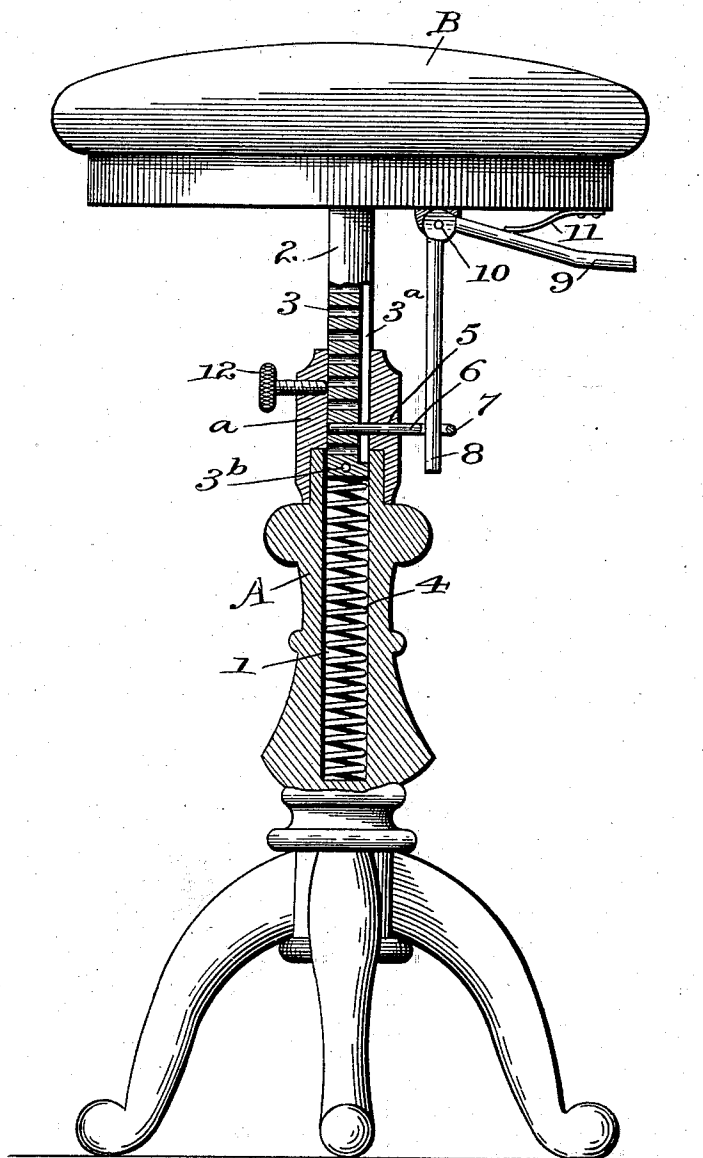


(No Model.)

S. S. GOSHORN.
PIANO STOOL.

No. 580,665.

Patented Apr. 13, 1897.



Witnesses.
Edwin G. McKee
K. A. Nau.

Inventor
Samuel S. Goshorn
By John Hedderburn
his Attorney

UNITED STATES PATENT OFFICE.

SAMUEL S. GOSHORN, OF PHILIPSBURG, PENNSYLVANIA.

PIANO-STOOL.

SPECIFICATION forming part of Letters Patent No. 580,665, dated April 13, 1897.

Application filed May 8, 1896. Serial No. 590,679. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL S. GOSHORN, a citizen of the United States, residing at Philipsburg, in the county of Centre and State of Pennsylvania, have invented certain new and useful Improvements in Piano-Stools; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to stools, and more particularly to piano-stools adapted for vertical adjustment.

My object is to provide an improved piano-stool whose seat is adapted for automatic adjustment.

The invention consists of certain novel features and combinations, as will appear more fully hereinafter.

The accompanying drawing illustrates the invention.

A represents the usual piano-stool standard supported upon suitable legs and of any preferred design. This standard is provided with a vertical centrally-disposed opening 1, preferably circular and extending the greater portion of the length of the standard.

B designates the seat, which is supported on a cylindrical rod or stem 2, which snugly yet easily fits the opening in the standard A. This stem is provided with a series of transverse holes 3 and a longitudinal slot 3^a. The lower end of the stem is provided with a transverse pin 3^b, which prevents the stem from being pulled out of the standard. Between the lower end of the stem and the bottom of the opening 1 is interposed a long coil-spring 4, whose normal tendency is to raise the stem and seat supported thereby.

The upper portion of the standard A is provided with an iron collar *a*, which is bored transversely at 5 and receives a slidable pin 6, which has an eye 7, and is adapted to be moved into the openings in the seat-stem 2. The end of the pin always works in the longitudinal slot 3^a when retracted from holes 3, so that the rod is prevented from turning. Means are thus provided whereby the seat may be held at any desired height.

A bell-crank lever having a long vertical arm 8, which passes through the eye of the

pin 6, and provided with a hand-lever 9, is fulcrumed to the under side of the seat at 10. A flat-spring 11, also fastened to the seat and bearing against the hand-lever, tends to keep the pin 6 pressed into the collar *a* of standard A.

I also employ a set-screw 12, which is adapted to bind upon the seat-stem when desirable.

The operation is as follows: When the hand-lever is raised against the action of the flat spring, the slidable pin 6 is pulled outward, allowing the spiral spring in the standard to automatically adjust the seat vertically. When the seat has reached the required height, the operator can release the hand-lever, whereupon the flat spring will force the sliding pin into one of the holes in the seat-stem and secure the seat in proper position.

To prevent any wobbling of the seat when occupied by a heavy person, I find it desirable to adjust the set-screw so that it will bind the seat-stem, although this is not absolutely necessary.

The vertical arm of the bell-crank lever is made extra long, so that it will never be pulled out of the eye of the sliding pin.

The operation is the same when the seat is lowered.

Having thus described the invention, what is claimed as new is—

In a stool of the class described, the combination with a stool-standard provided with a vertically-extending opening, of a seat, a stem connected to the seat and slidable in the opening, being provided with a series of transversely-extending apertures and a longitudinally-extending groove, a coil-spring seated in the opening and pressing against the bottom end of the stem, a pin movable in the standard and adapted to enter the groove and apertures, a spring-pressed bell-crank lever hinged to the seat and adapted for operating the pin, and a clamping-screw adapted to bind on the stem.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

SAMUEL S. GOSHORN.

Witnesses:

HENRY SOUTHARD,
J. H. LUCAS.