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C. J. SCHMITT

1,802,279

IRON BASE FOR TABLES

Filed Feb. 18, 1928

Fig. 1.

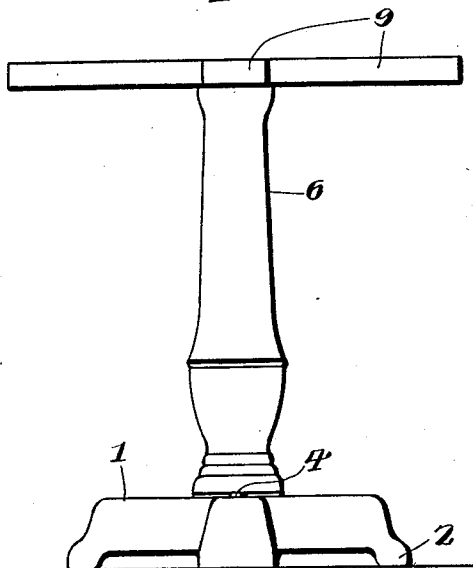


Fig. 2.

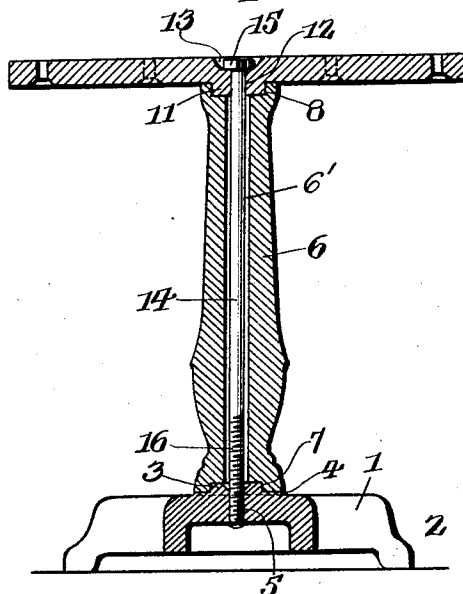


Fig. 3.

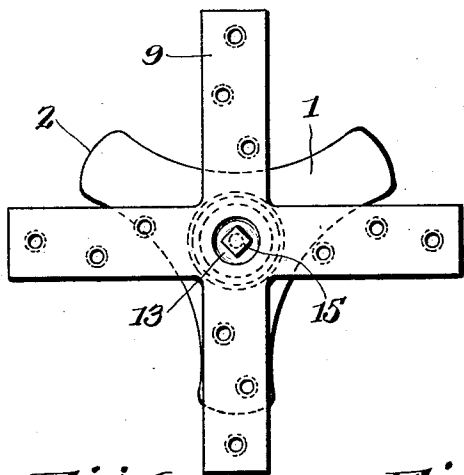


Fig. 4.

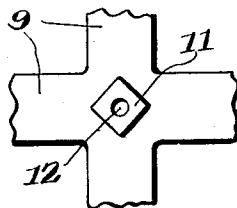


Fig. 5.

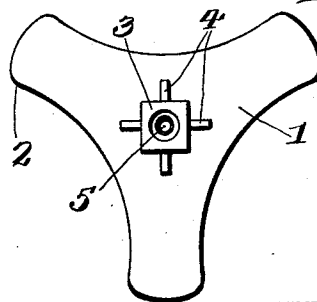


Fig. 6.

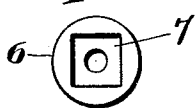


Fig. 7.



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IRON BASE FOR TABLES

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This invention pertains to tables and more particularly to the supporting structure of tables of the pedestal type.

One of the objects of my invention is the provision of a device of the aforementioned character which may, in a manner as hereinafter set forth, be quickly and easily assembled and disassembled.

Another object is the provision of a device of this character, wherein the elements thereof will be held against relative movement when same are secured in assembled position.

A further object of the invention is the provision of a device of this character which will be simple in construction, efficient in operation and which may be manufactured at low cost.

Other objects and advantages of the invention will be apparent from a study of the following specification, taken in connection with the accompanying drawings forming a part of this application, wherein:—

Figure 1 is a side elevation of the invention.

Figure 2 is a longitudinal cross section of the same.

Figure 3 is a top plan view.

Figure 4 is a fragmentary detailed bottom plan view of one of the elements of my device, and,

Figure 5 is a top plan view of the base portion of the invention.

Figure 6 is a detail top plan of one of the elements of the invention.

Figure 7 is a bottom plan of said element.

In the drawings the numeral 1 designates a supporting base of suitable material having a plurality of foot portions 2. Upon its upper horizontal face, and positioned centrally thereon, the base 1 is provided with a polygonal boss or protuberance 3 which may be integral with said base. Extending outwardly from the sides of boss 3, are a plurality of ribs 4 of less height than said boss 3. The base 1 and boss 3 are provided centrally with a threaded opening 5.

Positioned upon the base 1 is a pedestal or column 6, having a longitudinal bore 6' extending therethrough. The bore 6' merges,

at its opposite ends, into enlarged polygonal recesses 7 and 8, the recess 7 being of a size and shape to receive the boss 3 on base 1. When in this position, the lower end of column 6 will engage and rest upon the ribs 4.

