Dec. 20, 1932. A. R. SPIKINGS 1,891,844

SWINGABLE GARMENT HANGER SUPPORT

Filed May 9, 1931

Fig. 1.

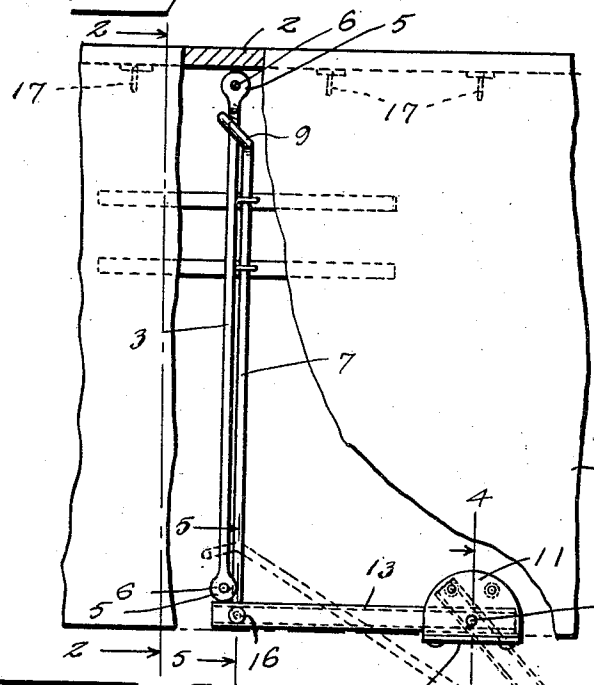


Fig. 2.

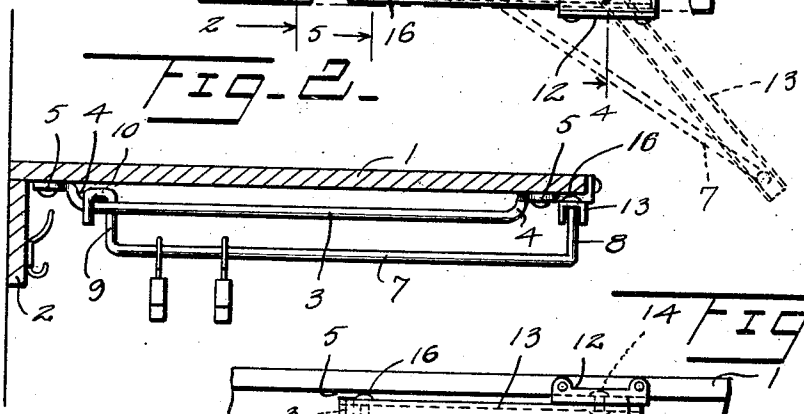


Fig. 3.

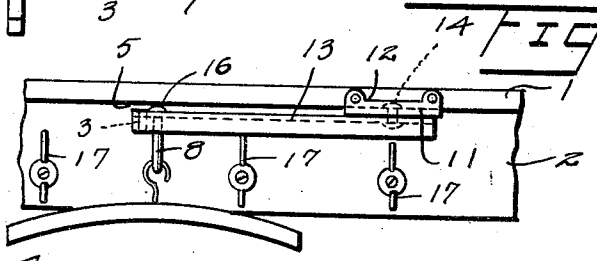


Fig. 4.

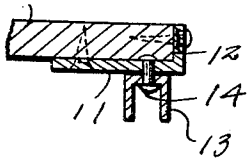
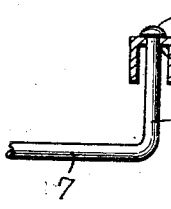


Fig. 5.



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UNITED STATES PATENT OFFICE

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SWINGABLE GARMENT HANGER SUPPORT

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This invention relates to improvements in garment supporting devices and pertains particularly to a supporter or hanger for attachment to the under side of a shelf or similar structure.

The primary object of the present invention is to provide a garment hanger support for use upon the under side of a shelf structure, which may be readily drawn out from beneath the shelf for the application of clothes carrying hangers thereto or for the removal of the same therefrom.

