Aug. 29, 1944. R. B. HEWITT 2,357,046

ADJUSTABLE STOOL CARRIAGE

Filed May 18, 1943 2 Sheets-Sheet 1

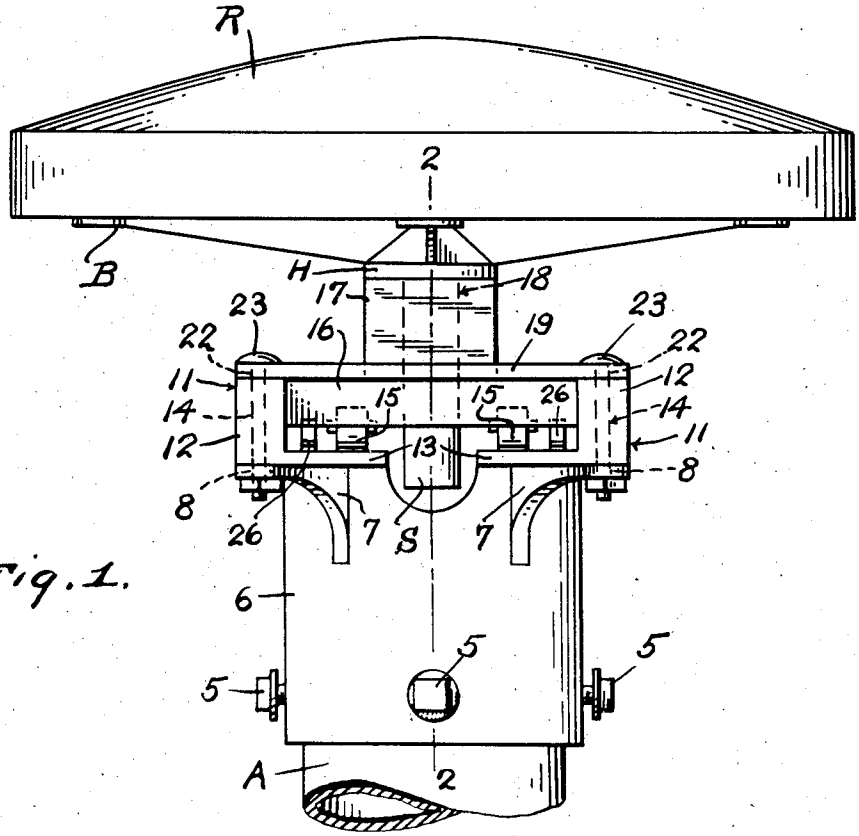


Fig. 1.

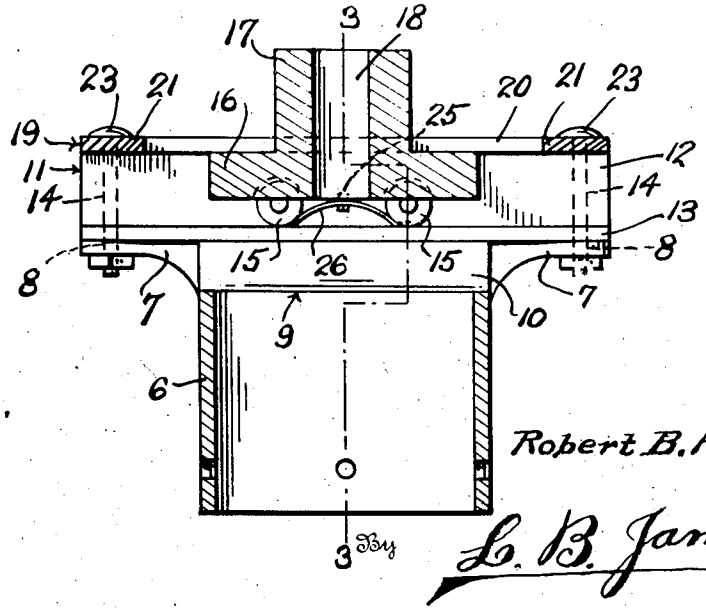


Fig. 2.

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Filed May 18, 1943 2 Sheets-Sheet 2

Fig. 3.

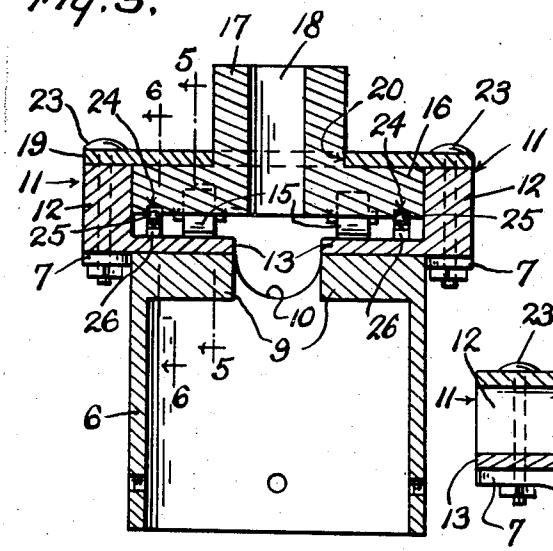


Fig. 5.

