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R. M. SHOEMAKER ET AL

2,442,099

SUPPORT FOR GARMENT HANGERS

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FIG. 1.

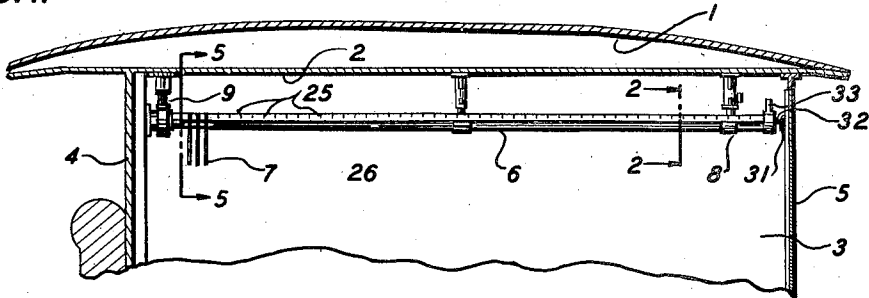
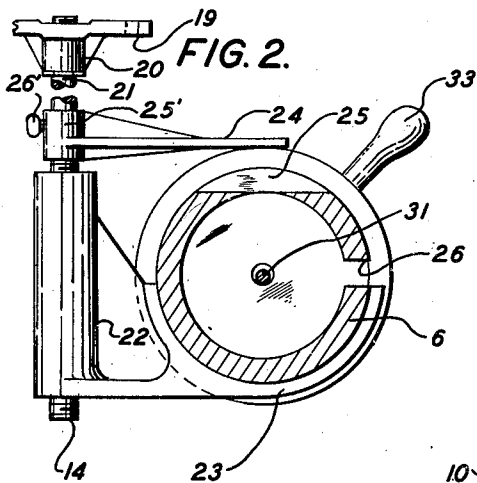


FIG. 4.

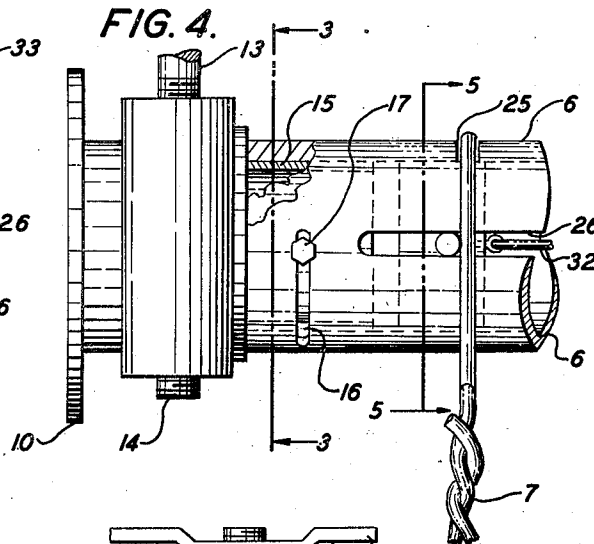


FIG. 5.

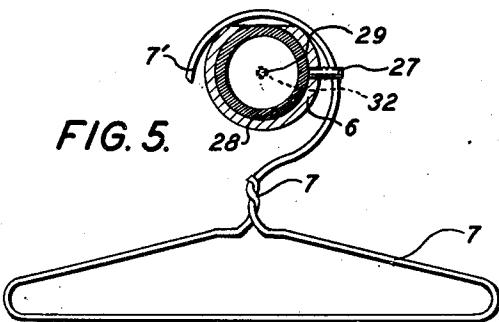


FIG. 3.

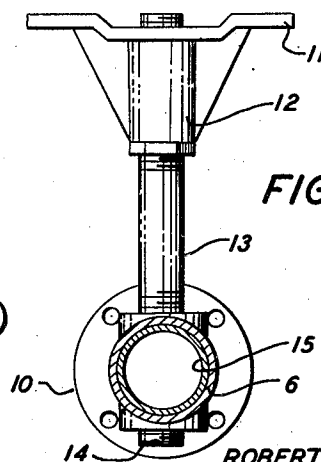
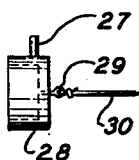


FIG. 6.



Inventor  
ROBERT M. SHOEMAKER  
HOWARD O. BAYLER

*Carl Moore*

Attorney

## UNITED STATES PATENT OFFICE

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## SUPPORT FOR GARMENT HANGERS

Robert M. Shoemaker and Howard O. Bayler,  
Los Angeles, Calif.

