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R. A. McMASTERS
TUBULAR PEDESTAL BASE

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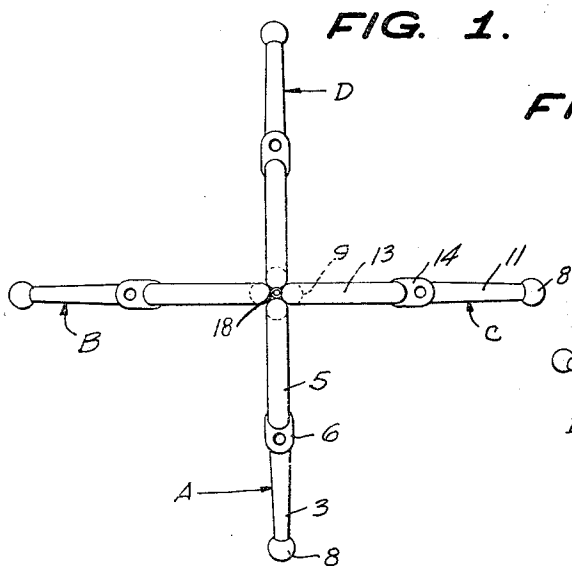


FIG. 3.

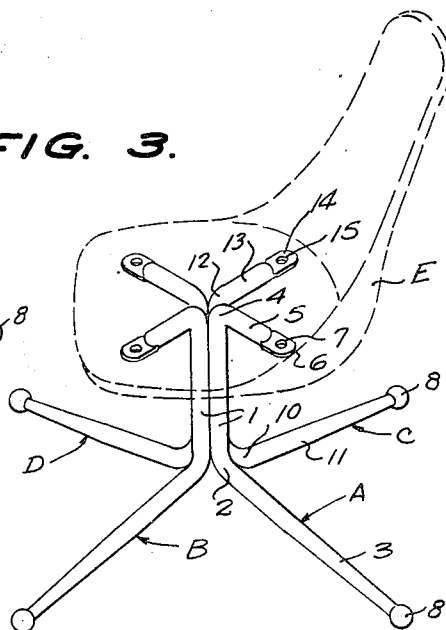


FIG. 2.

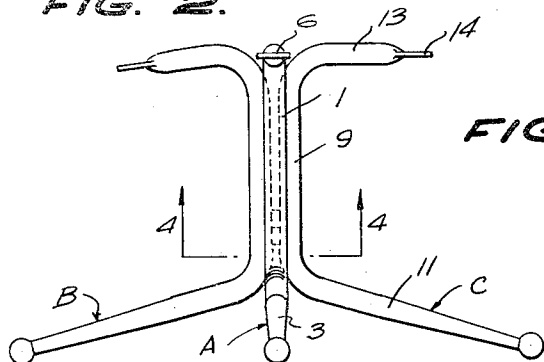


FIG. 5.

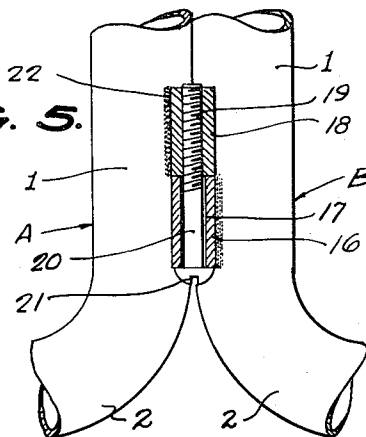


FIG. 4.

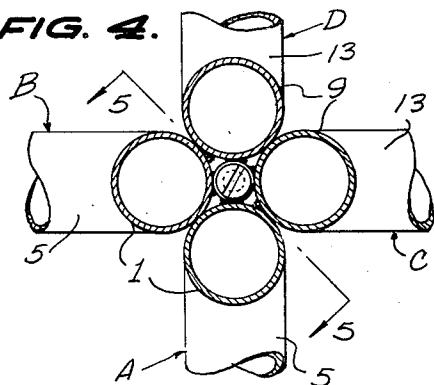
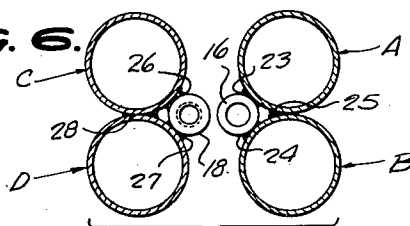


FIG. 6.



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TUBULAR PEDESTAL BASE

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3 Claims. (Cl. 248-159)

The present invention is concerned with an improvement in pedestal bases for furniture such as chairs and tables.

The principal object of the present invention is to provide a pedestal base to be used as the supporting element of furniture such as for example chairs and tables which provides a strong, non-tilting and attractive base which can be easily and economically produced from similar elements.

A further and important object of the invention is to provide a pedestal base readily attachable to seats, table tops or plastic chair shells which can be quickly and easily assembled from a pair of legs without requiring special knowledge or tools providing a solid unit and which legs can be nested for packaging and shipping considerably reducing the space required therefor.

Further objects of the invention will be in part pointed out and in part obvious from the following detailed description of the accompanying drawings, in which:

FIG. 1 is a top plan view of the present pedestal base.

FIG. 2 is a side elevation of said pedestal base.

FIG. 3 is a perspective view of said pedestal base with a plastic chair shell shown thereon in dotted lines.

FIG. 4 is an enlarged cross-sectional view taken on line 4-4 of FIG. 2.

FIG. 5 is also an enlarged cross-sectional view of a medial portion of said pedestal base taken on line 5-5 of FIG. 4.

And FIG. 6 is an exploded cross-sectional view of said pedestal base showing the leg sets thereof before being connected together.

Referring now more particularly to the accompanying drawing in which like and corresponding parts are designated by similar reference characters the pedestal base has four similar tubular legs A, B, C and D of which A and B are identical and C and D are identical.