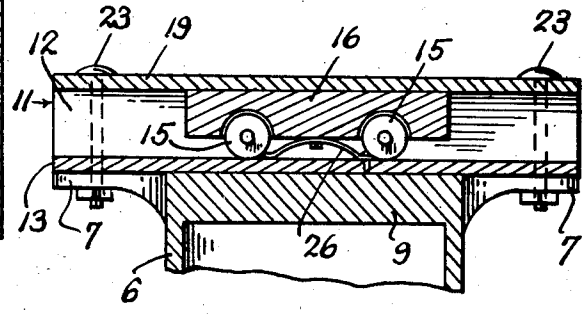


Fig. 4.

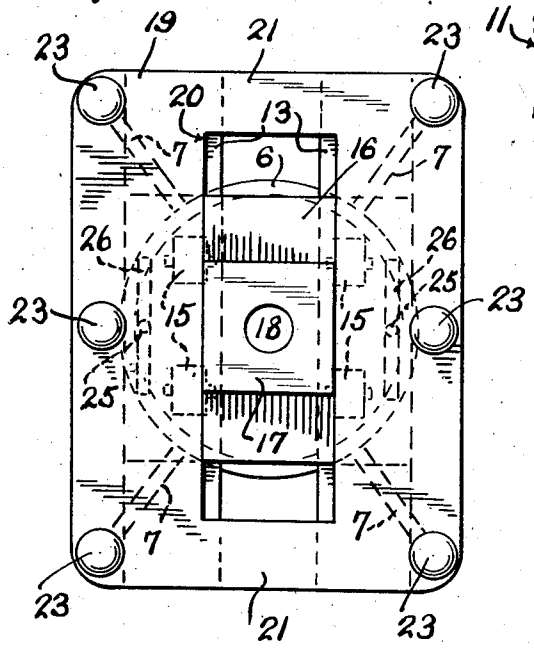


Fig. 6.

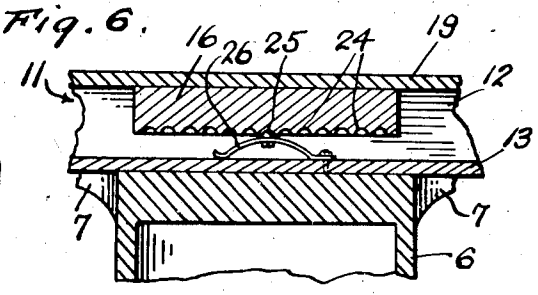
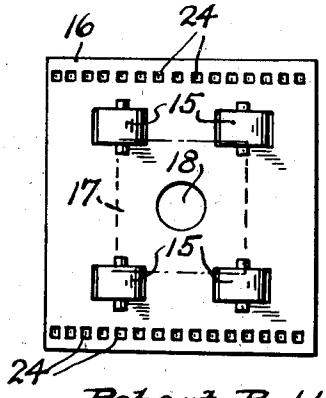


Fig. 7.



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UNITED STATES PATENT OFFICE

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ADJUSTABLE STOOL CARRIAGE

Robert B. Hewitt, Marysville, Calif.

Application May 18, 1943, Serial No. 487,514

1 Claim. (Cl. 155—115)

This invention relates to the official class of chairs and seats and more particularly pedestal stools.

The primary object of this invention resides in the provision of a stool supporting carriage adapted to slide on a horizontal plane in its support and be retained in a selected position relative thereto by friction locking means.

Another object of this invention resides in the particular construction of the housing for the stool supporting carriage.

A further object of this invention resides in the particular construction of the stool supporting carriage.

A still further object of this invention resides in the particular construction of the sleeve for supporting the stool carriage housing.

Aside from the aforesaid objects of this invention is the particular construction and arrangement of the frictional locking means for the stool supporting carriage.

One of the salient features of this invention is the particular construction and arrangement of the cap-plate on the housing.

With these and other objects in view this invention resides in certain novel features of construction and arrangement of elements to be hereinafter more fully set forth in the specification, illustrated in the accompanying drawings and pointed out in the appended claim and, while this disclosure depicts my present conception of the invention, the right is reserved to resort to such changes in construction and arrangement of elements as come within the spirit of the invention.

