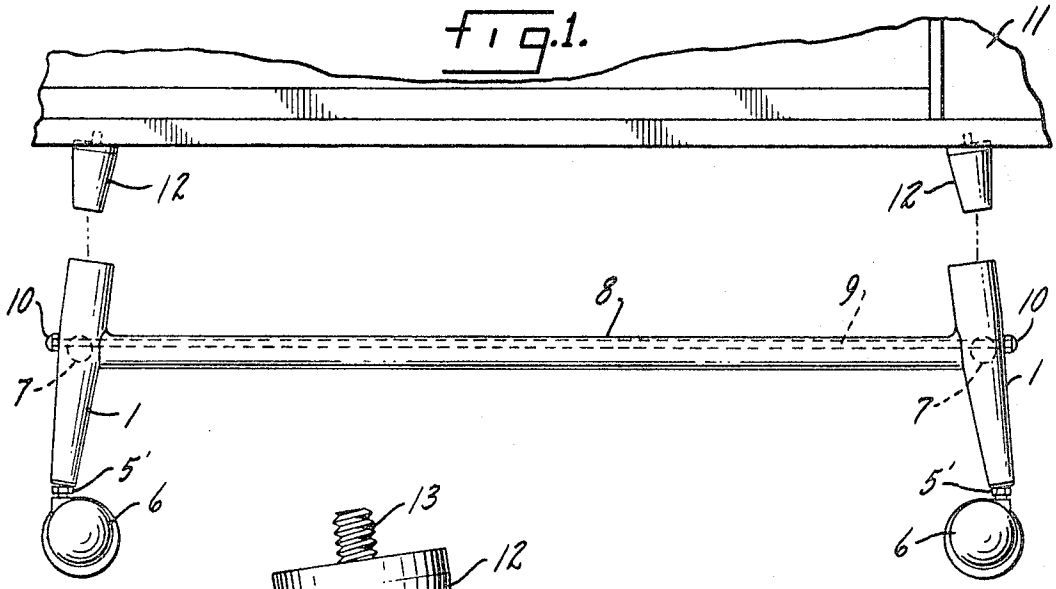
Sept. 2, 1969 W. P. MYERS 3,464,662

MOBILE TV STAND

Filed Aug. 4, 1967

Fig. 1.



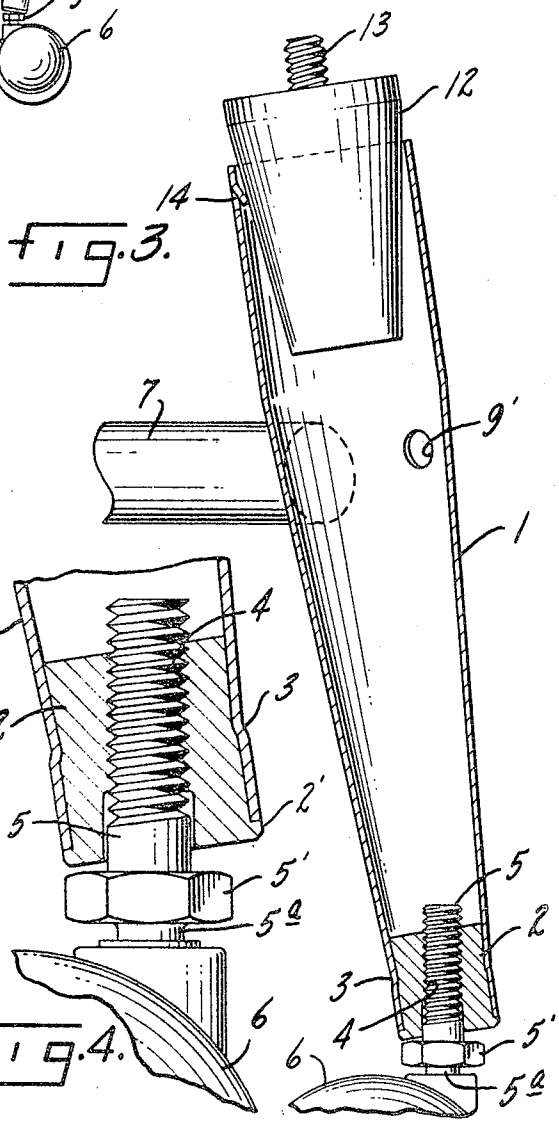


Fig. 3.

Fig. 4.

