Dec. 8, 1964 R. E. LEE 3,160,382

PEDESTAL FOR CHAIRS

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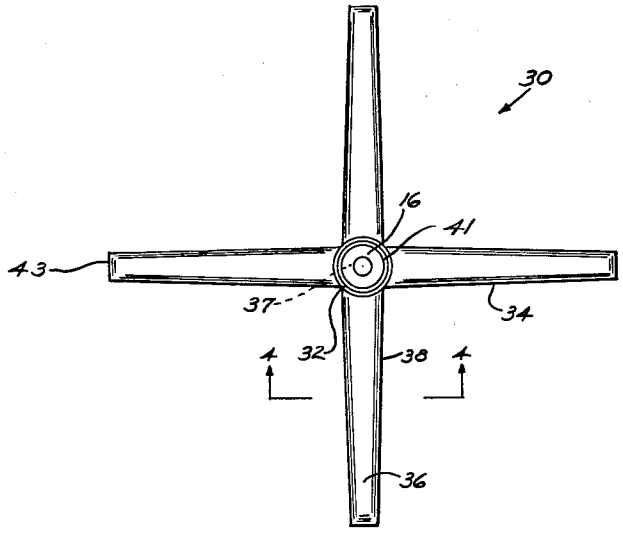


FIG 1

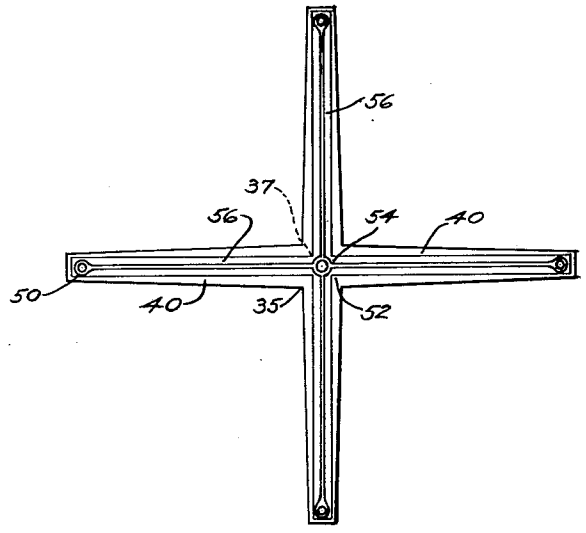


FIG 2

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PEDESTAL FOR CHAIRS

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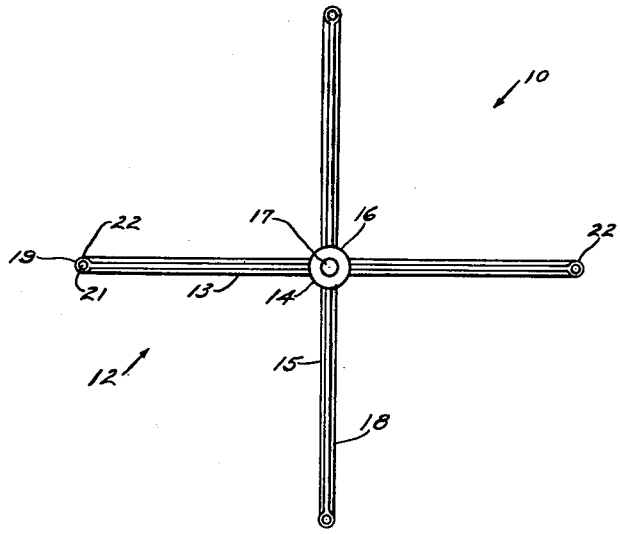


FIG 3

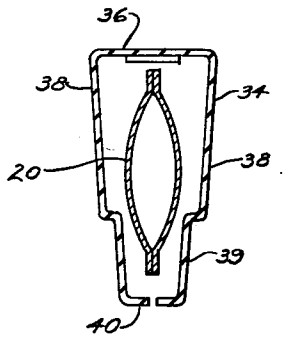


FIG 4

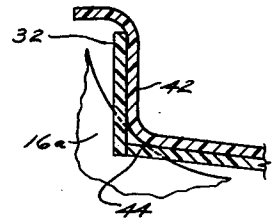


FIG 5

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PEDESTAL FOR CHAIRS

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3 Claims. (Cl. 248—188.7)

This invention relates to a base for swivel chairs, stools and the like.

