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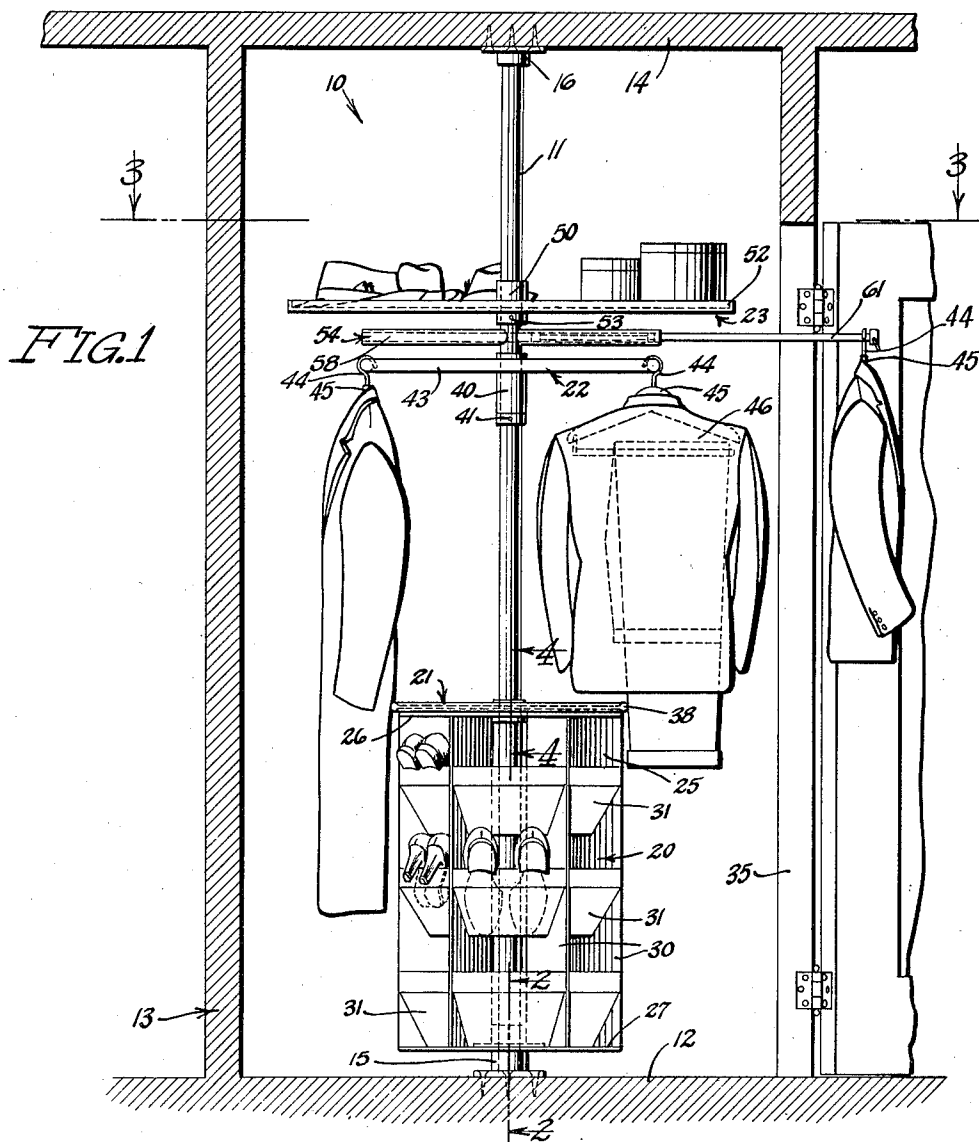
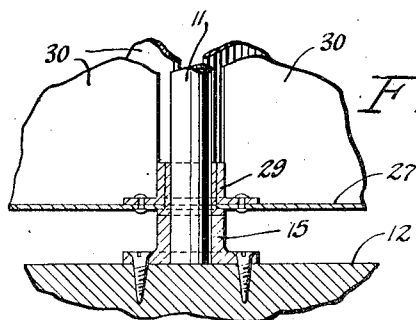
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ROTARY WARDROBE