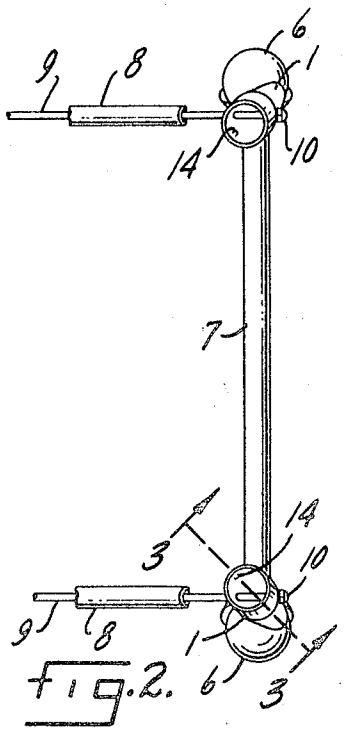


Fig. 2.

INVENTOR.
Walter P. Myers,
BY
W. J. Kelley
Attorney.

United States Patent Office

3,464,662
Patented Sept. 2, 1969

3,464,662

MOBILE TV STAND

Walter P. Myers, River Forest, Ill.
(2958 W. Carroll St., Chicago, Ill. 60212)

Filed Aug. 4, 1967, Ser. No. 658,563
Int. Cl. F16m 11/16, 11/20
U.S. Cl. 248—188 1 Claim

ABSTRACT OF THE DISCLOSURE

A base for cabinets in which the relatively spaced tubular legs thereof are outwardly inclined and are relatively fixedly interconnected by end and side members, the latter being tubular and receiving connecting rods therethrough, the extended ends of which are engaged through adjacent legs and secured thereto; the lower ends of each of the inclined legs fixedly receiving bushings therein having longitudinally substantially central bores disposed substantially perpendicularly to a horizontal receiving surface and receiving the pintles of casters, and the upper ends of the legs receiving tapered cabinet attached feet.

This invention relates to improvements in mobile bases or stands, more particularly, to devices of this character applicable to and for use in receiving and supporting various forms of cabinets, as for example, television receiving set cabinets, where it is at times desirable to move the same to different locations or positions within a room or other area, and to the construction and assembly thereof.

I am aware that various forms and types of mobile bases or stands for cabinets and similar articles of furniture exist in the prior art. Many, however, require modification and in some instances, structural changes in the cabinet or article are detractive of its design or style, while others are limited in the extent of their adaptation, being useable in or on but a single type of cabinet; still others, while not detractive of design or style, being lacking in support security and effectiveness. In view of this background of the art and the need for advance briefly touched on above, my invention has been developed.

A principal object of the invention is to provide a base or stand which is especially advantageous for firmly, securely and levelly receiving and supporting originally leg equipped cabinets for television receiving sets, and at the same time, permit them to be conveniently and easily moved to desired and/or different room area locations or positions.

Additionally, it is an important object of the invention to provide a base of the indicated kind which can be adapted to a television or other type of cabinet with but a minimum of effort, without detracting from its design or esthetics or affecting its support security, yet rendering the equipped cabinet conveniently and readily mobile.

It is also an object of the invention to provide a base or stand of the indicated character whose structural components are capable of being rapidly assembled and this, for economies, being capable of accomplishment by substantially unskilled labor, thus effecting a material saving in production and sales costs.

The ultimate object of the invention, therefore, is to provide a mobile base or stand which can be economically produced, can be practically and advantageously adapted to various styles or types of cabinet furniture (television receiving set cabinets included), and when so adapted, afford firm, secure and level support thereof plus accentuating their effective use and esthetics.

These and other objects of the invention will become apparent from the following description when read in connection with the appended claim and accompanying drawings.

In said drawings:

FIGURE 1 is a side elevation of my improved mobile stand and a fragment of the lower portion of a cabinet to be received on and supported thereby, the cabinet being provided with bottom equipped tapered feet adapted to be received in the open upper ends of the tubular legs of the stand.

FIGURE 2 is a fragmentary top view of one end portion of the mobile stand in which portions (fragmentally shown) of the tubular frame side members are shown on end portions of connecting rods engaged with and connected to the spaced tubular legs prior to their securing to said legs.

FIGURE 3 is an enlarged section taken on the line 3—3 of FIGURE 2 looking in the direction in which the arrows point showing, in particular, its form and construction, and

FIGURE 4 is an enlarged detail in longitudinal section of the swivel mounting of one of the casters in the leg received bushing.

Referring in detail to the drawings, the invention comprises a frame, preferably of quadrangular form, including relatively spaced and substatnially vertically disposed through outwardly inclined downwardly tapered tubular legs 1 of like form and size constituting the four corners of the frame. The lower end of each leg has a bushing 2, annularly flanged on and about its lower end, as at 2', snugly and fixedly engaged therein, the flange being bearingly seated on the leg lower end and the lower portion of said leg being swaged inwardly, as at 3, to form an internal shoulder thereabout (see FIGURE 3) whereby to assure a bindingly firm and/or fixed connection with said bushing, as aforesaid.

