

No. 817,234.

PATENTED APR. 10, 1906.

V. A. FAGERSTROM.

STOOL.

APPLICATION FILED JULY 31, 1905.

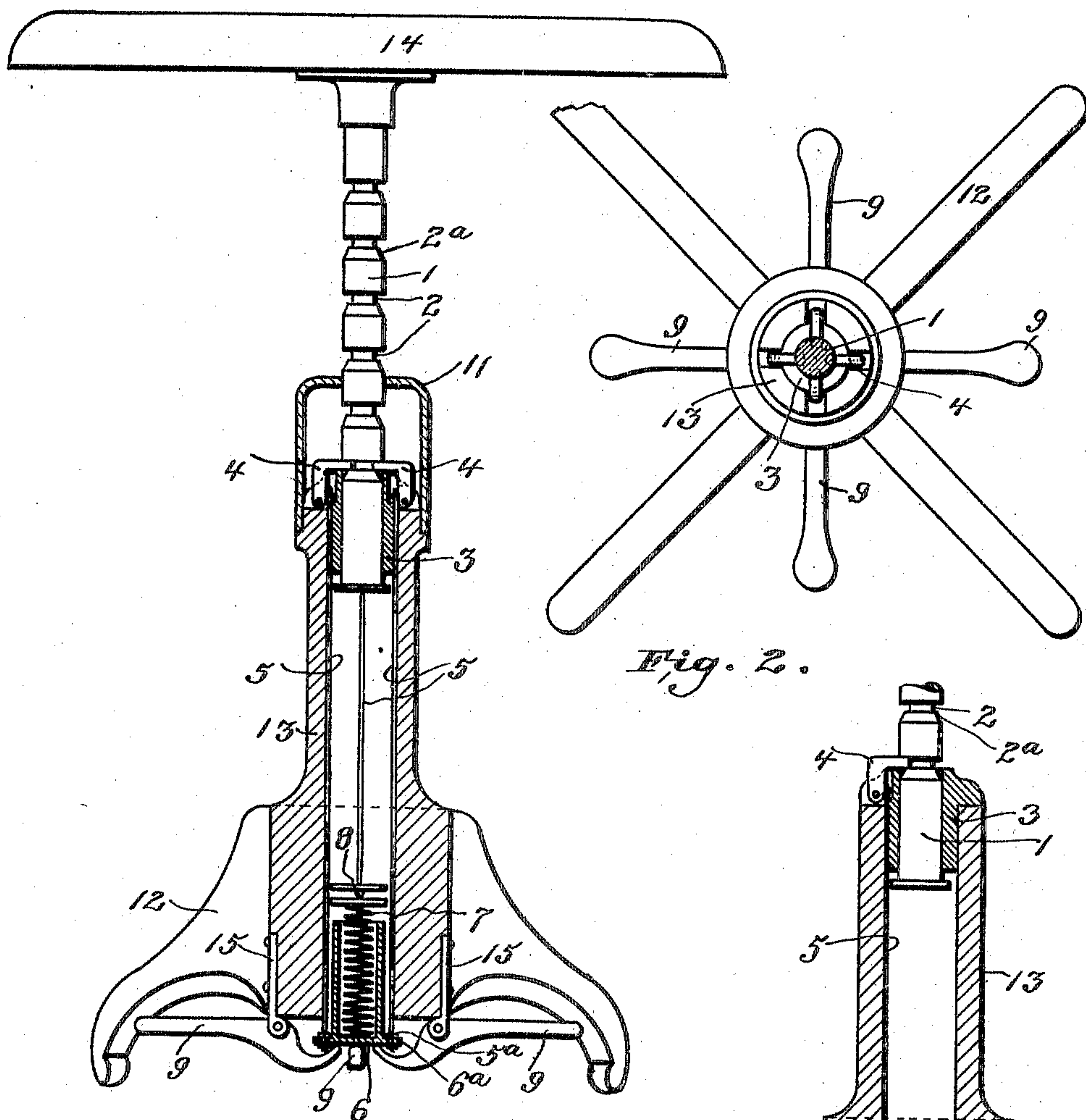


Fig. 2.