Another object of the invention is to provide a clothes hanger support of the above described character which revolves or oscillates when drawn out from beneath a supporting shelf so that the garments suspended therefrom will be arranged before the view of the person operating the support, for the easy selection of a garment or placement of a garment thereon.

The invention broadly contemplates the provision of a bar formed to facilitate its application to and transversely of the under surface of a shelf structure, and a second bar having a hook formed at one end for slidable engagement over the first-mentioned bar and having its other end pivotally attached to one end of a supporting arm, the other end of which is pivotally secured to the under side of the shelf at one side of the first-mentioned bar.

The second-mentioned bar normally positions beneath the first-mentioned bar with the arm disposed parallel with the outer edge of the shelf and this second-mentioned bar has the clothes hangers directly connected therewith. In the operation of the device the arm is swung outwardly, thus drawing out the clothes hanger carrying bar and swinging the same to one side so that it will be disposed obliquely of the front edge of the shelf and forwardly thereof, in which position clothes may be readily suspended thereon or removed therefrom.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawing forming part of this specification, with the understanding, however, that the invention is not confined to any strict conformity with the showing of the drawing but may be changed or modified so long as such changes or modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

In the drawing:—

Figure 1 is a view in top plan of a portion of a shelf showing the application of the device embodying the present invention;

Figure 2 is a sectional view taken substantially on the line 2—2 of Figure 1;

Figure 3 is a view looking toward the front edge of the shelf showing the hanger support in elevation;

Figure 4 is a sectional view taken on the line 4—4 of Figure 1;

Figure 5 is a view taken on the line 5—5 of Figure 1.

While the present invention may be mounted in any of a number of positions or upon various supporting structures, it is designed primarily to be applied to the under side of a clothes closet shelf, therefore such a structure has been shown in the illustration of the device and the same is indicated generally by the numeral 1, the usual back plate or strip upon which the rear edge of such a shelf is normally mounted, being indicated by the numeral 2.

The present clothes hanger support comprises a fixed bar 3 each end of which is turned up slightly as indicated at 4 and is flattened as at 5 and provided with a screw aperture 6. These flattened ends 5 are positioned against the under face of the shelf with the bar 3 transversely thereof, and suitable securing elements such as screws or the like are passed through the aperture 6 into the shelf thus securing the bar thereto and in spaced relation therewith.

Normally disposed beneath and parallel with the fixed bar 3 is a shiftable bar 7 which has a substantial portion of each end turned upwardly as indicated at 8 and 9, each of these upturned ends being always vertically positioned. The end 9 of the shiftable bar 7 is formed to provide a hook 10 which extends laterally at an angle oblique to the bar 7, and

this hook oscillatably engages over the fixed bar 3. The oblique disposition of the hook 10 permits of the oscillation of the bar 7 in a horizontal plane, without binding against the bar 3.

Disposed at the edge of the shelf 1 and to one side of the fixed bar 3 is a plate 11, which has an outer upturned flange 12 which overlies the face of the front edge of the shelf.

Pivotally attached to the plate 11 is an arm 13 which is preferably channel-shaped in cross section, with the channel thereof directed downwardly, the connection being made by a rivet 14 which passes through the back or web portion of the arm at a point a substantial distance inwardly of the adjacent end. The part of the arm lying between the point where the rivet 14 connects therewith and the adjacent end, serves as a brace when the arm is positioned to extend outwardly from the edge of the shelf as it bears against the face of the plate 11.

The other end of the arm 13 has an aperture formed through the web portion thereof as indicated at 15 and the upturned end 8 of the shiftable bar 7 passes through this aperture and is held therein by a head 16 formed thereon. This head 16 permits of the free rotation of the portion 8 in the aperture of the arm so that as the arm is swung in and out the shiftable bar may be freely moved back and forth beneath the shelf.

From the foregoing it will be readily seen that by making the arm of the proper length and attaching the supporting plate 11 at the proper point with respect to the fixed bar 3 so that when the arm is in position beneath the shelf its free end will position adjacent the outer end of the fixed bar, upon swinging the arm outwardly to the position where the shiftable bar is parallel therewith and disposed therebeneath, the inner end of the shiftable bar will be located at the extreme outer end of the fixed bar.

