

(No Model.)

2 Sheets—Sheet 1.

A. J. GAUTRAU.
EXTENSIBLE AND ADJUSTABLE MUSIC STOOL.

No. 578,056.

Patented Mar. 2, 1897.

Fig. 1.

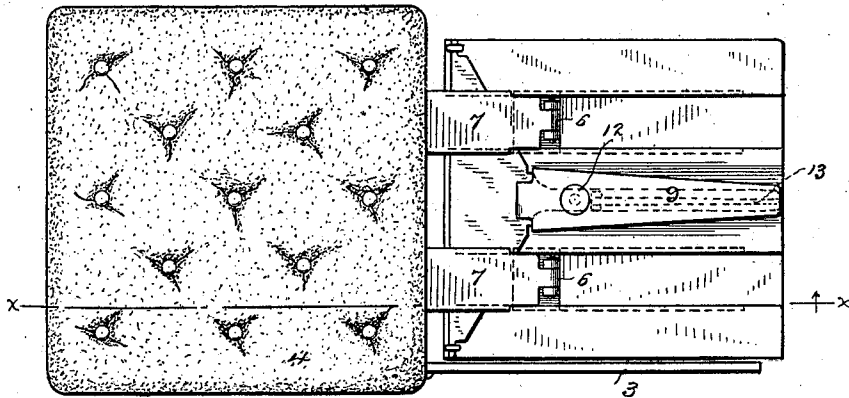


Fig. 3.

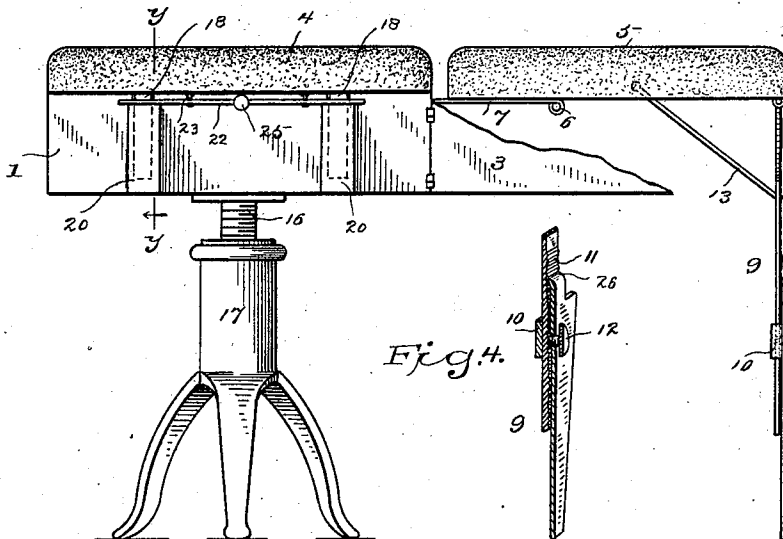
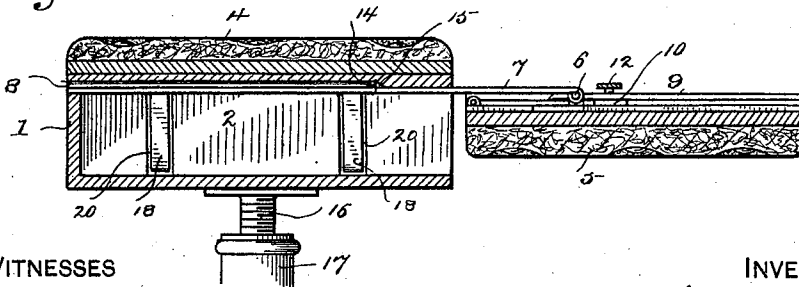


Fig. 2.



