

Jan. 2, 1951

M. L. JONES

2,536,503

POSTURE CHAIR PEDESTAL ADJUSTMENT

Filed Feb. 1, 1949

Fig. 1.

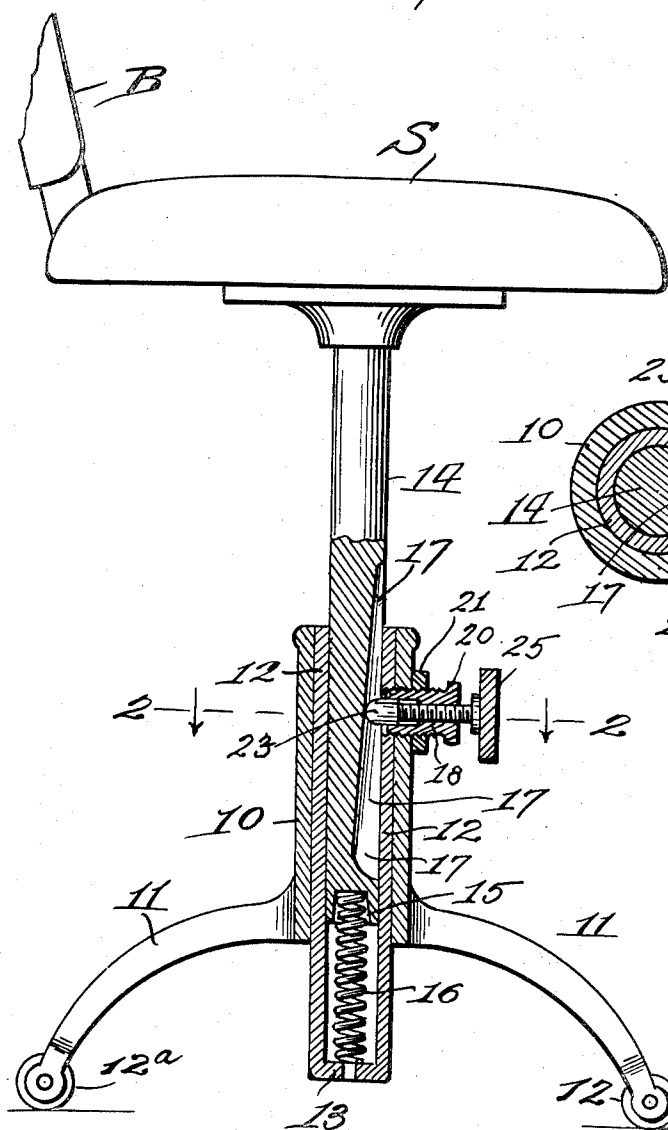
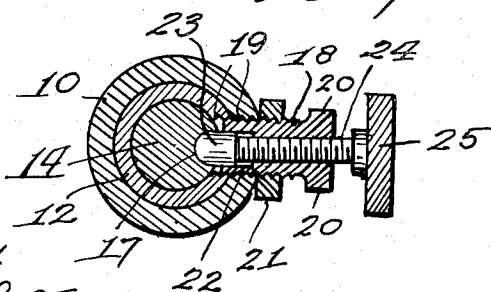


Fig. 2.



INVENTOR.

MORTON L. JONES.

BY

Martin P. Smith

ATTY.

UNITED STATES PATENT OFFICE

2,536,503

POSTURE CHAIR PEDESTAL ADJUSTMENT

Morton L. Jones, Glendale, Calif., assignor to
Hurley L. King, Pasadena, Calif.

Application February 1, 1949, Serial No. 74,038

1 Claim. (Cl. 155—94)

1

My invention relates to posture chair pedestals and has for its principal objects, to generally improve upon and simplify the existing forms of posture chair pedestals; further, to provide simple and efficient means for adjusting the pedestal vertically, so as to position the chair seat at the desired or proper height for the user, and, further, to provide simple and easily manipulated means for positively locking parts of the seat carrying members of the pedestal after vertical adjustment thereof.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts which will be hereinafter more fully described and claimed and illustrated in the accompanying drawing, in which:

Fig. 1 is a vertical section taken through the center of my improved pedestal.

Fig. 2 is an enlarged horizontal section taken on the line 2—2 of Fig. 1.

Referring by numerals to the accompanying drawing, which illustrates a preferred embodiment of my invention, 10 designates a vertically disposed tube, from the lower end of which projects radial legs 11, carrying casters 12a at the outer ends, which tube and legs constitute the base frame of the chair.

Fitting snugly within tube 10 is a tube 12, the lower end of which is closed by a perforated disc 13, and arranged for sliding adjustment in said tube 12, is a post or pedestal 14 carrying on its upper end a conventional seat S and chair back B.

The lower end of the pedestal is recessed as designated by 15, for the reception of a relatively stiff expansion coil spring 16, the lower end thereof resting on disc 13.

Formed in the lower portion of pedestal 14 is a longitudinally disposed groove 17, which gradually increases in depth toward its lower end.

An internally and externally threaded bushing 18 is screw-seated in registering threaded apertures 19 in tubes 10 and 12, and the outer end of said bushing is slightly enlarged and provided with wrench receiving faces 20.

A nut 21 is screw seated in bushing 18 and when screwed against tube 10, functions as lock nut for said bushing.

The inner end portion of the threaded base bushing 18 is slightly enlarged to form a non-threaded recess 22, and loosely seated therein, is a hardened metal plug 23 having a rounded forward end adapted to enter groove 17 in pedestal 14.

The bottom of groove 17 is rounded to conform with the rounded end of plug 23. A screw 24 is

2

seated in bushing 18 and the outer end of said screw carries a disc handle 25.

To adjust the seat carrying pedestal 14 to the desired height, screw 22 is unscrewed to relieve pressure on plug 23, wherefrom the pedestal and parts carried thereby will move upwardly under the influence of expansion spring 16, thus eliminating the necessity for exerting effort to lift said pedestal and seat, prior to subsequent adjustment.

After pedestal 14 has been moved downward to position seat S at the desired elevation, screw 24 is manipulated to force plug 23 into groove 17 and thereby lock said pedestal against upward movement with its downward movement being effectively prevented by the wedging effect between the inclined bottom of groove 17 and plug 23.

The depth of recess 22 enables plug 23 to be moved into said recess when pedestal 14 is inserted in tube 12, when the parts of the structure are assembled or taken apart. Thus, it will be seen that I have provided a posture chair pedestal adjustment which is simple in structure, inexpensive of manufacture and very effective in performing the functions for which it is intended.

Minor changes in the size, form and construction of the various parts of my improved posture chair pedestal adjustment may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claim.

I claim as my invention:

In a chair pedestal adjustment, a tubular base, a pedestal arranged for vertical adjustment in said base, said pedestal being provided with a longitudinal groove, a bushing seated in said base, a plug loosely seated in said bushing and adapted to enter the groove in said pedestal, a screw seated in said bushing for moving said plug into said groove and a lock nut, screw seated on said bushing.

MORTON L. JONES.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
621,354	Losee	Mar. 21, 1899
1,894,742	Harter	Jan. 17, 1933

FOREIGN PATENTS

Number	Country	Date
376,589	Great Britain	July 14, 1932