It will also be apparent that the shiftable bar will be disposed, when moved outwardly, at an oblique angle to the forward edge of the shelf so that the articles suspended therefrom may be conveniently looked over or an article may be readily placed in position thereon between other articles without creasing or disturbing the articles already in place. Upon swinging the arm 13 back to position beneath the shelf the shiftable bar will be returned to its position beneath and parallel with the fixed bar and all of the garments carried by the device will be safely positioned beneath the shelf.

It will be obvious from the foregoing that a number of devices constructed in accordance with the present invention may be mounted beneath a shelf structure and these will not interfere with the hanging of articles upon hooks such as those indicated by the numerals 17 located upon the back strip 2 of the shelf.

Having thus described the invention, what is claimed is:—

1. A swinging clothes hanger support comprising a fixed bar member designed to be secured in horizontal position, a shiftable bar having one end slidably connected with the fixed bar, an oscillatable supporting arm adapted to be pivotally mounted at one end at a point to one side of the fixed bar, and a pivotal connection between the other end of the shiftable bar and the other or free end of said arm.

2. A swinging clothes hanger support for application to the under face of a flat horizontal body, comprising a shiftable bar member, means for pivotally supporting said bar member at one end for movement transversely of the supporting surface, an arm pivotally secured to said supporting surface at one side of said means, and a pivotal connection between the other end of said bar and the other end of the arm, said bar normally being disposed parallel with and beneath said means and having said arm disposed at substantially right angles thereto.

3. A swinging clothes hanger support for application to the under side of a shelf, comprising a fixed bar adapted to be secured to the under face of the shelf and in spaced relation thereto, a shiftable bar having a portion of each end upturned and having one upturned end slidably connected with said bar, a supporting arm having the other upturned end of the shiftable bar pivotally attached thereto adjacent one end thereof, and means for pivotally securing the other end of said arm to said shelf adjacent the forward edge thereof whereby the arm may assume a position beneath the shelf parallel with the adjacent edge with said shiftable bar disposed beneath the fixed bar.

4. A swingable clothes hanger support for application to the under side of a shelf, comprising a fixed bar adapted to be secured to the under side of the shelf and in spaced relation thereto, a shiftable bar having a portion of each end turned upwardly, a hook formed at the free end of one upturned portion of the shiftable bar and obliquely disposed with respect to the shiftable bar, said hook being of a design for oscillatable engagement over the fixed bar, a supporting arm, means for pivotally securing said supporting arm adjacent one end to the under side of the shelf adjacent the forward edge thereof, and a pivotal connection between the free end of the arm and the other upturned end of the shiftable bar.

5. A swingable clothes hanger support for application to the under side of a shelf, comprising a fixed bar adapted to be secured to the under side of the shelf and in spaced relation thereto, a shiftable bar having a por-

tion of each end turned upwardly, a hook formed at the free end of one upturned portion of the shiftable bar and obliquely disposed with respect to the shiftable bar, said hook being of a design for oscillatable engagement over the fixed bar, a supporting arm, means for pivotally securing said supporting arm adjacent one end to the under side of the shelf adjacent the forward edge thereof, and a pivotal connection between the free end of the arm and the other upturned end of the shiftable bar, the said pivotal connecting means being joined to the arm at a substantial distance inwardly from the said adjacent end to provide a bracing portion designed to bear against the under face of the shelf when the arm is extended forwardly from the forward edge thereof.

6. A garment hanger for attachment to the under side of a shelf, comprising a bar, means connecting one end of the bar to the under side of the shelf whereby the said one end may be shifted transversely of the shelf, and means pivotally connected with the shelf, and with the other end of the bar for effecting the extension of the bar beyond the shelf and directed obliquely thereto.

7. A swinging garment hanger designed for attachment to the under side of a shelf, comprising a pair of bar members disposed when in inoperative position in right angular relation and pivotally connected together at their adjacent ends, means for pivotally attaching the other end of one of the bars with an overlying supporting shelf, and means providing a slidable connection between the other end of the other bar and the said shelf, the bars when in operative position assuming an acute angular relation.

In testimony whereof I hereunto affix my signature.

ALBERT R. SPIKINGS.