(No Model.)

G. W. RICH.

PIANO STOOL.

No. 275,413. Patented Apr. 10, 1883.

Fig. 2.

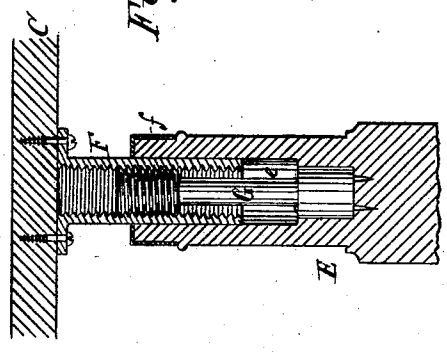
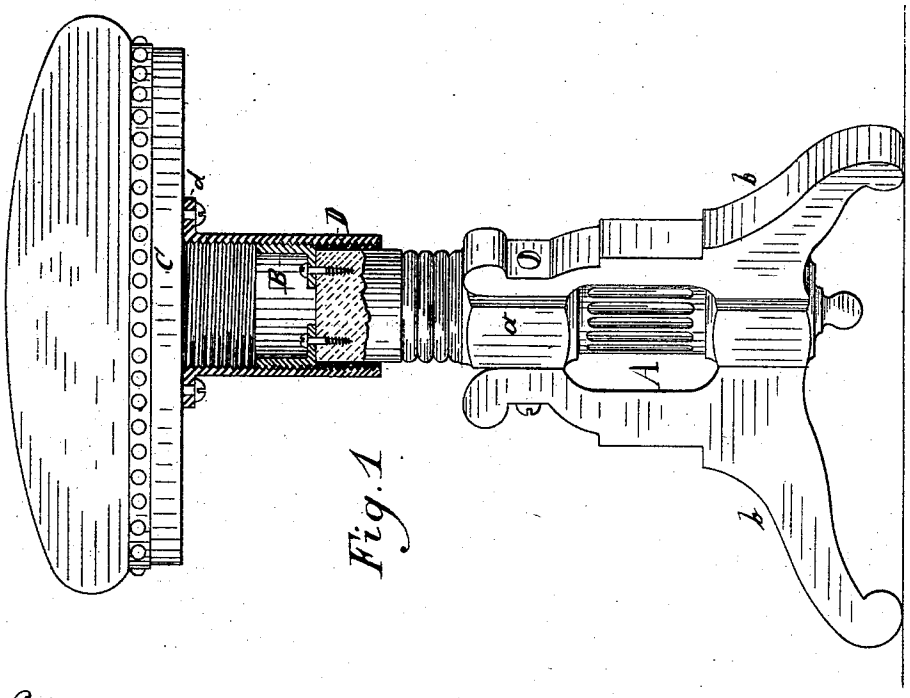


Fig. 1.



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UNITED STATES PATENT OFFICE.

GEORGE W. RICH, OF CHICAGO, ILLINOIS.

PIANO-STOOL.

SPECIFICATION forming part of Letters Patent No. 275,413, dated April 10, 1883.

Application filed July 15, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. RICH, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Piano-Stools; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of piano-stools in which the seat can be adjusted higher or lower to make it suitable for different-sized persons. The general arrangement by which this has been accomplished is a screw-threaded stem secured to the seat and projected through a screw-threaded plate or nut in or upon a socket of the base in a manner that the turning of the seat in one direction will raise it and the turning in the opposite direction will lower such seat. In this arrangement, however, the slender screw-threaded stem soon wore to allow the seat to wabble. Besides that, the screw was exposed, and damaged the appearance of the stool; and it is the object of this my invention to produce a piano-stool the seat of which can be raised and lowered in a similar manner by rotating such seat in one direction or another, in which, however, the seat is held steady with the base, and the screw is covered and protected, to be entirely out of sight.

Therefore my invention consists of the novel devices and combination of devices hereinafter described and specifically claimed.

In the accompanying drawings, Figure 1 represents a sectional elevation of a piano-stool having my improvements, and Fig. 2 a modified construction of the same.

A denotes the base of the stool, consisting of a cylindrical or partially-cylindrical central standard, *a*, to which the three legs *b* are secured by wood-screws or other well-known means. A thimble or cap, B, which is somewhat larger in diameter than the standard *a*, and is exteriorly screw-threaded, is rigidly secured upon such standard *a* of base A by wood-screws or otherwise.

C is the seat, consisting of a circular plate or board, which on top is upholstered. A sleeve, D, that is internally screw-threaded to fit over and mesh the screw-thread of thimble B, has a flange, *d*, with which it is secured by wood-screws to the bottom of seat C.

As will be noticed, the sleeve D engaging with the thimble B on a large-diameter screw-thread, such seat is held to the base very rigid, and will not allow a wabbling motion of the seat, and the sleeve D will entirely conceal the thimble, and as the seat is lowered the sleeve D will pass over the standard *a* of base A and will present its smooth cylindrical surface, which can be japanned to imitate the wood of which the base is made, so as to produce a fine ornamental finish.

In Fig. 2 I have shown a sectional view of a modified device for the connection between the base and seat of a piano-stool, which provides similar advantages as the one heretofore described, and in which E denotes the standard of the base, that in this case I provide with a cylindrical socket, *e*, forming the guide for the sleeve F. The top of standard E, I re-enforce with a metal cap, *f*. The sleeve F, being internally screw-threaded, will receive and engage with the screw-threaded head of a stem, G, which, with its lower end, is seated and secured into the bottom of socket *e*. The sleeve F has a flange, and is secured to the seat C in the same manner as heretofore described.

The device can be varied in its details in many ways without the necessity of deviating from the general construction, and therefore I would not like to be restricted to the particular arrangement shown and specified.

The general construction herein shown and described is practicable as well for chairs and all kinds of stools.

What I claim is—

1. In a piano-stool, the screw-threaded thimble or cap B, of larger circumference than and secured to the upper part of standard *a*, and the internally-screw-threaded sleeve D, secured at its upper end to the seat C, and adapted to revolve exteriorly of said cap B, and the base A, substantially as and for the purpose specified.

2. In combination with the exteriorly-screw-threaded thimble or cap B, of greater circumference than and secured upon the upper por-

tion of the standard *a* of base A, the internally-screw-threaded sleeve D having flanges *d* at its upper end, and being secured to seat C, and adapted to revolve upon the cap B and cover the screw-thread thereon, all substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

GEORGE W. RICH.

Witnesses:
EDWARD WESTLAKE,
R. G. SCHMID.