Filed April 16, 1941

2 Sheets-Sheet 1



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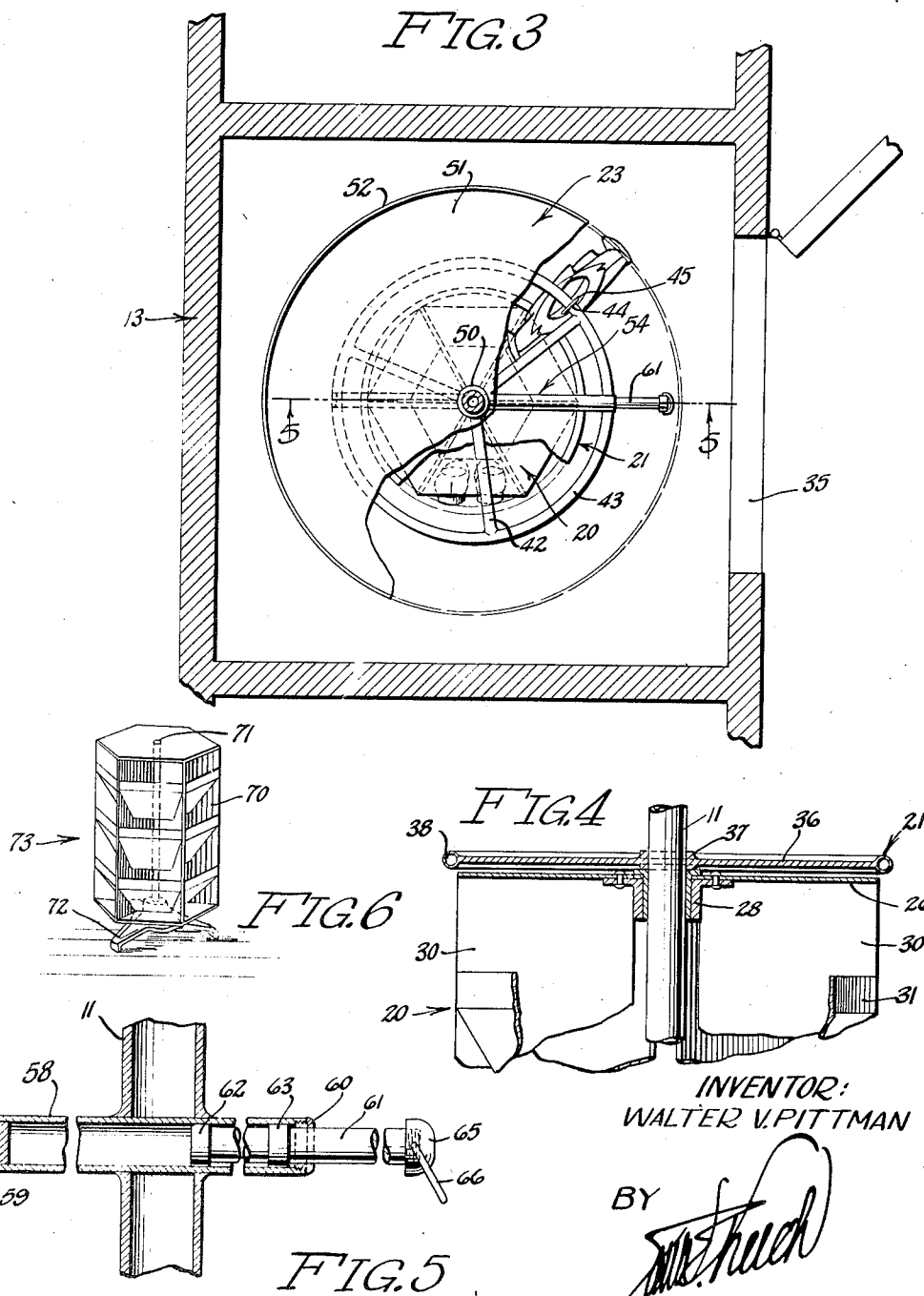
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2 Sheets-Sheet 2



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## UNITED STATES PATENT OFFICE

2,326,064

## ROTARY WARDROBE

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2 Claims. (Cl. 312-183)

This invention relates to wardrobes and particularly to rotary wardrobes wherein rotary means are provided for the storage of clothes in clothes closets.

It is a particular object of my invention to provide a rotary wardrobe which is adapted for installation in clothes closets in residences and hotels generally.

It is another object of the invention to provide such a rotary wardrobe which will have a relatively large capacity for suits and clothes and hats and shoes and in which the storage of none of these items will interfere with the storage of the others, and in which the selection from storage of any given item of any particular kind may be effected without substantially disturbing the other kinds of items stored in the wardrobe.

Before dressing, it is preferable to remove from a wardrobe the various articles of clothing to be worn and assemble these before starting to dress. Because of the lack of a place to assemble these clothes, they are frequently laid out on a bed where they collect lint, making it necessary to rebrush them before putting them on.

It is an object of my invention to provide a rotary wardrobe having means for assembling clothes selected for dressing in such a manner as to keep these free from lint and available in one place.

Another object is to provide a rotary shoe cabinet which may be portably mounted and thus rendered available for use anywhere separate from the rest of the invention.

