Sept. 19, 1933. H. S. BEST 1,927,010

DISPLAY FIXTURE

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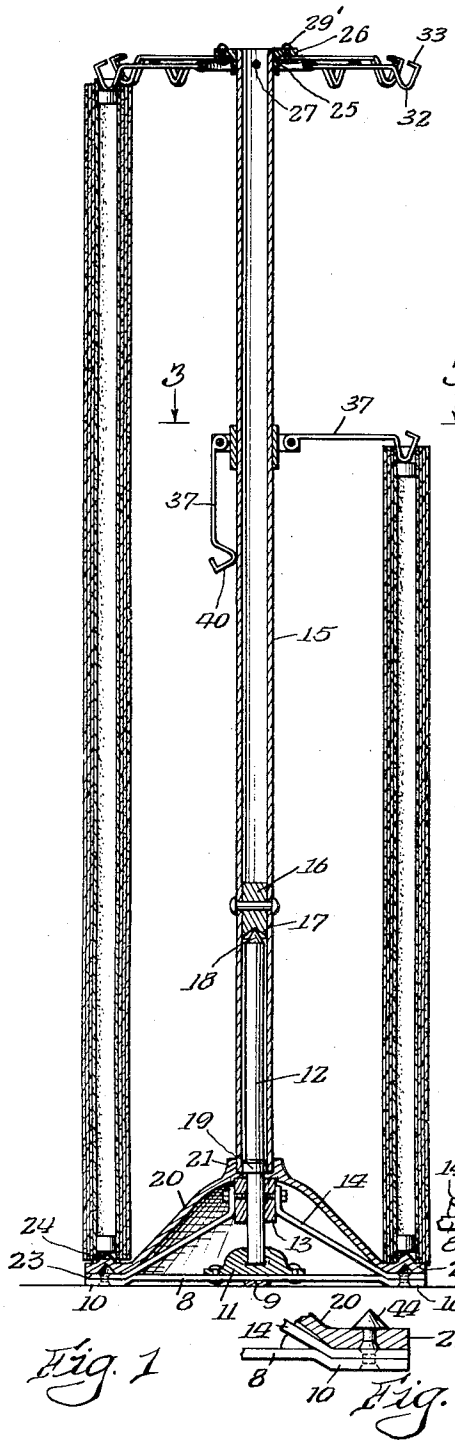


Fig. 1

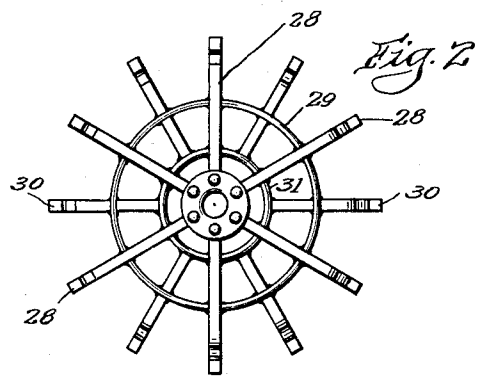


Fig. 2

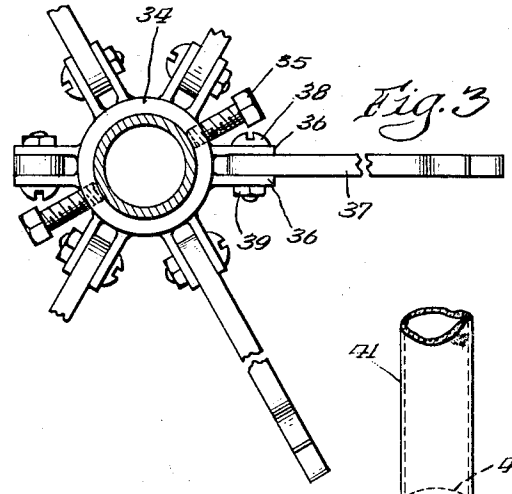


Fig. 3

Fig. 5

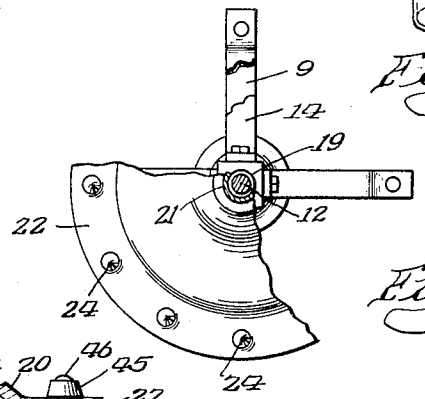


Fig. 4

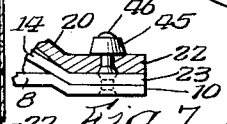


Fig. 7

Fig. 6

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DISPLAY FIXTURE

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6 Claims. (Cl. 211—44)

This invention relates to display fixtures and more particularly to a display fixture adapted to be used in connection with floor coverings such as, for example, felt-base hard-surface floor coverings. Floor coverings of this character are wound upon tubes and have a sheet of protecting material, such as heavy paper, wound therewith, an extension of this protecting material being wound about the floor covering after it has been wound upon the tube. It is customary to tear away a portion of this extension of the protecting material to reveal the surface of the floor covering in order that the pattern may be displayed to facilitate selection. These floor coverings are usually stood on end for the purpose of display and, among the salient objects of my invention are to provide a display fixture or rack on which the floor covering may be arranged in a vertical position, and to provide a rack which will be arranged for facile rotation in order that different floor coverings, or the like, thereon may be easily moved into proper position.