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8 Claims. (Cl. 211-123)

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This invention relates to means and ways of supporting a plurality of garment hangers which are readily available at one end of the supporting means by a simple operation. When the hangers are distributed along the supporting means and not in a convenient position for handling, the hangers are latched so that they will not shift along the supporting means. By this arrangement of garment hangers, garments can be transported in safety and without danger of one garment mussing or crowding its neighboring garments.

The supporting means is generally an elongated beam, rod or tube provided with a plurality of radially notched portions neatly spaced along the beam, the notched portions being along the top surface of the beam, but the beam is so mounted that it can be easily rotated about a quarter turn so that the notched portions are no longer at the top, thus making it easy to slide the garment hangers to one end of the beam unhampered by the notches. When the notched portions are at the top position, the hook part of the hangers will readily fall into the notched portions and remain there until the tube is rotated.

Bracket means are provided for supporting the beam from either the ceiling of a vehicle or chamber or from a side wall thereof, the bracket means allowing the tube to be easily rotated, but also includes means to prevent the beam from moving vertically and hence prevent hangers from being displaced from their respective hangers.

One of the principal objects of this invention is to present a new and novel means for supporting a large number of garment hangers and the like which are latched and positioned in spaced relationship, but with means being combined therewith so that the hangers can be unlatched from their positions and gathered to one end of the supporting means by a simple manual operation.

Another object is to provide an elongated means for supporting a plurality of garment hangers which is simple and sturdy in construction, easy to install and maintain, and which is economical to make and manufacture.

Other objects, advantages and features of our invention will appear from the accompanying drawings, the subjoined detailed description, the preamble of these specifications and the appended claims.

Applicants are about to illustrate and describe one of the forms of their invention in order to teach one how to make and use the same, but it is to be understood that the drawings and de-

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scription thereof are not to limit the invention in any sense whatsoever, except as limited by the appended claims.

In the drawings:

Fig. 1 shows a top portion of a delivery type of truck in longitudinal vertical section with the support for garment hangers installed therein,

Fig. 2 is an enlarged sectional view taken substantially along the line 2-2 of Fig. 1,

Fig. 3 is also an enlarged sectional view taken substantially along the line 3-3 of Fig. 4,

Fig. 4 is an enlarged elevational view of a portion of the hanger support with parts thereof broken away,

Fig. 5 is a sectional view taken along the line 5-5 of Fig. 4, but shown at a reduced scale, and

Fig. 6 is an elevational view of a sliding member shown at a larger scale than that of Fig. 1 so as to illustrate the details thereof.

One adaptation of the invention would be to apply it to a delivery type of truck as partially illustrated in Fig. 1 of the drawings wherein the top thereof is indicated by the reference numeral 1, the ceiling thereof by 2, one side wall thereof by 3, the front wall or bulkhead by 4 and the rear door or doors by 5. The elongated beam means 6 is shown for supporting a plurality of garment hangers 7 which may be of the wire type or any other suitable type. The elongated beam means 6 is shown as a pipe or tube, but it is to be understood that any other suitable means may be employed, such as for instance, may be a hollow beam with a rectangular cross-section.

At the rear end of the pipe 6, it is preferably supported by the bracket shown in Fig. 2. This bracket is indicated in general by the numeral 8. The front end of the pipe is supported by the bracket 9. The bracket 9 may be supported from the front wall 4, if desired, by utilizing the flanged portion 10 thereof, or supported from the ceiling by utilizing the double lobed means 11. This bracket has the female threaded part 12 that adjustably supports the nipple 13, the lower end of the nipple being screwed into the female threaded boss 14 that supports the flanged portion 10 and also a short tube 15 which is adapted to telescope the forward end of the pipe 6, as shown. This end of the pipe has a slot 16 which accommodates the shank of a screw or stud 17 that is set in the threaded bore 18 of the short tube 15. The purpose of this slot and stud is to limit the rotation of the pipe 6, that is, limit its rotation to a quarter turn, or to a half turn if desired.

The other bracket 8 has the double lobed top 19, which is similar to 11, that can be attached by

screws or bolts to any part of the truck. This bracket has the female threaded part 20 from which depends a nipple 21 that engages the female threaded boss 22 from which extends the saddle 23 which is curved to neatly support the pipe 6, as shown, but, nevertheless, allow garment hangers to pass to the very end of the pipe. When a bracket, as this, is employed at the rear end of the pipe 6, it is provided with an adjustable protruded element or arm 24 which has the sleeve 25 that freely slides along the nipple 21, and the wing nut 26 is provided so that this sleeve can be fixed in any suitable position on the nipple. The object of this element 24, is to hold the pipe 6 in its saddle support 23 so that the pipe will not leave the saddle when the truck bounces over rough surfaces.