The manner of accomplishing the foregoing objects, as well as further objects and advantages, will be made manifest in the following description taken in connection with the accompanying drawings, in which:

Fig. 1 is a vertical sectional view through a closet in which a preferred embodiment of the rotary wardrobe of my invention is shown as when installed and in use.

Fig. 2 is an enlarged detail fragmentary sectional view taken on the line 2-2 of Fig. 1 and illustrating the floor mounting of the vertical shaft of the invention and the rotary mounting on said shaft of the lower end of the rotary shoe cabinet thereof.

Fig. 3 is a horizontal detail sectional view taken on the line 3-3 of Fig. 1 with portions of the rotary hat shelf and the rotary clothes guard of the invention broken away to illustrate the structure of the invention disposed therebeneath.

Fig. 4 is an enlarged detailed vertical sectional view taken on the line 4-4 of Fig. 1 and illustrating the upper bearing of a shoe cabinet of the invention and the rotary mounting of the annular clothes guard on the vertical shaft of the invention.

Fig. 5 is an enlarged detail sectional view taken

on the line 5-5 of Fig. 3 and illustrating the mounting of the extensible clothes assembly rod on the vertical shaft of the invention.

Fig. 6 is a perspective view of the rotary shoe cabinet of my invention, portably mounted.

Referring specifically to the drawings, the preferred embodiment of the invention there illustrated comprises a rotary wardrobe 10, this including a vertical shaft 11, which is preferably of tubular construction, as shown in Fig. 5, and extends from the floor 12 of a closet 13 to the ceiling 14 of the latter. The upper and lower ends of the shaft 11 are secured to the floor 12 and ceiling 14 respectively as by receptacles 15 and 16.

Rotatably mounted on the shaft 11 is a rotary shoe cabinet 20, a rotary annular clothes guard 21, a rotary annular clothes rack 22, and a rotary annular hat shelf 23.

The rotary shoe cabinet 20 may be made of metal, wood, or any suitable material to provide a series of tiers of outwardly disposed pockets 25, each of which is adapted to receive a pair of shoes as clearly shown in Figs. 1 and 3. In the preferred embodiment illustrated, the rotary shoe cabinet 20 has an upper wall 26, a bottom wall 27, these being preferably hexagonal in shape and being provided with bearings 28 and 29 respectively which surround and provide a rotatable mounting on the shaft 11 for the rotary shoe cabinet 20. The upper and lower walls of the cabinet are connected as by vertical walls 30, the space between these latter walls being divided to form the pockets 25 by pocket bottom walls 31. The lower bearing 29 of the rotary shoe cabinet 20 rests on the receptacle 16 so that this cabinet may be easily rotated manually on the shaft 11 when it is desired to turn any particular pair of shoes in this cabinet toward the doorway 35 of the closet 13.

The rotary annular clothes guard 21 consists of a disc 36 having a central hub 37 which surrounds and effects a rotary mounting of the guard 21 on the shaft 11. Secured to and surrounding the disc 36 is a hollow annular ring 38, the diameter of which is slightly in excess of the diameter of the shoe cabinet 20.

The bearing 37 rests upon the top of the upper bearing 28 of the rotary shoe cabinet 20 so that this cabinet can be freely rotated relative to the guard 21 when the latter is held against rotation. Likewise, when the cabinet 20 is stationary the guard 21 may be freely rotated relative to the cabinet as they are both freely rotatable on the vertical shaft 11.

The rotary clothes rack 22 comprises a wheel with a hub 40 which is rotatable on the shaft 11 and rests on a fixed collar 41. Extending outwardly from the hub 40 are spokes 42, the latter connecting at their ends with a ring 43 which is of a size suitable for receiving the hooks 44 of

coat hangers 45. The diameter of the ring 43 is preferably greater than the diameter of the shoe cabinet 20 and the rack 22 is spaced upwardly above the clothes guard 21 such a distance that coats, such as the coat 46 draped on the hanger 45, will be disposed entirely above this clothes guard.

The rotary hat shelf 23 includes a bearing 50 which surrounds and provides a rotary mounting on the shaft 11 for the hat shelf. Extending outwardly from the bearing 50 is a suitable circular shelf 51 having an annular upturned outer rim 52. The bearing 50 rests upon and is supported by a collar 53 which is fixed upon the shaft 11.

Embodied with the shaft 11 between the rotary hat shelf 23 and the rotary clothes rack 22 is an extensible clothes assembly hanger 54. This hanger includes a tube 55 which extends through and is welded in place in the tubular shaft 11 as shown in Fig. 5. The rear end of the tube 58 is closed by a plug 59, while its front end receives a sleeve plug 60 which retains an extensible rod 61 slidably disposed inside the tube 58. The rod has bearing collars 62 and 63 which keep this rod in alignment with the tube 58; the collar 63 engaging the sleeve plug 60 and thus limiting the distance which the rod 61 may be pulled from this tube. The rod 61 is provided with a head 65 having a bail 66 by which this rod may be pulled outwardly from its retracted position in the tube 58.