A screw-threaded bore 4 is formed in and longitudinally throughout the bushing, being effected in a manner whereby it is disposed at an angle to its perpendicular axis and, of course, opening onto its bottom.

To swivelly mount a caster with respect to the leg lower end, particularly, in the bushing 2 fixedly received therein, as above described, an externally screw-threaded stem fitting 5 enlarged and multi-sided, as at 5', is provided. A pintle 5a is formed upon or otherwise fixed to and extended from the stem lower end and has a suitable type of caster 6 pivotally or swivelly mounted thereon. Vertical adjustment of the leg with relation to the caster may, if desired or required, be effected by engaging a wrench or other appropriate tool with the stem multi-sided portion 5' and turning it in the screw-threaded bore 4. Hence, the stand can be raised, lowered or leveled with relation to a supporting surface by and upon the rotating of the fittings 5 in the proper direction.

Whereas I have shown a preferred type of caster, it will be understood that other types may be used, as conditions or preference may dictate.

Tubular end members 7 of corresponding lengths and diameters are positioned transversely between the endwise paired legs 1 and end welded to each at like heights, while to effect secure and stress resistant connection therebetween, other and corresponding lengths of tubular side members 8 are longitudinally positioned between the longitudinally opposed legs 1 with their ends in abutting engagement therewith at corresponding heights. Connecting and reinforcing rods 9 of lengths greater than said side members are engaged therethrough and, as shown in FIGURES 1 and 2 of the drawings, are passed diametrically and snugly through adjacent legs 1 via openings therein, such as indicated by the numeral 9'. Nuts 10 (cap or otherwise) are threadedly engaged with the rod extended ends, thus effecting a secure and firm interconnection, completing the frame assembly.

In order that the cabinet which is shown fragmentally in FIGURE 1 of the drawings and identified by the numeral **11** may be firmly received upon and supported on the improved stand, the usual legs (not shown) ordinarily provided thereto are removed and replaced, by or with comparatively short downwardly tapered legs **12** having screw-threaded pins **13** anchored in and extending above and beyond medial portions of the upper ends, as clearly shown in FIGURE 3. The screw-threaded pins **13** are turned into already provided screw-threaded openings in the cabinet bottom. Being so attached, they are engaged in the open upper ends of the legs **1**, again as shown in FIGURE 1 of the drawings.

To effect firm engagement and/or retention of said legs **12** in the legs **1**, I may and preferably do strike an ear or spur **14** inwardly from the upper portion of each. Hence, with engagement of the cabinet attached legs **12** in the legs **1**, said ears or spurs **14** are engaged with adjacent portions thereof and so, firmly though detachably secure the same.

The invention may be embodied in other specific forms without departing from the spirit or essential characteristics thereof.

I claim:

1. A cabinet receiving and supporting base, comprising in combination:

(a) relatively outwardly inclined tubular legs;

(b) substantially rigid end members between and connected at their opposite ends to the legs;

(c) substantially rigid tubular side members between and in endwise contacting relation to and with said legs in angular relation to the end members;

(d) rods received within and extending beyond the opposite ends of the side members engaged through adjacent portions of the adjacent tubular legs and their outer ends connected to the outer sides of said tubular legs applying relatively inward and bracing pull to their respective and opposed connected outwardly inclined legs;

(e) cabinet bottom attachable legs receivable in the open upper ends of the tubular legs;

(f) an inwardly disposed spur on the upper portion of one sidewall of each of said tubular legs anchoringly engageable with the cabinet bottom legs received therein;

(g) bushings fixedly engaged in the open lower ends of the legs, each having a downwardly opening bore therein disposed at an angle perpendicular to a horizontal receiving and supporting surface, and,

(h) casters, the pintles of which are snugly engaged in said bores with the treads of the rollers parallel to a horizontal receiving and supporting surface.

References Cited

UNITED STATES PATENTS

1,636,912	7/1927	Johnson	248—188
2,499,277	2/1950	Nalle	16—19
2,527,603	10/1950	Wallance	248—188.8
2,842,417	7/1958	Scanlon	248—188.8
2,973,982	3/1961	Elting et al.	248—188
3,063,765	11/1962	Huff	248—188.8
3,106,434	10/1963	Buffington	248—188.8
3,332,651	7/1967	Fleischhauer	248—146

FOREIGN PATENTS

874,952	4/1953	Germany.

FRANCIS K. ZUGEL, Primary Examiner

U.S. Cl. X.R.

248—188.1, 188.4, 188.8