WITNESSES

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Fig. 5

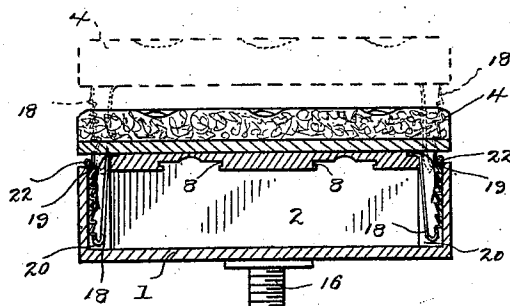


Fig. 6

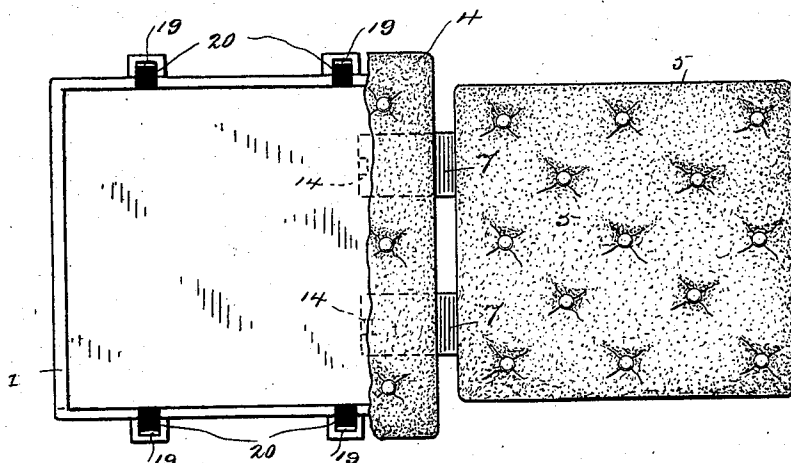
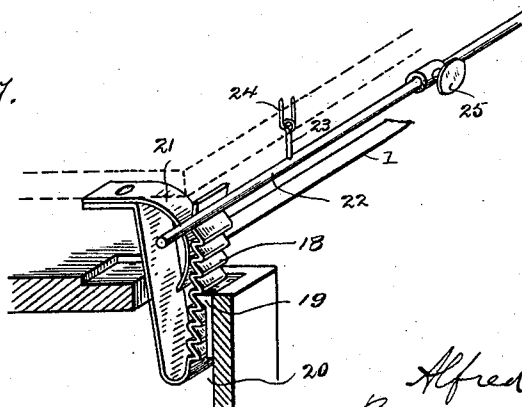


Fig. 7



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UNITED STATES PATENT OFFICE.

ALFRED J. GAUTRAU, OF STAMFORD, CONNECTICUT.

EXTENSIBLE AND ADJUSTABLE MUSIC-STOOL.

SPECIFICATION forming part of Letters Patent No. 578,056, dated March 2, 1897.

Application filed July 29, 1896. Serial No. 600,960. (No model.)

To all whom it may concern:

Be it known that I, ALFRED J. GAUTRAU, a citizen of the United States, residing at Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Extensible and Adjustable Music-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 has for its object to provide a music-stool which in addition to the usual vertical adjustment shall be extensible, so that the same stool will accommodate two persons, and, furthermore, the main seat shall be vertically adjustable independently of the extension-seat, thus providing two seats of different heights, so that in the event of one of the performers being taller than the other, as, for example, a teacher and pupil, the stool may be readily adjusted to accommodate both persons.

With these ends in view I have devised the novel music-stool of which the following description, in connection with the accompanying drawings, is a specification, numbers being used to designate the several parts.

Figure 1 is a plan view of my novel music-stool, the extension-seat being drawn out, but not turned to the operative position; Fig. 2, a section on the line *x x* in Fig. 1; Fig. 3, a side elevation corresponding with Figs. 1 and 2, except that the extension-seat is turned to its operative position and supported there by a folding adjustable standard; Fig. 4, a detail sectional perspective illustrating one way in which the standard may be made adjustable; Fig. 5, a section on the line *y y* in Fig. 3, illustrating the raising mechanism, a raised position of the main seat being shown in dotted lines; Fig. 6, a plan view corresponding with Fig. 3, a portion of the main seat being broken away; and Fig. 7 is a detail sectional perspective, on an enlarged scale, illustrating a form of lifting mechanism which I have found perfectly satisfactory in use.

1 denotes the body, which is provided with a recess 2, which receives all of the parts which comprise the extension. The body is made open at one side to permit the extension-seat and the other parts to be moved in

and out, the opening being closed when the parts are within the recess by a hinged side 3, which, when the extension-seat is drawn out, as in Figs. 1 and 2, forms a finish under the extension-seat at the back, which makes it correspond with the body.