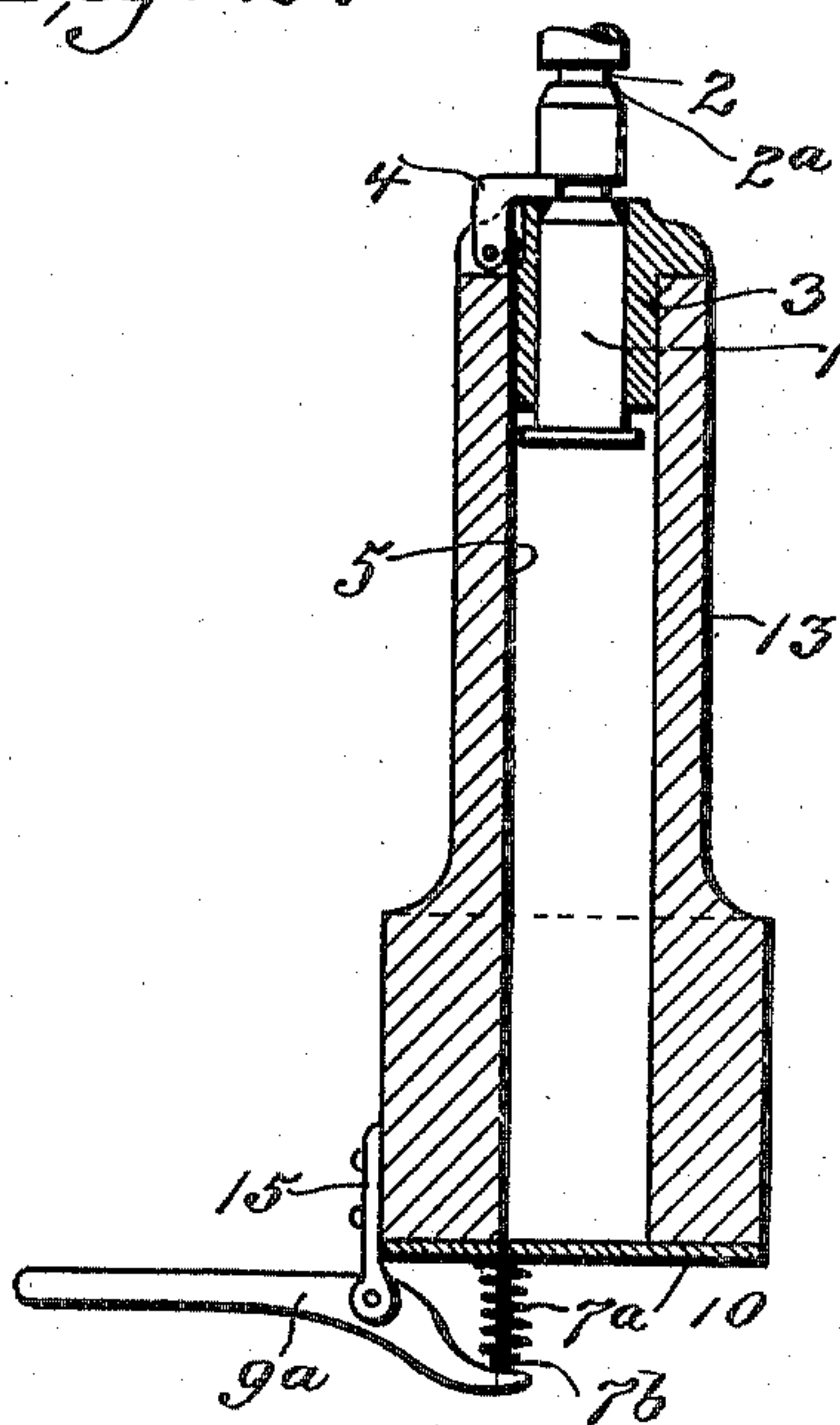


Fig. 3.