The top of the pipe 6, in normal hanger retaining position, is provided with a plurality of spaced apart cross cuts, notches or slots 25, each of which are of sufficient breadth to accommodate the hook 7' of the hangers 7. An elongated slot 26 extend substantially the entire length of the pipe 6 to accommodate the stud 27 of a cylindrical slide element 28. This slide element rides freely in the bore of the pipe 6 and has a screw-eye 29 to which a cord or cable, 30 is attached; this cord or cable having sufficient length to have one end 31 thereof tied to a suitable anchorage at 32, such as another screw-eye fixed to the side wall 3 of the truck, and the other end tied to the slide element 28 when it is at its farthest position from the rear end of the pipe 6, or near the front wall 4 of the truck. A short lever means 33 is fixed to the rear end of the pipe 6 so that the pipe can be easily turned.

When the pipe 6 is to be loaded with garments, their hangers are slipped along the pipe 6 when it is turned so as to shift the slots 25 to one side. This position of the pipe 6 allows the hangers to be easily slid along the pipe toward the front end, the cylindrical sliding element 28, however, must first be shifted to the forward end of the pipe in the event it is not already there, or this slide element may be slowly shifted forward as the hangers are placed on the pipe. After the hangers are on the pipe 6, the pipe is turned a quarter turn and the hanger hooks 7' are shifted to their proper slots 25. When it is desired to remove the hangers with their garments from the pipe, the lever 33 is turned so as to place the slots 25 to one side and thus free the hooks 7' from them; then the cord 30 is pulled and the element which slides (28) is pulled rearwardly thereby, the stud 27 catching hold of the forwardmost hanger and forcing all hangers to the rear of the truck as the cord is drawn rearwardly.

It is, of course, understood that various changes and modifications may be made in the details of form, style, design and construction of the whole or any part of the specifically described embodiment of this invention without departing from the spirit thereof, such changes and modifications being restricted only by the limitations clearly expressed in the following claims.

Having thus described our invention, what is claimed as new and desired to be secured by Letters Patent is:

1. In a device to accommodate a plurality of garment hangers and the like, an elongated member having means for supporting it above a floor and the like, a plurality of spaced apart cross notches along the member for catching and holding parts of garment hangers, the means for supporting it allowing the member to be turned so as

to place the notches to one side thereof so that the garment hangers are disengaged from the cross cuts and means for drawing the hangers to one end of the member.

2. In a device to support a plurality of garment hangers and similar articles, an elongated tubular member having means to support it above a floor, said member being supported so that it can be turned in its supports, a plurality of spaced apart cross cutout portions wherein each is adapted to receive a part of a hanger but each hanger being released when the tubular member is turned, and pull means for gathering all hangers to one end of the member.

3. The device recited in claim 2 wherein the means to support the member include a plurality of bracket means in which one of them has an arm with an adjustable sleeve means for holding the member to that particular bracket means.

4. The device recited in claim 2 wherein the means to support the member includes a bracket having lobe means for attaching it to the ceiling of a chamber and also flange means for attaching it to a vertical wall of a chamber.

5. The device recited in claim 2 wherein the means to support the member includes an end bracket having means therewith to support the member on one of the vertical and horizontal walls of a chamber, said bracket having a projection adapted to telescope an end of the member, a stud extending from the projection, and a slot in the member accommodating the stud so that the member can be turned only a fractional part of the circumference thereof.

6. An elongated beam adapted to support a large number of garment hangers and the like, said beam having means to support it above the floor of a chamber, a large number of cross-cuts in the beam spaced apart and large enough to accommodate the hook portions of garment hangers, the means for supporting the beam allowing the beam to be rotated a fraction of a single turn so that the hangers are disengaged from the cut out portions and slide means tracked in the beam having a projection for arresting hangers as the slide means is moved along the beam.

7. The device recited in claim 6 wherein the means for supporting the beam above the floor includes a bracket having a projection adapted to engage an end of the beam, a stud extending from the projection, and a circumferential slot on one end of the beam for accommodating the stud and limiting its movement.

8. The device recited in claim 6 wherein the means for supporting the beam includes a bracket, and guided stud means for limiting the turning movement of the beam with respect to the bracket.

ROBERT M. SHOEMAKER.  
HOWARD O. BAYLER.

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