In the accompanying drawings forming a part of this application;

Fig. 1 is an end view of the housing and associated elements comprising this invention.

Fig. 2 is a sectional view thereof taken approximately on line 2—2 of Fig. 1.

Fig. 3 is a sectional view taken approximately on line 3—3 of Fig. 2.

Fig. 4 is a plan view of the housing and associated elements thereof.

Fig. 5 and 6 are sectional views taken approximately on lines 5—5 and 6—6 of Fig. 3.

Fig. 7 is a bottom view of the stool supporting carriage.

In the present illustration of this invention the letter A designates the upper portion of a pedestal support on which is secured, as by means of set-screws 5 or the like, a sleeve 6 formed on the outer periphery of which at its upper end is a plurality of radially extending brackets 7 having their outer portions apertured as indicated by the numeral 8, said sleeve having its upper end closed as indicated by the numeral 9 and provided with a slot 10 extending through the center of its closed upper end.

Mounted on the upper end of the sleeve 6 on opposite sides of the aforesaid slot therein are opposed L-shape bearing plates 11, the vertical walls 12 of which are considerably thicker than the horizontal walls 13 thereof and are provided with apertures 14 adapted to register with the aforesaid apertures 8 in the brackets 7.

Slidably disposed between the walls 12 of the bearing plates 11 and supported on the walls 13 thereof by sets of aligned anti-friction rollers 15 or the like is a carriage 16 having an upwardly extending substantially rectangular boss 17 formed thereon the same being provided with a perpendicularly disposed bore 18 to accommodate a stub shaft S extending from a bearing head H formed on a bracket B supporting a cushion R of any approved type.

Disposed on the vertical walls of the bearing plates is a cap-plate 19 having a centrally arranged elongated slot 20 therein adapted to slidably receive the aforesaid boss 17 formed on the carriage and, in order to limit the sliding movement of the carriage with the boss formed thereon, the ends of said slot are closed as indicated by the numeral 21. Formed in the cap-plate adjacent its edges are apertures 22 adapted to register with the aforesaid apertures 8 and 14 to accommodate bolts 23 for securing the sleeve, bearing plates and cap-plate together to form a housing for the slidable carriage.

Formed in the bottom surface of the carriage outwardly of and in parallelism with each set of anti-friction rollers is a plurality of aligned recesses 24 in which are yieldingly seated lugs 25 secured on leaf springs 26 or the like fastened on the horizontal walls of the bearing plates beneath and in alignment with said recesses by any suitable means.

Through the instrumentality of the aforesaid assemblage of elements, the stool may be adjusted on a horizontal plane simply by pushing it longitudinally of the housing and, when disposed in an elected position, the spring pressed lugs 25 on opposite sides of the carriage will seat in certain of the recesses and retain the carriage with the stool thereon against accidental sliding movement under normal conditions.

With this invention fully described, it is manifest means are provided whereby stools and the like may be easily adjusted on horizontal planes

and, through the simplicity of the assemblage of elements set forth, the cost of manufacture thereof will be sufficiently reasonable to warrant universal substitution of the invention for conventional stool pedestals without alterations.

Having thus described my invention, what I claim and desire to protect by Letters Patent is:

In a stool support of the character described comprising a pedestal, a sleeve receiving the upper end of the pedestal and resting thereon, said sleeve having an open slot extending through its upper surface, means securing the sleeve on the pedestal, radially extending brackets formed on the outer periphery of the sleeve at the top end and having apertures in their outer portions, opposed L-shape bearing plates resting on the aforesaid brackets in spaced relation on opposite sides of the slot in the sleeve, said bearing plates having apertures in their vertical walls registering with the apertures in the brackets, a carriage slidably disposed between the vertical walls of said bearing plates, aligned sets of anti-friction rollers bearing on the horizontal walls of the bearing plates and supporting the carriage, a cover plate resting on the vertical walls of the bearing plates and having an elongated slot with closed ends formed in its central portion and marginal apertures therein registering with the aforesaid apertures, bolts passing through the aforesaid apertures and securing the bearing plates and cap-plate to the sleeve, a substantially rectangular boss having a bore therethrough formed on the carriage and extending through the slot in the cover plate, frictional locking means secured to the bearing plates outwardly of each set of rollers and yieldingly engaging recesses in the bottom ofthe carriage, a stub shaft extending through the bore of the boss with its lower end disposed in the slot in the sleeve, a bearing head formed on the upper end of the stub shaft and seated on the upper end of the boss, a bracket formed on the bearing head and a cushion secured on the bracket.

ROBERT B. HEWITT.