Since legs A and B are identical only leg A is specifically described. Said leg A has a straight medial portion 1, with curved bent portion 2 connecting said medial portion to straight base end portion 3 so that said base end portion extends on an obtuse angle to said medial portion. The opposite end of said medial portion is connected by a curved bent portion 4 to a straight top end portion 5 so that said top end portion 5 extends approximately at right angles to medial portion 1.

The tip end 6 of end portion 5 is flattened and has an opening 7 therethrough.

Ball 8 has a radial opening (not shown) into which extends the tip end of base end portion 3.

Legs C and D being identical only leg C is described. Said leg C has a straight medial portion 9 connected at one end by a bent curved portion 10 to a straight base end portion 11 with a ball 8 mounted on the tip end thereof. The opposite end of medial portion 9 is connected by bent curved portion 12 to straight top end portion 13 which has a flat tip end 15 through which extends an opening 15.

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Legs A and C are identical except that bent curved portion 4 is shorter than the bent curved portion 12. For example bent curved portion 4 can extend longitudinally through an angle of $87^{\circ}45'$ while bent curved portion 12 extends through an angle of 98° . Thus medial portion 1 extends slightly above normal to end portion 5 while medial portion 9 extends slightly below normal to end portion 13 making the distance between tip 6 and ball 8 of leg A slightly less than the distance between tip 14 and ball 8 of leg C. For example a difference of one-sixteenth of an inch.

Legs A and B are positioned with their medial portions 1 abutting with end portions 3 extending at right angles to one another and the medial portions 1 welded together along their length.

Similarly legs C and D are positioned with medial portions 9 abutting with end portions 11 extending at right angles to one another and the medial portions 9 welded together along their length.

A tube 16 has a smooth bore 17 and is positioned against and between the peripheries of legs A and B extending longitudinally thereof adjacent bent portions 2.

A tube 18 has a threaded bore 19 and is positioned against and between the peripheries of legs C and D extending longitudinally thereof. Tube 18 is spaced from bent portions 10 of legs C and D a distance approximately equal to the length of tube 16.

Tube 18 can be mounted on top of tube 16 extending in line therewith as best shown in FIG. 5 so that the medial portion 1 of leg A abuts medial portion 9 of leg C and the D whereupon bolt 20 is inserted in bore 17 and its threaded end 22 is placed in threaded engagement with bore 19. Said bolt has a head 21 larger than said bores whereby rotation of bolt 20 causes tubes 16 and 18 to be brought together in close end to end relationship fastening said legs into the pedestal base.

As shown in FIG. 6 tube 16 is welded by welds 23 and 24 to legs A and B respectively while weld 25 joins said legs. Similarly tube 18 is welded by welds 26 and 27 to legs C and D respectively while weld 28 joins said legs C and D.

Said pedestal base can be used for supporting table tops, chairs and the like and by way of example only, there is shown in FIG. 3 a conventional plastic or fiberglass chair shell E having its seat F mounted on the tips 6 and 14 of said pedestal base to be attached thereto by screws or the like (not shown) extending through openings 7 and 15 into said seat. However it is to be appreciated that other types of chair seats, table tops or the like can equally as well be mounted on said pedestal base.

Legs A to D, inclusive can be identical or have the lengths of bent curved portions 4 and 12 varied to meet the configuration of the chair, seat or table top to be mounted thereon. Said legs can be formed of a solid or tubular material such as wood, plastic or metal and are preferably formed from tubular steel. Tubes 10 and 18 can likewise be of wood, plastic or metal and are preferably of the same material as the legs to which they are attached. In the case of wood or plastic said legs and tubes can be joined by a suitable adhesive such as an epoxy in lieu of welding.

When leg pairs A and B and C and D are not connected by bolt 20 they can be nested together and with similar leg pairs for economy and space saving for packaging and shipping purposes. That is leg pair A and B

can be placed between end portions 11 and 13 of leg pair C and D and other similar leg pair superimposed thereon greatly reducing the space required therefor. To assemble the pedestal base it is only necessary to position the leg pairs as shown in FIGS. 1 to 4 and insert and tighten bolt 20 in tubes 16 and 18 by inserting a screwdriver in head 21 and turning. Thus the assembly or disassembly of the pedestal base can be simply and quickly accomplished.

The present device is capable of considerable modification and such changes thereto as come within the scope of the appended claims is deemed to be a part of the invention.

I claim:

1. A furniture pedestal base comprising a plurality of similar tubular legs, said legs each having a straight medial portion and end portions extending on an angle therefrom, said legs further each having the medial portion thereof fixedly joined to and abutting the medial portion of a second leg forming leg pairs, a tube fixedly mounted on and between the medial portions of one of said leg pairs and extending longitudinally thereof, a second tube fixedly mounted on and between the medial portion of a second of said leg pairs and having a threaded bore, said second tube having one end superimposed on one end of said first tube, and a headed and threaded member extending through said first tube bore and being in threaded engagement with said second tube bore detachably retaining said tubes in end to end engagement.

2. A furniture pedestal base comprising a plurality of similar tubular legs each having a straight medial portion and end portions extending in the same plane and each at an angle to said medial portion, each of said legs having its medial portion abutting and fixedly connected to the medial portion of a second of said legs forming a leg pair with the similar end portions of said connected legs diverging from one another, a plurality of superimposed tubes each fixedly mounted on one of said connected pair of legs and extending longitudinally thereof and of one another, and means detachably connecting said tubes together in end to end relationship with the medial portions of both said leg pairs being in abutment.

3. A furniture pedestal base as claimed in claim 2 wherein one of the corresponding end portions of said legs are extended and have openings for attaching members of a piece of furniture mounted on said end portions.

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