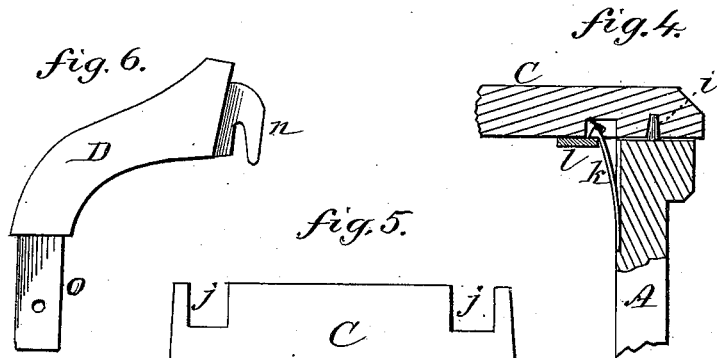
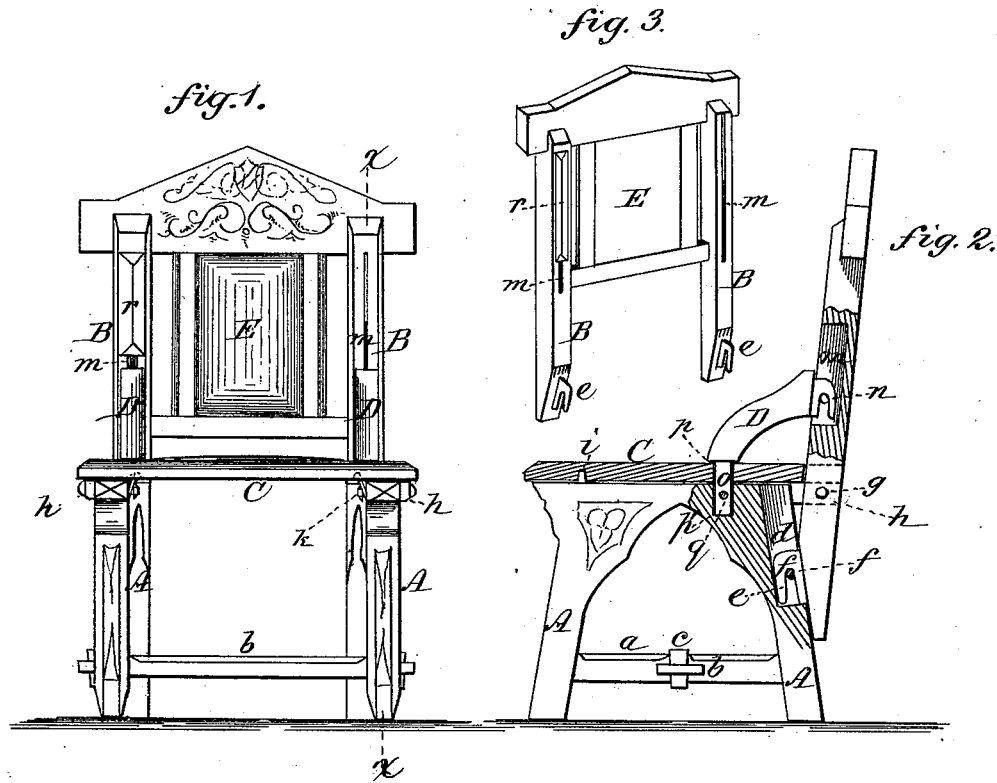


J. ASK...
Chair.

No. 202,505.

Patented April 16, 1878.



Witnesses:

J. W. Wagner
Floyd Harris

Inventor:

Justus Ask
by his Attys
Johnson & Johnson

UNITED STATES PATENT OFFICE.

JUSTUS ASK, OF SALEM, OHIO.

IMPROVEMENT IN CHAIRS.

Specification forming part of Letters Patent No. **202,505**, dated April 16, 1878; application filed July 18, 1877.

To all whom it may concern:

Be it known that I, JUSTUS ASK, of Salem, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in the Manufacture of Chairs; and I do hereby declare that the following is a full, clear, and exact description thereof, which 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.

The invention relates to that class of furniture which is so constructed that it may be packed and transported in parts, and put together for use by skilled or unskilled persons.

I shall hereinafter describe my invention as of a construction of chairs; but it is obvious that the same devices or slight modifications thereof, and the same combinations of devices, are applicable alike to all classes of seating-furniture, as lounges, sofas, tête-a-têtes, and the like.

