No. 694,401. Patented Mar. 4, 1902.

G. L. MARSOLAIS.

ADJUSTABLE STAND OR SUPPORT.

(Application filed Sept. 27, 1901.)

(No Model.)

Fig. 1.

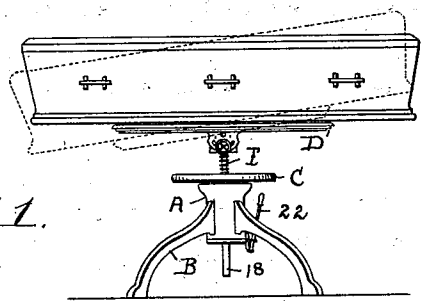


Fig. 2.

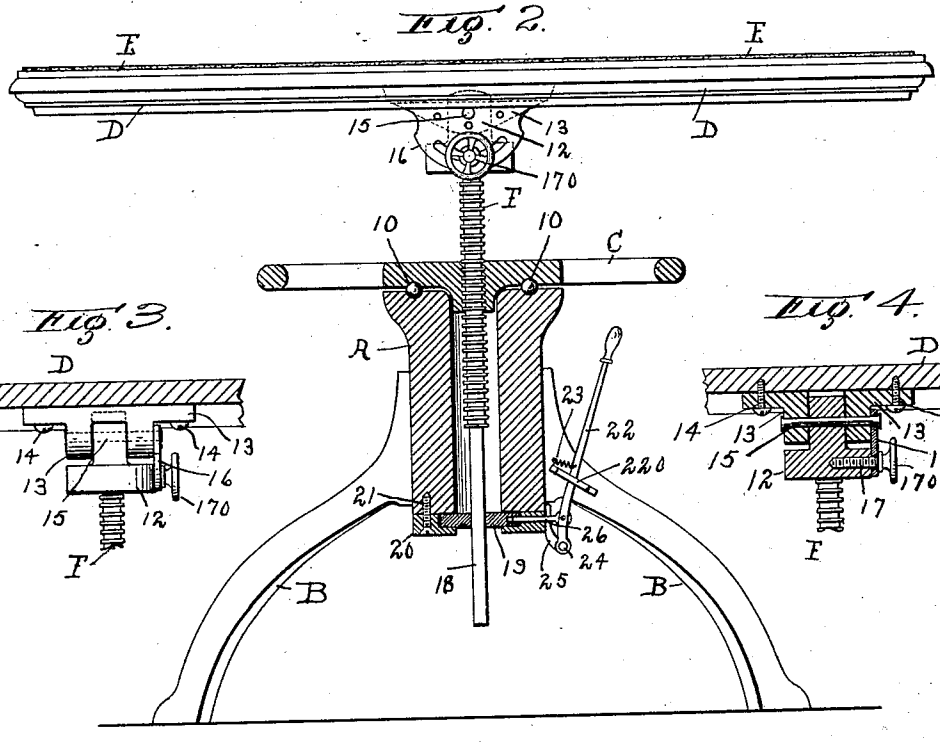


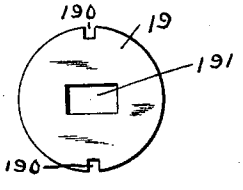
Fig. 3.

Fig. 4.

Fig. 5



Fig. 6.



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UNITED STATES PATENT OFFICE.

GEORGE L. MARSOLAIS, OF LEOMINSTER, MASSACHUSETTS.

ADJUSTABLE STAND OR SUPPORT.

SPECIFICATION forming part of Letters Patent No. 694,401, dated March 4, 1902.

Application filed September 27, 1901. Serial No. 76,743. (No model.)

To all whom it may concern:

Be it known that I, GEORGE LEANDRE MARSOLAIS, a citizen of the United States, residing at Leominster, in the county of Worcester and State of Massachusetts, have invented a new and useful Adjustable Stand or Support, of which the following is a specification.

The object of this invention is to provide a new and improved adjustable stand or support which may be used for a variety of purposes, as hereinafter pointed out.

To this end the invention consists of the device described and claimed in this specification and illustrated in the accompanying drawing, referring to which—

Figure 1 is a side elevation of my improved adjustable stand or support. Fig. 2 is an enlarged sectional elevation of the same. Fig. 3 is a side elevation of the adjustable connection between the table and the screw. Fig. 4 is a central sectional view of the same. Fig. 5 is a detail illustrating the construction of the supporting-screw, and Fig. 6 is a plan view of a part I hereinafter term the "revoluble piece or disk."

An adjustable stand or support constructed according to my present invention comprises a hollow-base section, a supporting-table, and a screw which projects from said table into said base. An adjustable connection is arranged between the end of said screw and the table, so that the table may be set at different angles. A wheel is threaded onto said screw and rests upon the top of the base or support, and balls are preferably arranged in grooves in said wheel and said support, so that the wheel will turn easily thereon. A non-circular or polygonal shank or projection extends downward from said screw F and fits into a correspondingly-shaped hole cut in a revoluble piece or disk, which is held on the bottom of said base or support, so as to be free to revolve. Means are provided whereby said disk or piece can be locked to the base or left free to revolve. When the disk is locked to the base, if the hand-wheel is turned the table will be raised or lowered. If the disk is unlocked, the table can be turned to different positions. By this construction a simple and strong adjustable stand or support is provided, which has a large range of adjustment in the directions indicated.