Other objects of the invention are to provide a rack on which floor coverings of different sizes may be displayed, and one which will be of simple and economical construction, and which will have a sufficient but not excessive base area so that the rack will be held in position.

A selected embodiment of the invention is illustrated in the accompanying drawing, and therein:

Fig. 1 is a vertical sectional view of the display rack forming my invention;

Fig. 2 is a top plan view of the upper portion of my display rack;

Fig. 3 is a sectional view taken substantially on the line 3—3 of Fig. 1;

Fig. 4 is a view, partly in elevation and partly in section, showing the lower portion of my display rack;

Fig. 5 is a fragmental perspective view of one end of a tube on which felt-base hard-surface floor coverings are usually wound; and

Figs. 6 and 7 are sectional detail views of modifications of a portion of the construction.

Referring to the drawing, 8 indicates one leg member and 9 the other leg member of the spider forming the base for my device, these leg members extending substantially at right angles to each other. The member 9 rests on the surface to support the rack and the member 8 is extended thereacross, said member 8 including at the ends thereof foot portions 10 which rest on the same surface as the member 9. At the intersection of the leg members 8 and 9 a socket member 11 is secured, into the socket of which, one end of a spindle 12 is extended and secured. On this spindle 12, spaced above the socket member 11, is a collar 13, and angularly extending braces 14 are extended between this collar 13 and the outer ends of the leg members 8 and 9, said braces having the ends thereof suitably secured, and it will thus be seen that the spindle 12 is rigidly held in vertical position. The standard 15 of my display device is, in the present instance, a hollow tube and, secured in this tube in spaced relation with what is to be the lower end thereof, is a block 16 having a conical seat 17 at on end thereof. The upper end of the spindle 12 is of conical formation as indicated at 18 and, preferably, the angularity of the conical portion 18 is less than the angularity of the conical seat 17 in order that clearance will be provided therebetween, and in order that a point suspension will be provided. On the spindle 12, above the collar 13, is a ferrule 19 and the lower end of the standard 15 is fitted over this ferrule and is guided thereby to be held in vertically extending position for rotation about the point suspension thereof. A dish-shaped base member 20 is provided having a neck portion 21 disposed about and connected to the lower end of the standard 15, said dish-shaped base member being arranged in inverted position. The rim 22 of the dish-shaped base member 20 is disposed above the ends of the leg members 8 and 9, and is intended to be connected in position so that it will not contact with the foot portions 23 of the braces 14 that are connected to the ends of the leg members 8 and 9. At uniformly spaced points the rim 22 is dished to provide substantially cone-shaped bosses 24 which, when the base member is arranged in position, extend upwardly, as illustrated in Fig. 1. At the upper end of the standard 15 a collar 25 is secured which includes a flange 26, said collar being secured in position by a set screw 27. Holders 28 are provided, and the inner ends of these holders are connected, as by the rivets 29′, to the flange 26, these holders 28 being uniformly spaced from each other preferably in an amount equal to twice the distance between the bosses 24 on the rim 22. A reenforcing ring 29 is provided which is secured to the medial portions of the holders 28 on the under sides thereof in any approved manner, as by welding. Other holders 30 are provided, the inner ends of which are connected to a ring 31 disposed about and spaced from the collar 25 inwardly of the ring 29. The upper surfaces of the medial portions of these holders 30 are also secured to the ring 29. The

free ends of both the holders 28 and 30 are bent downwardly to provide U-shaped portions or protuberances 32 and the ends 33 are bent to extend inwardly above the bight portions of the U-shaped portions 32. A collar 34 is slidably arranged on the standard 15 and is held against movement by the set screws 35. At uniformly spaced intervals on the periphery of the collar 34 are cooperating bearing lugs 36 and one of the ends of the holders 37 is retained between these bearing portions 36 by bolts 38 and nuts 39, or in any other approved manner, and thus the holders 37 are pivotally mounted in position so that these holders may either be disposed to extend horizontally or may be moved inwardly adjacent the standard 15, as illustrated in Fig. 1. U-shaped portions or protuberances 40, similar to the U-shaped portions 32, are provided at the free ends of the holders 37. The holders 28 and 30 are respectively alined with the bosses 24, and the holders 37, of which, in the present instance, there are only one-half as many as there are holders 28 and 30, are alined with alternate ones of the bosses 24.

