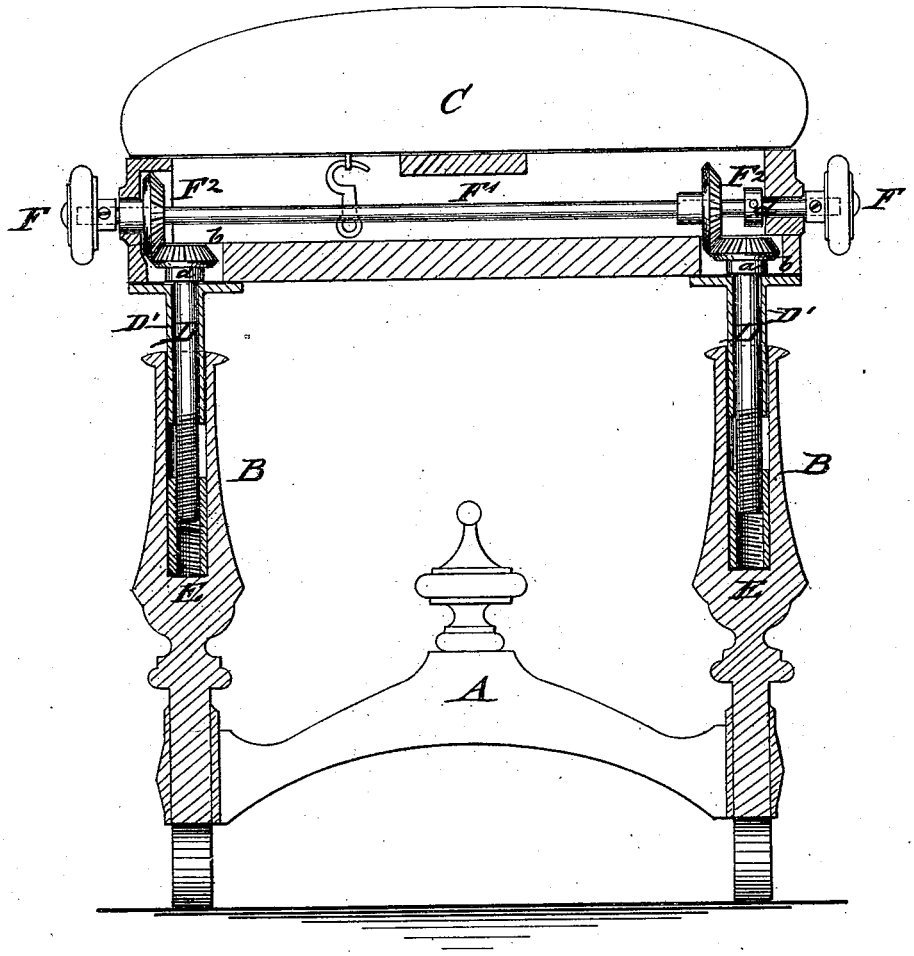
G. A. RAMSEYER.

PIANO-STOOL.

No. 186,757. Patented Jan. 30, 1877.



WITNESSES:

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GEORGE A. RAMSEYER, OF NEW YORK, N. Y.

IMPROVEMENT IN PIANO-STOOLS.

Specification forming part of Letters Patent No. **186,757**, dated January 30, 1877; application filed December 30, 1876.

To all whom it may concern:

Be it known that I, GEORGE A. RAMSEYER, of the city, county, and State of New York, have invented a new and Improved Piano-Stool, of which the following is a specification:

The object of this invention is to provide an improved piano-stool supported on two posts or pillars, that is adjusted into higher or lower position without any shaking motion of the seat by side buttons and simple mechanism that is placed entirely out of sight.

The invention consists, first, of the combination of the seat, having fixed guide-sleeves or "pistons" and revolving screw-posts, with the hollow standards or pillars, provided with bottom screw-nuts at a depth equal to the length of the pistons; and it consists, secondly, of the side buttons of the seat applied to a connecting-shaft, and operating, by suitable gearing, the adjusting screw-posts.

The accompanying drawing illustrates fully my invention, and represents a vertical longitudinal section of my improved piano-stool.

A in the drawing is the longitudinal brace part of the lateral supports or feet of the side standards or pillars B, into the hollow upper parts of which the screw-posts D of seat C are screwed. The screw-posts D are inclosed at their upper smooth parts by sleeves or pistons D′, that are securely attached to the under side of the seat. The parts of the screw-posts D that extend below the fixed sleeves or pistons D′ are threaded, and screw into nuts E that are arranged at the lower parts of the cavities of the standards at a distance below the upper end of the same equal to the length of the guide-sleeves or pistons D′, which are accurately fitted into the standards to move smoothly and steadily therein without the least shaking or vibrating motion. The screw-posts B rest, by top collars *a*, on the top flanges of the sleeves D′, and turn in recesses *b* of the seat-frame provided for the same. They are revolved so as to raise or lower the seat in easy and convenient manner by means of side buttons F of the seat, that are secured to a longitudinal connecting-shaft, F^1, the shaft being retained in position in the bearings of the seat by end collars *d* or by the buttons F. The shaft F^1 connects, by bevel-wheels or other gearing, F^2, with the heads of the screw-posts, which are revolved by turning either button so as to raise or lower thereby the seat in imperceptible manner without seeing the mechanism, as the seat covers the shaft and gearing, and the sleeves the revolving posts. Thus a conveniently-adjusted stool, with easily and steadily-working mechanism, is obtained, and an elegant and ornamental appearance imparted to the same, as none of the operating parts are exposed to view. The same construction may, with equal facility, be applied to a center-post piano-stool.

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

1. In a piano-stool, the combination of the fixed guide-sleeves or pistons, and of the revolving screw-posts of the seat with the hollow side pillars or standards having screw-nuts placed at a depth equal to the length of the pistons, to jointly screw up or down the screw-posts, and guide the same in the pillars, substantially as and for the purpose set forth.

2. The combination of the side buttons secured to the ends of a connecting-shaft of the seat, and of suitable gearing arranged at the interior of the seat with the revolving screw-posts, fixed guide-sleeves, hollow pillars or standards, and bottom screw-nuts, to raise or lower the seat, substantially in the manner and for the purpose specified.

GEO. A. RAMSEYER.

Witnesses:

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