From the foregoing description, it will be seen that I have provided a rotary wardrobe giving an unusually high capacity for the storage of clothes and permitting the selection with relative ease of garments from among those stored. Thus, when selecting a pair of shoes to wear, entry is made to the closet through the doorway 35 and the rotary shoe cabinet 20 rotated until the desired pair of shoes faces toward the door 35, whereupon this pair of shoes is lifted from the pocket 25 in which it rests and removed from the closet.

It is contemplated that a large number of suits hung on clothes hangers 45 as illustrated in Fig. 1 are hung from the rotary clothes rack 22. Those portions of any clothes hung on this rack which tend to hang inwardly and extend below the annular clothes guard 21, are prevented by this guard from contacting the rotary shoe cabinet 20, thereby permitting this cabinet to be rotated without engaging these clothes. In like manner, when it is desired to make a selection from among the clothes hanging on the rack 22, the latter is rotated and when this takes place any rubbing of lower portions of clothes hanging on this rack against the shoe cabinet 20 is prevented by engagement of these clothes with the annular clothes guard 21. If any considerable number of clothes contact the guard 21 there is sufficient friction between this guard and these clothes so that rotation of the rotary clothes rack 22 causes the guard 21 to rotate with the clothes engaging this. There is thus no rubbing between any of these clothes and any portion of the apparatus engaging the same when the rack 22 is rotated.

In assembling a group of garments for dressing, the rod 61 may be pulled into its fully extended position as shown in Fig. 1, to serve as an assembly rack on which these garments can be hung after being selected from the wardrobe 10. This assembles these clothes where they are easily accessible and suspends them where they will not collect lint as when laid on the bed in accordance

with the customary practice. When through using the extensible clothes assembly rack 54, the rod 61 thereof is returned into its retracted position in the tube 58. The entire extensible clothes assembly rack 54 is now seen to be approximately of the same length as the diameter of the rotary clothes rack 22. The rotary hat shelf 23 is rotatable for the purpose of selecting a hat therefrom or finding an empty space in which to store a hat.

In Fig. 6 I have illustrated a modified form of the rotary shoe cabinet of my invention. Here we see a cabinet structure 70 which is preferably the same as that of cabinet 20 but which is rotatably mounted on a shaft 71 provided on a portable stand 72 to form a portable rotary shoe cabinet 73. Suitable means (not shown) is provided for retaining the rotary structure 70 on the shaft 71 so that the entire cabinet 73 may be picked up and transferred from place to place by taking hold of the upper portion of that structure.

The rotary cabinet 73 is suitable for use separate from the rotary wardrobe 10 and can be placed in any ordinary clothes closet to serve as a receptacle for shoes. When so used, the floor space taken up by my rotary shoe cabinet 73 is much less than the space required for the shoes which can be stored in this cabinet and which ordinarily are scattered over the floor.

From the above description of construction and operation of the preferred and modified embodiments of my invention, it is seen that in these I have achieved the objects aforesaid; provided ample storage capacity for clothes with a maximum of ease in selecting and assembling a change of clothes for convenience in dressing; and have provided a novel portable rotary shoe cabinet capable of separate use anywhere.

What I claim is:

1. In a rotary wardrobe, the combination of: a vertical shaft; a shoe cabinet symmetrically disposed about said shaft and rotatably mounted upon the lower end thereof; a clothes rack including an annular ring, the diameter of which is in excess of that of said shoe cabinet, said rack being concentric with said shaft and rotatably mounted thereon at such a distance above the upper end of said shoe cabinet as to permit coats draped on coat hangers and hung upon said ring to be disposed entirely above the upper end of said shoe cabinet; and an annular clothes guard disposed about said shaft above said shoe cabinet, said guard being of greater diameter than said cabinet but of less diameter than said clothes rack ring, said cabinet being free to rotate on said shaft relative to said guard.

2. In a rotary wardrobe, the combination of: a vertical shaft; a shoe cabinet symmetrically disposed about said shaft and rotatably mounted upon the lower end thereof; a clothes rack including an annular ring, the diameter of which is in excess of that of said shoe cabinet, said rack being concentric with said shaft and rotatably mounted thereon at such a distance above the upper end of said shoe cabinet as to permit coats draped on coat hangers and hung upon said ring to be disposed entirely above the upper end of said shoe cabinet; and an annular guard rotatably mounted on said shaft at the upper end of said cabinet, said guard being of a diameter in excess of that of said cabinet and less than that of said clothes rack ring.

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