It is an object of this invention to provide a base for swivel chairs comprising four elements which are easily assembled.

It is another object of this invention to provide a covering for a base for swivel chairs which completely encases the base.

It is another object of this invention to provide a cover for the base of swivel chairs which is easily mounted on and demounted from the base.

It is a further object of this invention to provide a base for swivel chairs which is strong but still present a neat appearance.

It is still another object of this invention to provide a chair base in which a basic all steel base can be changed in style and appearance by the simple addition of covers of different styles and appearances.

It is yet another object of this invention to use a chair base which is easily adapted by the addition of covers to provide a number of styles of bases which reduces the inventory of steel tubing.

It is still yet another object of this invention to provide a low cost all steel base.

Other and further objects of the invention will become apparent from the drawings, detailed description and the annexed claims.

In the drawings:

FIGURE 1 is a top plan view of the assembled cover and base for swivel chairs.

FIGURE 2 is a plan view of the bottom of the assembled cover and base for a swivel chair.

FIGURE 3 is a top plan view of the base for a swivel chair.

FIGURE 4 is sectional view taken on line 4—4 of FIGURE 1 disclosing the construction of one of the legs of the cover and the construction of one of the legs of the base.

FIGURE 5 is a detailed view of the collar of the cover disclosing the interfit between the cover and base for the swivel chair.

The embodiment of my invention illustrated comprises a base **10** which is of spider or cruciform shape. Four angular elements **12** and a portion **14** are welded to each other to form a central portion **16** and four legs **18** extending radially therefrom. Each element **12** consists of leg elements **13** and **15** of bow shape as seen at **20**. Each leg element **13** and **15** has a caster socket member **19** provided with a semi-circular hole **21** and when the leg elements **13** and **15** of the adjacent angular elements are secured together, caster sockets **22** are formed for carrying appropriate casters (not shown). The central portion **16** of the base **10** is provided with a spindle socket **17**. The base **10** is preferably of strong metal.

The cover **30** is preferably formed of a suitably hard plastic and may be of various colors, shapes and styles. The cover **30** is designed to completely encase the base **10** and may quickly and easily be mounted on and demounted from the base **10**. The cover **30** comprises a circular collar number **32**. Four hollow legs **34** radiate from the collar **32**. Each leg **34** is substantially rectangular, in cross section, see FIGURE 4, and comprises a top wall **36** formed to extend downwardly at a suitable slant in direction toward their outer ends, an end wall **37**, opposed side walls **38** and a bottom wall **40**. The top wall **36** of the legs **34** have an upstanding flange **42** at their inner ends which are suitably attached to the collar **32**. Each leg **18** of the base **10** is provided with an ear portion **16***a* which fits into spaced notches **44** in the collar **32** when the base **10** is mounted in the cover **30**.

The inner ends of hollow legs **34** are secured together at their meeting edges as at **35** forming a central hollow chamber **37**. An opening **41** is provided in the collar **32** for communicating with the hollow chamber **37**.

The bottom walls **40** of the legs **34** of the cover **30** are provided with an aperture **50** adjacent their outer ends. The bottom walls **40** of legs **34** are each provided wtih a segmental portion **52** at their inner ends and an aperture **54** is formed centrally of the segments **52**. A longitudinally extending slit **56** in the bottom walls **40** of the legs **34** of cover **30** connects the aperture **50** with the central aperture **54**.

The legs **34** of the cover **30** are each provided with indented portion **39** adjacent their bottom walls for styling the legs **34**.

