C. C. CLAY.

REVOLVING CHAIRS.

No. 186,462. Patented Jan. 23, 1877.

Fig. 1.

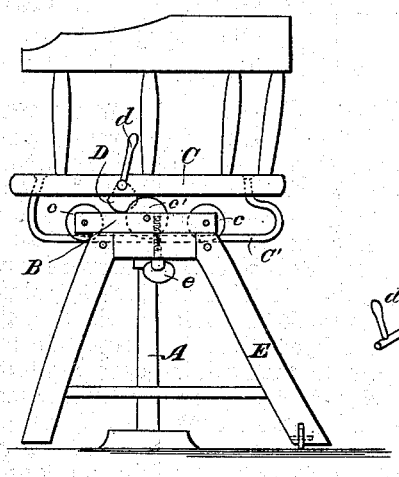


Fig. 3.

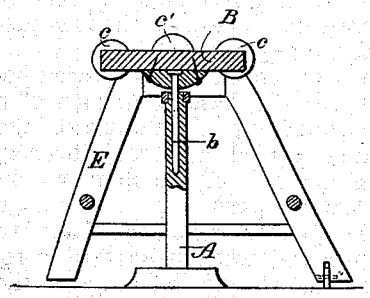


Fig. 4.

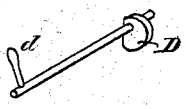
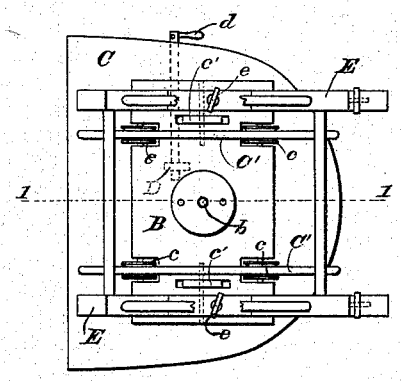


Fig. 2.



WITNESSES

Wm A. Skinkle

F. Stich

INVENTOR

Cyrus C Clay

By his Attorneys

Baldwin, Hopkins & Peyton

UNITED STATES PATENT OFFICE.

CYRUS C. CLAY, OF FACTORYVILLE, PENNSYLVANIA.

IMPROVEMENT IN REVOLVING CHAIRS.

Specification forming part of Letters Patent No. **186,462**, dated January 23, 1877; application filed November 6, 1876.

To all whom it may concern:

Be it known that I, CYRUS C. CLAY, of Factoryville, in the county of Wyoming and State of Pennsylvania, have invented certain new and useful Improvements in Chairs, of which the following is a specification:

My invention relates to chairs of that class having movable or turning seats. Its objects are to enable the occupant to push his chair back from a desk, table, or other object at which he may be sitting, and to turn in his seat, so as to be able readily to rise therefrom without the necessity of pushing back the legs or base of the chair, which is troublesome, and involves wear upon carpets, &c.

To these ends my improvements consist, first, in combining the chair-seat with its supporting-base by means of guideways or rails underneath the base, and traversing on friction-rollers, the seat itself running on friction-rollers above the base, whereby the seat is readily moved and securely held in a horizontal position; secondly, in combining the base, the chair-seat, and the guideway with a locking-cam interposed between the two, to hold the chair in its adjusted position; and, thirdly, in connecting with the sliding chair the turning base, with legs supporting and bracing the base, whereby the legs of the chair may readily be turned with the base, and yet support it firmly in any position.

In the accompanying drawings, Figure 1 represents a view, in elevation, of my improved chair; Fig. 2, an inverted plan view thereof; Fig. 3, a vertical central section therethrough on the line 1 1 of Fig. 2; and Fig. 4, a detached view of the locking-cam.

A central spindle or support, A, may be made in any suitable well-known form, and may be either fixed to the floor or movable, as desired. The base B is provided with a spindle, *b*, which may be either a screw or plane, and which turns in a socket in the support A. The seat or chair proper C is provided at each side with longitudinal guideways or rails C′, which pass under the base B, traversing friction-rollers *c* therein. The seat traverses upon friction-rollers *c′*, also turning in suitable journals in the base.

By this construction the chair can be readily moved backward or forward, while it is prevented from tipping.

The chair may be locked in any desired position relatively to the base by means of a locking-cam, D, mounted underneath the chair-seat, and controlled by a crank-lever, *d*, projecting from the side of the chair, within easy reach of the occupant.

By this mode of construction, the chair can readily be moved backward or forward or revolved on its support, and be locked in the position desired.

As a means of imparting additional stability to the chair, I propose, sometimes, to mount the revolving base upon legs E. The base rests upon these legs, and is secured thereto by means of thumb-screws *e*, which permit of the ready removal or replacement of the leg-frame.

The legs, it will be observed, are made somewhat shorter than the central support, and the rear legs are provided with rollers or casters, by which means the legs turn readily with the base upon the central support; and by tipping the chair forward, as natural in sitting, the front legs touch the floor, and prevent the rotation of the chair, while by tipping the seat backward the front legs are raised from the floor, and the rear ones turn readily upon the rollers.

The advantages of my improvements will be obvious from the foregoing description.

I have described all my improvements as embodied in one chair in the best way now known to me; but, obviously, some of said improvements may be used without the others, and in chairs differing in construction from that herein shown.

I claim as of my invention—

1. The combination, substantially as hereinbefore set forth, of the chair-base, its rollers, the sliding seat, and the guideways connected therewith.

2. The combination, substantially as hereinbefore set forth, of the base, the seat, its

guideways, and the locking-cam, interposed between the seat and base, to lock the chair in its adjusted position.

3. The turning sliding chair hereinbefore described, consisting of the central support, the base revolving thereon, the legs secured to and turning with the base, the sliding seat, its guideways, and friction-rollers, these members being constructed and operating substantially as described.

In testimony whereof I have hereunto subscribed my name.

CYRUS C. CLAY.

Witnesses:
M. J. WILSON,
GEO. C. GREEN.