, to give increased strength to the back of the chair at the point where it meets the back round of the seat.

In the folding chair of this pattern now in use the back round of the seat is straight, so that the person sitting in the chair comes in contact with the round, part of his weight resting thereon, which cannot fail to be disagreeable. To obviate this is the object of the first part of my invention, which consists in bowing or curving the back round in the plane of the seat, the convexity being back of the chair. By this means a larger and more commodious seat is obtained.

In the chair as usually constructed a round is inserted in the legs at the point where they cross each other, forming the joint upon which the folding of the chair is effected, and connecting the sides of the chair. In order that this round may be secured into the legs it is necessary to cut away so much from the center of each leg as is required for the insertion of the wooden tenon. This, of course, materially weakens the legs of the chair. To remedy this is the object of the second part of my invention, which consists in the use, in lieu of the round, of two rivets uniting the contiguous legs on each side of the chair. Thus while

answering the same purpose as the wooden round they will preserve all the strength needed.

It has also been usual in chairs of this class to place the back round of the seat between the sides of the front legs, retaining the round in its place by inserting its end into mortises cut in the sides of the legs. It is evident that this weakens the back of the chair and renders it more liable to break when any pressure is brought to bear against it. To remedy this defect is the object of the third part of my invention, which consists in placing the back round of the seat in rear of instead of between the two front legs, fastening the round to the legs by screws or otherwise. It will be seen that my improvement not only adds to the strength of the back of the chair, but also materially increases the depth of the seat.

To enable others skilled in the art to fully understand and construct my invention, I will now proceed to describe it.

In the accompanying drawings, *a a'* and *b b'* are, respectively, the front and back legs of the folding chair, which are fastened at the points where they cross each other by the two rivets *c c'*.

d is the bowed or curved back round of the seat, secured to the rear of the two front legs, *a a'*, by means of screws or in any other suitable manner. To the upper ends of the back legs, *b b'*, the front round, *e*, is secured. A flexible substance of suitable material is fastened to this front round, *e*, and the back round, *d*, forming the seat of the chair. The cross-piece *f* connects the upper ends of the legs *a a'*, and in conjunction with them forms the back of the chair.

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

The use, in a folding chair of the character herein described, of a curved or bowed back round for the seat, whether the same be placed between or in rear of the front legs of the chair, as and for the purposes herein set forth.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

ISAAC N. DANN.

Witnesses:

R. FITZGERALD,
E. F. MERRICK.