

No. 892,054.

PATENTED JUNE 30, 1908.

F. P. HOLTZMAN.
STOOL.

APPLICATION FILED FEB. 25, 1908.

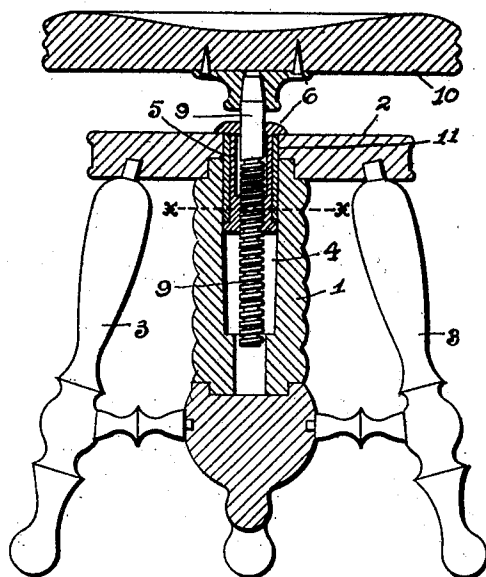


Fig. 1.

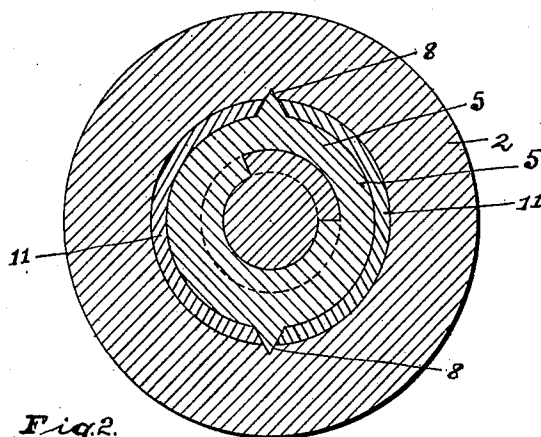


Fig. 2.

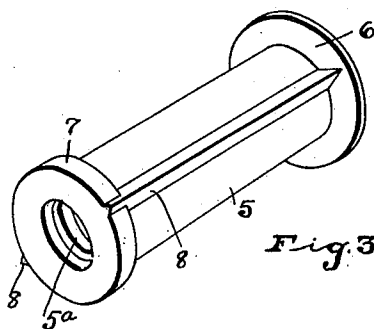


Fig. 3.

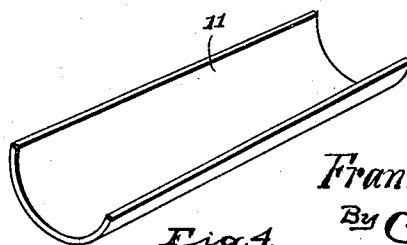


Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

FRANK P. HOLTZMAN, OF COLUMBUS, OHIO, ASSIGNOR TO HENRY HOLTZMAN & SONS COMPANY, OF COLUMBUS, OHIO, A CORPORATION OF OHIO.

STOOL.

No. 892,054.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK P. HOLTZMAN, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Stools, of which the following is a specification.

My invention relates to stools of that class which are provided with revolving and vertically adjustable seats, said seat being rotatably mounted upon the upper end of a vertically arranged screw which in turn passes through and has a threaded engagement with a metal sleeve or tubular nut which is fixed in the upper portion of the central pedestal or standard of the stool.

The objects of my invention are to provide an improved construction of screw carrying sleeve or nut which will insure a rigid engagement thereof with the central stool pedestal or standard and which will obviate the usual tendency of such screw holding devices toward working loose or becoming rotatable within the pedestal or stool head and to produce certain improvements in details of construction and arrangement of parts which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawing, in which:

Figure 1 is a central vertical section of a piano stool having my improved construction, Fig. 2 is an enlarged transverse section on line $x-x$ of Fig. 1, Fig. 3 is a detail view in perspective of the screw retaining sleeve or tubular nut which I employ, and, Fig. 4 is a similar view in perspective of one of the bushing sections which I employ in the manner hereinafter set forth.

Similar numerals refer to similar parts throughout the several views.

1 represents the central vertical pedestal of a stool which is surmounted by a fixed top plate or stool head 2 from the underside of which on the underside of said central pedestal may extend suitable supporting legs 3 in the usual manner. As indicated in the drawing, the vertical pedestal or column 1 is formed with a central bore or hollow 4 which communicates with a central opening in the head 2.

5 represents a tubular nut or sleeve, the latter being formed in its lower portion with internal screw threads 5^a and having its upper and lower ends formed with lateral enlargements or circumferential end flanges 6

and 7. In producing the member 5, I form the same with the desired number of projecting longitudinal anchor ribs 8 which are preferably of the V-form in cross section indicated in the drawing. These anchor projections or ribs of which there are two shown in the drawing, extend from the underside of the head flange 6 to the lower end of the body 5 intersecting the periphery of the flange 7, as shown. As shown in the drawing, the screw carrying body 5 is designed to be driven downward through the opening in the head 2 and into the upper portion of the bore 4 of the central standard or pedestal 1, the wedge-like projections 8 being in this operation made to engage the wood of both said stool head and standard.

9 represents the seat supporting screw which passes through and engages the internal threads of the sleeve 5 and the upper unthreaded portion of which supports a seat 10 in the usual or well known manner. In order to insure a permanent rigid anchoring of the screw carrying body 5 in this position in the pedestal, however, I provide bushing sections or segments of wood veneer or other similar and comparatively thin substance such as are indicated at 11, these bushing segments being shaped to conform to and adapted to closely embrace and inclose the periphery of the body 5 between the end flanges 6 and 7 and between the ribs or anchor projections 8. Prior to securing these segments in position, the same are provided on their inner and outer surface with coats of glue or other adhesive substance. This being accomplished, the body 5 together with its bushing is driven into the central opening in the head 2 and into the opening 4 of the standard, said openings being of a size to snugly receive the flange 7 and the bushing segments 11 which are flush with said flange. In this manner it will readily be understood that not only will the projecting ribs 8 be made to engage the wood forming the inner wall of the standard, but said bushing segments will be permitted to unite by means of the glue, with the inner wall of said standard, thereby providing a double lock against rotation of the screw carrying sleeve and insuring a rigid and firm engagement of said sleeve with the standard.

It will readily be seen that the means which I employ for anchoring the screw carrying sleeve, are simple and inexpensive and that the same may be readily adapted in con-

struction of piano or other stools in which a vertically adjustable seat is employed.

What I claim, is:

5 1. In a stool, the combination with a central hollow pedestal, of an internally threaded sleeve adapted to be driven into the bore of said pedestal, and a bushing for said sleeve comprising one or more sections of wood veneer the latter adapted to be glued into en-
10 gagement with the material forming the pedestal.

15 2. In a stool, the combination with a hollow pedestal, of an internally threaded sleeve having anchor projections thereon, wood bushing segments embracing said sleeve between said projections, a seat supporting screw entering and engaging the threads of said sleeve, the latter adapted to be driven into the hollow of said pedestal and the bush-

ing adapted to be glued to the material forming the pedestal. 20

3. In a stool, the combination with a hollow pedestal, of an internally threaded sleeve having peripheral projections and end flanges, a bushing formed of segments of comparatively thin material embracing said sleeve 25 between said projections and between said flanges, said sleeve and its bushing adapted to be driven into said hollow pedestal and the bushing adapted to be glued therein, and a 30 seat supporting screw entering and engaging the internal threads of said sleeve.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK P. HOLTZMAN.

Witnesses:

H. UREITH,

C. C. SHEPHERD.