Mounted upon the upper end of column 6 is an upper supporting element or spider comprising a plurality of radially disposed arms 9 having openings 10 adapted to receive fastening devices for the purpose of securing a table top (not shown) thereon. Upon the lower face of the upper supporting element and located centrally thereof, is a polygonal protuberance or boss 11, of a size and shape corresponding to that of recess 8 in column 6. The boss 11 may be an integral part of said upper element. The boss 11 and arms 9 are provided centrally thereof with an opening 12 which merges into a recess 13 on the upper side of arms 9.

The numeral 14 designates a securing rod having a head 15 on its upper end and threads 16 on the lower end thereof.

My device is assembled in the following manner:—

The tubular column 6 is positioned upon the base 1, the lower end thereof resting on ribs 4 on said base and the boss 3 entering the recess 7. The arms 9 are then positioned upon the upper end of the column 6, the boss 12 on said arms being vertically aligned with the boss 3 on base 1 and inserted in the recess 8 in the upper end of said column. The securing rod 14 is then passed through opening 12 in arms 9, through the bore of tubular column 6, and screwed into the threaded opening 5 in the boss 3 and base 1. When the head 15 of rod 14 engages the bottom of the recess 13 in arms 9, it will be apparent that a continued inward movement of rod 14 will draw base element 1, column 6 and arms 9 tightly together. The polygonal bosses 3 and 11 enter and coact with the corresponding polygonal recesses 7 and 8, thus preventing any relative rotary movement of elements 1, 6 and 9.

It will thus be seen that I have provided a structure which may be packed and shipped in knocked-down condition and which may

be expeditiously assembled by a consignee to present a very durable and rigid device.

It is thought that the many advantages of a device constructed in accordance with this invention can be readily understood, and although the preferred embodiment of the invention is as illustrated and described, it is to be understood that changes in the details of construction may be made which will fall within the scope of the invention as claimed.

What is claimed is:—

1. In a table, an apertured table top supporting element of cruciform shape, a base substantially triangular in form, said element having centrally of its upper face thereof a recess, a tubular pedestal interposed between said element and said base, the lower face of said element and the upper end of said pedestal having coacting interengaging means to prevent the shifting of the element relative to the pedestal, the lower end of said pedestal and the upper face of said base having coacting, interengaging means to prevent the shifting of the base relative to the pedestal, and headed means extending through said element and pedestal and threadedly engaging said base for coupling the latter, said pedestal and element together, the head of said means being seated in said recess.

2. In a table, a tubular pedestal having its upper end and its lower end formed with a polygonal shaped recess, a table top supporting spider mounted on the top of said pedestal and provided centrally of its lower face with a boss corresponding to the shape of and seated in said upper recess to prevent said spider from shifting relative to the pedestal, a base having centrally of its upper face a boss corresponding to the shape of and extending into said lower recess to prevent the shifting of the base relative to the pedestal, and a headed, threaded securing element extending through the spider and pedestal and having its lower end threadedly engaging in said base for coupling the latter, said pedestal and spider together.

3. In a table, a tubular pedestal having its upper end and its lower end formed with a polygonal shaped recess, a table top supporting spider mounted on the top of said pedestal and provided centrally of its lower face with a boss corresponding to the shape of and seated in said upper recess to prevent said spider from shifting relative to the pedestal, a base having centrally of its upper face a boss corresponding to the shape of and extending into said lower recess to prevent the shifting of the base relative to the pedestal, and a headed, threaded securing element extending through the spider and pedestal and having its lower end threadedly engaging in said base for coupling the latter, pedestal and spider together, the head of said securing element being seated in the upper face of said spider.

4. In a table, a tubular pedestal having its upper end and its lower end formed with a polygonal shaped recess, a table top supporting spider mounted on the top of said pedestal and provided centrally of its lower face with a boss corresponding to the shape of and seated in said upper recess to prevent said spider from shifting relative to the pedestal, a base having centrally of its upper face a boss corresponding to the shape of and extending into said lower recess to prevent the shifting of the base relative to the pedestal, and a headed, threaded securing element extending through the spider and pedestal and having its lower end threadedly engaging in said base for coupling the latter, said pedestal and spider together, and ribs on the upper face of said base, said ribs projecting laterally from and of less height than the sides of the protuberance on the base and abutting the lower end of the pedestal.

5. In a table, a tubular pedestal having its upper end and its lower end formed with a polygonal shaped recess, a table top supporting spider mounted on the top of said pedestal and provided centrally of its lower face with a boss corresponding to the shape of and seated in said upper recess to prevent said spider from shifting relative to the pedestal, a base having centrally of its upper face a boss corresponding to the shape of and extending into said lower recess to prevent the shifting of the base relative to the pedestal, a headed, threaded securing element extending through the spider and pedestal and having its lower end threadedly engaging in said base for coupling the latter, pedestal and spider together, the head of said securing element being seated in the upper face of said spider, and ribs on the upper face of said base, said ribs projecting laterally from and of less height than the sides of the protuberance on the base and abutting the lower end of the pedestal.

In testimony whereof, I affix my signature hereto.

CHARLES JOSEPH SCHMITT.