The device has been designed, primarily, for supporting coffins at funerals, so that the same can be raised or lowered to any desired height, tipped to any desired angle, or swung around to any desired position. By this construction the coffin can be placed in churches and other locations where room for handling the same is restricted, and the same can be set at any desired position for the service, any desired position for inspection, and brought to any desired position so that it can be easily taken out by the bearers. The device of course may be used for many other purposes, such as for drawing-stands, writing-tables, or any place where it is desired to use an adjustable table.

The invention consists, further, of certain details of construction hereinafter described.

Referring to the drawing and in detail, A designates a hollow base, projecting from which are suitable supporting-legs B B. Resting on top of the base A is a hand-wheel C, and balls 10 10 are placed in grooves cut in the hand-wheel and in the top of the base, as shown, so that the hand-wheel will turn easily.

D designates the table, and the same is preferably covered for the special use above particularized with a rubber mat E.

F designates the supporting-screw, which is threaded into the hand-wheel C. Secured on top of the screw F is a bracket 12, which fits between lugs extending from a piece 13, which is secured to the bottom of the table D by screws 14. A pin 15 is passed through the said lugs and the support 12. Secured on the base 13 is a supporting-plate 12, which has a groove cut therein concentric with the pin 15. Passing through said groove and threaded into the base 12 is a screw 17, which has a suitable hand-wheel 170 on the end thereof. By loosening the hand-wheel 170 the table may be tilted or rocked on the pin 15 to any desired angle and can then be held in this adjusted position by clamping the screw 17 in place. Extending down from the screw F is a non-circular shank or projection 18, which engages a correspondingly-shaped hole 191, cut in the center of a revoluble disk or piece 19. This piece 19 is held in place on the bottom of the base by a retaining-piece 20, which is secured on the bot-

tom of the base by screws 21. The disk 19 is normally free to revolve in said retaining-piece 20. The disk 19 has a number of notches 190 cut therein, two being shown in the present illustration of the invention.

22 designates a handle which is normally drawn in one direction by a spring 23, which is held in place on one of the supporting-legs B by a brace 220. This handle is pivoted at 24 to a small projecting bracket 25. This handle engages a locking-pin 26, which extends through the retaining-piece 20 in position to engage the notches 190 in the piece 19. The spring 23 normally keeps the locking-pin in engagement with one of the notches.

When the parts are in their normal positions, if the handle C is turned the table will be raised or lowered, as the screw F will be prevented from turning by the engagement of the locking-pin 26 with the disk 19. Thus the table can be raised or lowered without horizontal rotation. When it is desired to turn the table, the handle 22 is pushed in, thus releasing the disk 19 from engagement with the base and leaving the parts so that the table can be turned to any desired position. As shown in the drawings, two notches are cut in the disk 19 at one hundred and eighty degrees to each other, so that the table can be turned exactly half-way around and then lock in its new position. Of course any number of notches may be cut in any desired position in the disk 19, so that the table can be set horizontally in any desired position.

The details herein shown and described may be greatly varied by a skilled mechanic without departing from the scope of my invention as expressed in the claims.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In an adjustable stand or support, the combination of a base-piece, a table, a screw projecting from the table into the base, a wheel threaded on the screw and resting on top of said base, a shank projecting from said screw, a revoluble piece fitted to said base and turning with said shank, and means whereby said piece may be locked to the base or left free to revolve.

2. In an adjustable stand or support, the combination of a base, a table, a screw projecting from the table into the base, a wheel threaded on the screw and resting on top of said base, a polygonal shank projecting from said screw, a notched revoluble disk having a polygonal opening into which said shank extends, a retaining-piece holding said disk to the bottom of the base, and a movable locking-pin for engaging said disk.

3. In an adjustable stand or support, the combination of a base, a table, a screw projecting from the table into the base, a wheel threaded on the screw and resting on top of said base, a polygonal shank projecting from said screw, a notched revoluble disk having a polygonal opening into which said shank extends, a retaining-piece holding said disk to the bottom of the base, a locking-pin extending through said retaining-piece in position to engage the notched revoluble disk, and a handle for operating said locking-pin.

4. In an adjustable stand or support, the combination of a base, a table, a screw projecting from the table, an adjustable connection between said screw and table whereby the table can be set at different angles, a wheel threaded on said screw and resting on top of said base, balls arranged between said wheel and base, a polygonal shank projecting from said screw, a revoluble piece fitted to said base and engaging said shank, and means whereby said piece may be locked to the base or left free to revolve.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORGE L. MARSOLAIS.

Witnesses:
LOUIS W. SOUTHGATE,
M. E. REGAN.