When it is desired to mount the cover **30** on the base **10**, the central opening **54** in the segmented portion **52** is spread open and the upper portion of the spindle member **16** is inserted into the opening **54** and pushed into the chamber **37** and through the opening **41** in collar **32** until the flanges **16A** are received into the notches **44** thereof which holds the base **10** in a fixed position therein. As the spindle member **16** is being entered into the chamber **37**, the legs **18** of the base **10** are entering through the slits **56** in the bottom walls **40** of legs **34** into the hollow legs **34**. The apertures **50** in outer ends of the walls **40** of legs **34** of cover **30** provide means for receiving the caster sockets so that the casters can be mounted in the caster sockets **22**. The spindle socket **17** is mounted at the upper end of the collar **32** so that the spindle of a chair can be mounted therein. Suitable means can be secured over the slit **56** in the walls **40** of the legs **34** of the cover **30** for aiding in holding the base **10** in the cover **30** such as detachable arms, not shown.

The base **10** can be easily removed from the cover **30** by means of the central opening **54** in the segments **52** at the inner ends of the walls **40** of legs **34** and the slits **56** in the bottom walls **40** of the legs **34** of cover **30**.

If desired the base **10** can be used alone with a swivel chair. When the base **10** is used without a cover, a chromium strip can be mounted over the top of leg **18** and extended over the outer ends of the legs **18**. The cover **30** can be assembled on the base **10** for changing the appearance of the base **10**. The cover **30** can be made in different styles, shapes and colors to provide multiple types of bases for swivel chairs. Thus the all steel base **10** by use of different styles of covers lowers the cost of chair bases and also reduces the need for carrying heavy inventory of steel tubing. The covers **30** may be made of one element to at least eight elements. The cover **30** may be so constructed to permanently encase the base **10**.

Without further description it is thought that the features and advantages of the invention will be readily apparent to those skilled in the art, and it will of course be understood that changes in the form, proportion and minor details of construction may be resorted to without departing from the spirit of the invention and scope of the appended claims.

I claim:

1. A base for swivel chairs comprising a central portion provided with a spindle socket, a plurality of legs extending radially from the central portion of the base, a cover having a central chamber provided with an upper

and lower opening for receiving the central portion of the base, a plurality of hollow legs extending radially from the central portion of the cover, the legs of the cover provided with slot means communicating with the lower opening for the central chamber whereby the radiating legs of the base can be inserted into and withdrawn from the hollow legs of the cover.

2. A base for a swivel chair comprising a central portion provided with a spindle socket, a plurality of legs extending radially from the central portion of the base, a cover for the base comprising a central chamber for receiving the central portion of the base, a plurality of hollow legs radiating from and communicating with the central chamber of the cover, each of which consists of a top wall, opposed side walls, a lower wall, and an outer end, the lower wall of each leg of the covering provided with an aperture at its outer end and the inner end of the bottom wall of the legs of the covering provided with an aperture, communicating with the central chamber of the cover, the bottom wall of each leg of the covering provided with a longitudinal slit connecting the aperture in the outer end of the bottom wall of each leg with the aperture at the inner end of the bottom wall of

the plurality of legs of the covering whereby the base member including the central portion and its radiating legs can be inserted into and withdrawn from the central portion of the cover and the hollow legs respectively of the cover.

3. A base for a swivel chair comprising a central portion provided with a spindle socket, a plurality of legs extending radially from the central portion of the base, each of the legs of the base formed of opposed side walls of bowed shape having its greatest diameter at its central portion and gradually tapering to its smallest diameter at its opposite ends, a cover for the base comprising a central chamber for receiving the central portion of the base, a plurality of hollow legs radiating from and communicating with central chamber of the cover for receiving the legs of the base and completely encasing the legs of the base.

References Cited in the file of this patent

UNITED STATES PATENTS

2,350,399	Jones	June 6, 1944
2,992,803	Good	July 18, 1961