No. 829,888. PATENTED AUG. 28, 1906.

A. PYLE.

PIANO STOOL.

APPLICATION FILED AUG. 22, 1905.

Fig. 1.

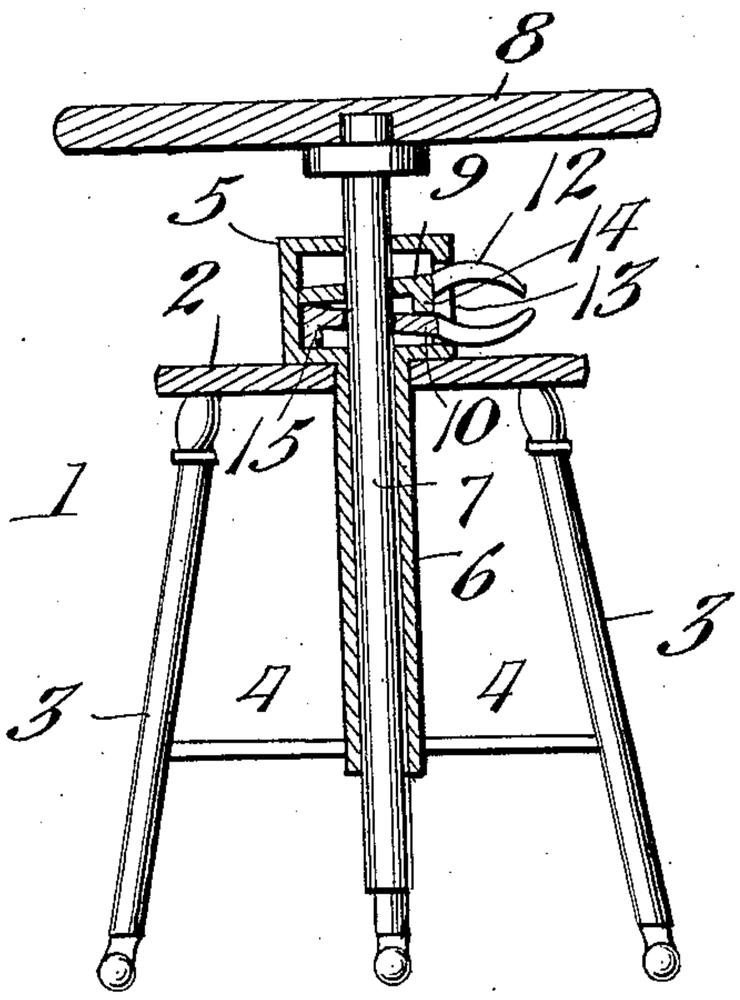

Fig. 2

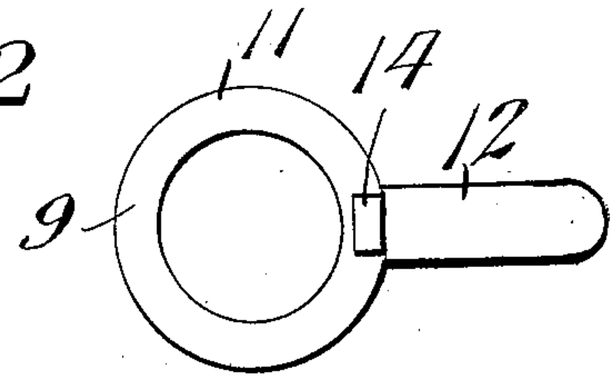

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

ARTHUR PYLE, OF REDKEY, INDIANA.

PIANO-STOOL.

No. 829,888. Specification of Letters Patent. Patented Aug. 28, 1906.

Application filed August 22, 1905. Serial No. 275,284.

To all whom it may concern:

Be it known that I, ARTHUR PYLE, a citizen of the United States of America, residing at Redkey, in the county of Jay and State of Indiana, have invented new and useful Improvements in Piano-Stools, of which the following is a specification.

This invention relates to improvements in piano-stools and similar articles, the object of the invention being to provide simple and effective means whereby the seat of the stool may be quickly and conveniently locked in adjusted position and released for a practically instantaneous adjustment to the desired height.

The preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a central vertical section of the stool, and Figs. 2 and 3 are respectively a bottom plan view of the upper clamping member and a top plan view of the lower clamping member.

Referring now more particularly to the drawings, the numeral 1 designates the frame of the stool, comprising a head 2, supported by legs 3, which are joined and reinforced by suitable braces 4. Supported by the head 2 is a box or casing 5, provided with a guide-tube 6, extending downwardly through said head. This tube receives a sliding stem 7, depending from a stool-seat 8. Within the box or chamber 5 are arranged clamping devices 9 and 10, arranged one above the other. Each of these devices is in the form of a ring or clamping-body 11, provided at one side with an operating-handle 12, projecting outwardly through a slot or opening 13 in one side of the box or chamber 5. The upper clamping member 9 is provided on its under side adjacent to its handle with a lug 14, while the lower clamping member 10 is provided upon its under side at a point diametrically opposite its handle with a lug 15. The lug 14 of the member 9 rests upon the upper surface of the member 10 adjacent to the handle thereof, while the lug 15 of the handle 10 rests upon the bottom wall of the box or chamber 5. These lugs normally hold the clamping members tilted in reverse direction at an angle to the stem 7, which passes through the openings in said clamping members, the walls of which openings are suitably inclined to grip the stem and thereby clamp the same in adjusted position when the lugs are tilted or disposed at an inclination to each other, as shown in Fig. 1. Upon gripping the handles 12, however, the member 10 may be tilted up to a horizontal position on its lug 15 and the member 9 rocked to a similar position on its lug 14, thus disposing the openings in said members at right angles to the stem, permitting the latter to be moved freely therethrough. It is apparent that when the members are so disposed the seat 8 may be raised or lowered and that then upon releasing the handles 12 the clamping members will drop by gravity to their normal inclined position and clamp or lock said stem against movement, thereby holding the seat in adjusted position.

A simple and effective construction of locking mechanism is thus provided by means of which the seat may be readily released for adjustment and locked after adjustment, the construction of the clamping devices permitting the operation of adjusting and locking the stool-seat to be practically instantaneously accomplished.

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

1. A stool comprising a frame, a seat having a stem slidably mounted in the frame, and coöperating clamping members carried by the frame and having openings for the passage of said stem therethrough, said members being normally arranged at an angle to each other to engage and clamp the stem, one of the clamping members being provided with a lug arranged to rock upon the frame and the other with a lug to rock upon the first-named clamping member, whereby the clamping members may be tilted in parallel relation to release the stem and permit the seat to be adjusted.

2. A stool comprising a frame, a seat having a supporting member slidably adjustable on the frame, and suitably-supported clamping members carried by the frame and each having an opening for the passage of the supporting member, said clamping members being provided at diametrically opposite points with lugs for supporting them at an angle to the supporting member to lock the latter from movement and on which said clamping members are adapted to tilt to a parallel position to release said supporting member.

3. A stool comprising a frame, a seat having a supporting member slidably adjustable on the frame, suitably-housed clamping

members carried by the frame and each comprising a ring having an opening for the passage of the supporting member, said rings being provided at diametrically opposite points with lugs for supporting them at an angle to the supporting member to lock the latter from movement and on which said rings are adapted to tilt to a position to release said supporting member, and handles applied to the clamps.

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

ARTHUR PYLE.

Witnesses:

CLARK RATHBURN,

K. L. THOMAS.