Witnesses

Maschmitt
Gro E Jew

Inventor

Victor A. Fagerstrom ^{Inventor}
Milo B. Stevens & Co

Attorneys

UNITED STATES PATENT OFFICE.

VICTOR A. FAGERSTROM, OF ROCKFORD, ILLINOIS, ASSIGNOR OF ONE-HALF TO CARL S. GUSTAFSON, OF ROCKFORD, ILLINOIS.

STOOL.

No. 817,234.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed July 31, 1905. Serial No. 272,012.

To all whom it may concern:

Be it known that I, VICTOR A. FAGERSTROM, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented new and useful Improvements in Stools, of which the following is a specification.

This invention is an improvement in that class of stools, chairs, seats, and the like having means to raise and lower the same, consisting, broadly, of a standard having a series of annular grooves therein, with a dog for holding the standard at the desired height, the construction being such that the rotation of the seat is not prevented.

The object of the invention is to form an improved device of the kind as will more fully appear from the following description and the drawings.

In the drawings, Figure 1 is a sectional elevation of a piano-stool provided with the improvement. Fig. 2 is a plan view thereof with the seat-standard in section. Fig. 3 is a sectional detail of a modification.

Referring specifically to the drawings, 13 indicates an upright tubular base provided with legs 12, upon which it is supported. The seat 14 is mounted upon the top of a spindle 1, which has a series of annular grooves 2. The spindle fits within a bushing 3 at the top of the base, and on top of the base are pivoted one or more dogs 4, the upper ends of which are bent in over the top of the bushing to engage in the grooves 2. Each dog is connected on the inner side to a rod 5, which extends down through the tubular standard 13 to connection with a lug 6^a, projecting from the bottom of a cylindrical socket-piece 6, which is located within the lower end of the standard and contains a coiled spring 7, which bears at its upper end against a cross-pin 8 in the tube. The lower end of the rods 5 are conveniently connected by screw and nuts, as indicated at 5^a, although they may be connected in any other way.

9 indicates foot-levers, of which there may be one or more, pivoted under the base of the stool to hangers 15. The inner ends of these levers are curved to contact against the bottom of the socket-piece 6, and the outer ends extend in convenient position to receive the pressure of the foot. The lower edges of the

grooves are beveled, as at 2^a, and a cap 11 covers the dogs at the top of the standard 13.

The spring 7 normally forces the socket-piece 6 down and holds the dogs in engagement in the grooves. To release the dogs in order to raise or lower the seat, one of the levers 9 is pressed, which lifts the socket-piece and pushes up the rods and throws the dogs out of the grooves. The seat can then be raised or lowered to the desired extent, and when the levers are released the dogs will engage in the appropriate groove. The grooves being annular, the seat may be revolved without interference.

In the modification shown in Fig. 3 only one dog 4 is shown, and this is connected to a rod which extends down through the standard and through a plate 10, secured to the bottom thereof. The foot-lever 9^a bears at its inner end under the lower end of the rod, and the spring 7^a is coiled around the rod between the lever and the plate 10 and is held by a pin 7^b in the end of the rod. Pressure on the lever lifts the rod and disengages the dog, so that the seat can be raised and lowered.

The four foot-levers, as shown in Fig. 2, enable the stool to be operated from any side. The single construction shown in Fig. 3 is useful where the lever can always be got at from the same side.

The invention is not limited to the piano-stools shown, but may be applied to chairs and seats of any kind.

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

The combination with a tubular standard, and a seat having a grooved spindle in the standard, of a dog pivoted on the standard and engageable with the grooves, a piece movable up and down in the bottom of the standard and connected to the dog, a spring bearing down upon said piece, and a lever bearing under said piece and arranged to lift the same.

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

VICTOR A. FAGERSTROM.

Witnesses:

CARL S. GUSTAFSON,
ALFRED LARSON.