It has been pointed out that felt-base hard-surface floor coverings are wound on tubes and such a tube is fragmentally illustrated in Fig. 5 and is indicated by 41. These tubes are usually made of heavy paper or cardboard and at the end portions thereof blocks 42 are provided to prevent collapsing of the tubes, these blocks usually being held in position by nails 43, or the like. When used with my device these blocks 42 are driven into the tube for a short distance. When such a floor covering is to be mounted in my display rack it is arranged with one of the U-shaped portions 32 extending thereinto and since the holders 28 and 30 are slightly resilient, it is possible to bend the holder having its end portion in the end of the tube in order that the opposite end thereof will clear the alined boss 24 on the rim 22 which will extend into the adjacent end of the tube 41 when the end of the floor covering is rested on the rim 22. When a floor covering of less height than the standard 15 is to be displayed one of the end portions 40 will be arranged in the upper end thereof while the opposite end will be rested on the rim 22 with a boss 24 extending thereinto. Since the bosses 24 are rounded and as the end portions of the U-shaped portions 32 and 40 are bent inwardly, it is manifest that damage to the end of the floor covering is prevented. Since the standard 15 and the base 20 and other cooperating portions are supported by the spindle 12 it is apparent that the device may be readily rotated so that the various floor coverings mounted thereon in the above described manner may be successively moved into view to facilitate selection.

I have described the bosses 24 as being struck from the rim 22 but, if desired, a cone-headed rivet such as 44 may be provided which will have the shank thereof extended through an opening in the rim 22 with the end of the shank peened to prevent displacement. Similarly, a truncated conical roller 45 may be employed which will be held in position by a rivet 46 extended through an opening in the rim 22 with the end thereof peened to prevent displacement.

While I have illustrated and described a selected embodiment of my invention, it is to be understood that this is capable of variation and modification without departing from the purview of the invention as set forth in the following claims.

I claim:

1. A display fixture including a standard, a base connected to said standard, retaining portions on said base and arranged at spaced intervals, and holder means on said standard and including arms having resilient protuberances at the outer ends thereof disposed in alinement with the retaining means on said base whereby tubular articles rested on said base with said retaining portions and said resilient protuberances extended into opposite ends thereof are held against displacement from said fixture and in display position, said holder means including a connecting member mounted on said standard and having the inner ends of said arms connected thereto, and brace means connected to said arms intermediate said protuberances and said connecting member.

2. A display fixture including a standard, a collar on said standard, resilient holders, certain of said resilient holders having the inner ends thereof connected to said collar, the other of said holders having the inner ends thereof connected to a ring spaced about said collar, said holders having protuberances at the free ends thereof engageable in articles to be retained in said fixture, a bracing ring connected to said holders intermediate the connected ends thereof and said protuberances, a base member on said standard and having retaining means thereon arranged at spaced intervals and alined with the protuberances on said spaced holders and supporting the articles engaged with the protuberances and retaining means, and means supporting said base and standard for rotation about a vertical axis.

3. A holder arrangement for a display fixture embodying a flanged collar, spaced resilient holders having corresponding ends connected to said collar and having protuberances at the free ends thereof providing retaining devices, a bracing ring spaced from said collar and connected to said holders, other holders intermediate the first holders and connected to said bracing ring and having protuberances at the free ends thereof providing retaining devices, and a supporting ring intermediate said collar and bracing ring and having corresponding ends of said other holders connected thereto.

4. A holder arrangement for a display fixture including a standard, holder arms arranged at spaced intervals, a collar, means pivotally connecting said holder arms to said collar whereby the arms not in use may be folded against said standard, means adjustably securing said collar on said standard, a base having retaining portions thereon spaced correspondingly to said holder arms, said holder arms being adjusted on said standard relative to said base and being arranged to extend substantially at right angles to said standard when in use and being respectively alined with the retaining portions on said base, said holder arms and retaining portions cooperating to support articles in display position.

5. A display fixture including a standard having spaced resilient holders at the upper ends thereof, means retaining said holders in position, said holders having protuberances at the free ends thereof engageable with the articles to be retained in said fixture, a base member on said standard having retaining means thereon alined with the free ends of said spaced holders, other holder means alined with predetermined of the first holder means, mounting means for supporting said other holder means in adjusted positions

on said standard, means for connecting said other holder means to said mounting means for pivotal movement toward and away from said standard whereby said other holder means may be disposed in operative or inoperative positions, and means supporting said standard for rotation about a vertical axis.

6. A display fixture including a spider embodying intersecting leg members, a spindle extending upwardly from the intersection of said leg members, a collar secured on said spindle, braces extended between said leg members and collar, a base member about said collar and rotatable relative to said spider, a hollow standard having a member therein providing a seat engageable with the upper end of said spindle, a ferrule on said spindle above said base and engaged with the inner wall of said hollow standard to guide the same, holder means at the free end of said standard and having retaining means thereon, retaining means on said base alined with the first-named retaining means, said alined retaining means cooperating to hold articles in display position.

HARRY SUMNER BEST.