4 denotes the main seat, and 5 the extension-seat. The extension-seat is hinged, as at 6, to slides 7, which are adapted to move in ways 8 in the top of the body, seat 5 lying under the slides in the closed position. When it is desired to use the extension, seat 5 and the slides are drawn out, as in Fig. 1, and then seat 5 is turned over, so that its under side in the operative position will rest upon the slides, as shown in Figs. 3 and 6. The outer edge of the extension-seat when in this position is supported by an adjustable standard 9. This standard may be made adjustable in any ordinary or preferred manner. I have shown the standard as made in two parts, one of which slides upon the other, and is held in place by a guide 10 on the other part. I have shown the upper part of the adjustable standard as provided with rack-teeth, as at 11, and the lower part as provided with a pawl 26, adapted to engage any of the rack-teeth. I also preferably provide a set-screw 12 to lock the parts in position after adjustment. After the standard has been dropped down to place and adjusted it is locked in the operative position by a folding brace 13, which is hinged to the under side of the extension and is adapted to engage the adjustable standard, as clearly shown in Fig. 3. The inner ends of the slides are provided with lugs 14, which engage suitable projections on the under side of the top of the body, as at 15 in Fig. 2. The engagement of lugs 14 with the projections prevents the slides from being drawn entirely out and the extension-seat thereby becoming detached from the body.

I have shown the body which carries with it the extension as adapted to be raised or lowered in the usual manner by a screw 16, which engages a standard 17. In order to provide, however, for persons of different heights, as, for example, an adult and child, I have provided seat 4 with a vertical adjustment wholly independent of the adjustment of the body and the extension by means of the screw. This independent adjustment of

seat 4 is effected by means of yielding racks 18, which are secured to the under side of seat 4, and the teeth of which are adapted to engage stops 19 upon the body. I have shown 5 pockets 20 upon the outer side of the body, which receive the racks and in which the stops are placed, and have also shown the racks as made from stiff spring metal and as reinforced by springs 21, which hold the teeth 10 of the racks in engagement with the stops, as clearly indicated in Fig. 7. Should it be desired at any time to raise the seat, it is simply necessary to lift it up, the teeth of the racks sliding freely over the stops. Any convenient means may be employed for disengaging the racks from the stops when it is desired to lower the seat. I have shown a simple device for accomplishing this purpose consisting of a rod 22 at each side of the body 20 under the seat which engages both racks on that side. These rods may be held in place in any suitable manner. I have shown the rods as suspended by means of links 23 and staples 24 (one only of the links and staples 25 being shown in the drawings) on the under side of the seat. 25 denotes finger-pieces on the rods for convenience in operation. To lower seat 4, therefore, after it has been raised, the operator presses each of the rods 22 inward by means of the finger-pieces, thereby disengaging all of the racks from stops 19 and permitting the seat to drop down to its normal position or as far as may be required.

Whenever the extension has been in use 35 and it is desired to restore it to its place within the body, the operator disengages brace 13 from the adjustable standard and turns it back under the extension-seat, loosens set-screw 12, and shortens the standard so that it 40 will likewise lie on the under side of the extension-seat, then turns the latter over from the position shown in Figs. 3 and 6 to the position shown in Figs. 1 and 2, and then slides the extension into place in the recess in the 45 body. Hinged side 3 may then be turned to place and the body will present the appearance of an ordinary music-stool and may be used in every respect as an ordinary music-stool is used.

Should it be desired to raise or lower the 50 stool, it may be done in the ordinary manner by using the screw or by raising seat 4 above the body and locking it at the raised position by means of racks 18 and stops 19, no pressure upon the rods being required to raise the 55 seat in this manner.

Having thus described my invention, I claim—

1. A music-stool comprising a seat 4, a body having a recess 2, slides 7 and a seat 5 hinged 60 to the slides and adapted when in the closed position to lie with the slides within the recess and in the open position to be turned over upon the slides.

2. In a music-stool the combination with a 65 body having a recess 2, of a seat 5, slides by which said seat is carried and which are adapted to lie with the seat in the recess in the closed position, an adjustable standard by which the outer end of seat 5 is supported 70 when in the open position and an independent seat 4 which is carried by the body.

3. The combination with a body having a recess 2 and a seat 5, slides by which said seat is carried and which are adapted to lie with 75 the seat in the recess in the closed position and an adjustable standard by which the outer end of seat 5 is supported when in the open position, of a seat 4 which is carried by the body and means for raising and lowering 80 said seat independently of seat 5 substantially as described for the purpose set forth.

4. In a music-stool the combination with a body having pockets 20 and stops 19 within 85 said pockets, of a seat having on its under side spring-racks adapted to lie within the pockets and to slide over the stops when moved upward and to engage the stops to hold the seat at the raised position and rods 22 having 90 finger-pieces 25 by which the spring-racks may be disengaged from the stops when it is desired to lower the seat.

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

ALFRED J. GAUTRAU.

Witnesses:

EMIL ROUX,

JAMES N. SHORT.