The object of my invention is to improve the manufacture of such furniture in the particulars of durability, ease of construction, convenience in handling, shipping, and cleaning, without impairing the beauty of the article or detracting from its simplicity.

The invention consists in certain devices and combinations of devices, which will hereinafter appear from the description and drawings, and which I shall specify in the claims.

Referring to the accompanying drawings, Figure 1 is a front elevation of a chair embracing my improvements; Fig. 2, a vertical section, showing the manner of attaching the back and arms; Fig. 3, the back detached; Fig. 4, a detail, showing the spring-catch for holding the seat; Fig. 5, a bottom view of the seat, and Fig. 6 one of the chair-arms.

In constructing a chair, the legs A for the two sides are framed and put together with a side slat or rail, *a*, for each side. This rail *a* is provided with a mortise at or near its middle, through which passes a cross-rail, *b*, framed into it, and secured by keys *c*, or by a pin or button. The legs are thus locked firmly together.

The upper back parts of the legs are provided with slots or grooves *d*, Fig. 2, into

which are mortised hook-irons *e*, suitably secured in the lower and inner parts of the back posts B of the chair, which posts are beveled to come flush with the incline of the rear legs. These hook-irons *e* engage with pins *f* or suitable devices in the legs, thus securing the back posts firmly to the chair. The back is additionally secured, if deemed necessary, by pins or screws *g* passing through projections *h* attached to the leg-frame.

The frame for the seat, or the seat C, is made separate, and is held in place by dowel-pins *i* in the tops of the front legs. Gains or slots *j* in the back part of the sides of the seat, which hug the back posts, and catches *k*, inserted in or attached to the inner sides of the leg-frame, which engage with metallic bearings *l* on the under side of the seat, are the devices which secure the seat.

The chair is also provided with arms D, when desired. The arms are attached by slotting the inner or front sides of the back posts B at *m m*, which slots receive hook-irons *n* of the back end of the arms, which hook-irons are secured by a simple pin or key. The outer ends of the arms are provided with tenons *o*, which pass into mortises *p* in the seat and *p'* in the leg-frame, and are secured by pins *q* passing through from the inner sides of the leg-frame and the lower ends of the tenons. The slots *m* are sufficiently long to permit the hook-irons *n* to rise above their securing-pins and out of the slot when the chair is to be taken to pieces.

For fine work, the slots cut in the front sides of the back posts are covered neatly by a piece, *r*, dovetailed, and neatly adjusted to slide up out of the way of the arms when it is desired to remove them or take the chair to pieces. The center-piece E of the back is made removable, as is also the center-piece F of the seat. They are secured by bevel-joint.

The ordinary brace-arms of chairs are constantly breaking, and my method of securing the arms is intended to obviate this, while carrying out the principle of constructing a chair to be put together piecemeal and taken apart for storage, packing, and transportation.

The movable pieces E and F are designed for cleaning and packing purposes, and the

movable seat-piece is especially useful in adapting the chair for sick-room purposes.

From the foregoing description it will be readily understood by those skilled in the art that the chair is taken apart by removing the arms first, the seat next, the back next, and so on until every part is separated.

The arms, when used, lock the seat, legs, and back firmly together. The gains *j* in the seat act as lateral braces to the back posts of the chair, and ward off strain from the hook-iron locks.

I claim—

1. The back posts B, beveled and provided with hook-irons *e*, in combination with the rear posts A, having slits *d*, substantially as described.

2. The back posts, beveled and provided with hook-irons, in combination, with the rear posts, having slits, and the gains *j* of the seat-frame C, through which said back posts B pass, substantially as described.

3. The leg-frame A, with the catches *k*, and the seat-frame C, with the bearing-straps *l*, in combination with dowel-pins *i*, as and for the purpose described.

4. The chair-arms D, provided at one end with a hook-iron, *n*, adapted to fit in a slit, *m*, in the back posts B, and at the other end with a tenon, *o*, adapted to be held in a mortise, *p p'*, through the seat and in the leg-frame.

5. The covering-piece *r* for the back-post slit, dovetailed and adapted to slide up and down to permit of the arm's adjustment, as described.

In testimony that I claim the foregoing I have affixed my signature in the presence of two witnesses.

JUSTUS ASK.

Witnesses:

FRANK D. ROADS,
JOHN R. WILLIAMS.