Oct. 4, 1960 C. O. LARSON 2,954,954

CLOTHES HANGER

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FIG. 3

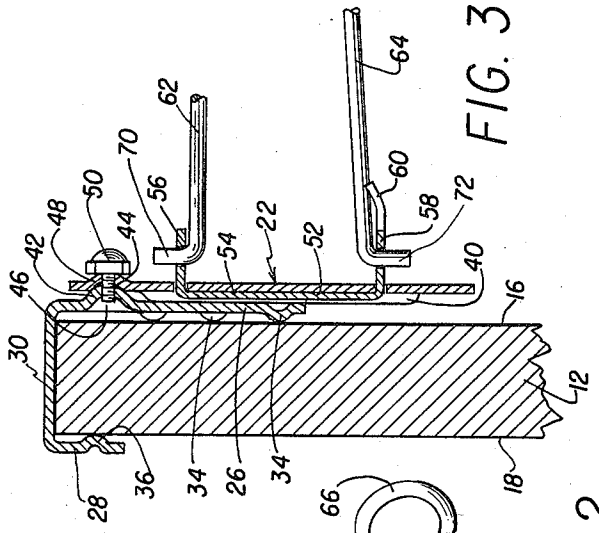


FIG. 2

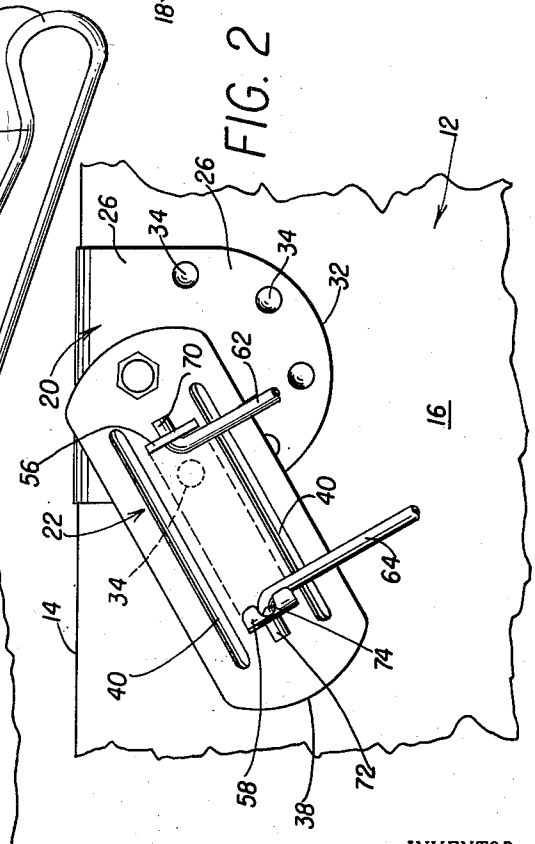
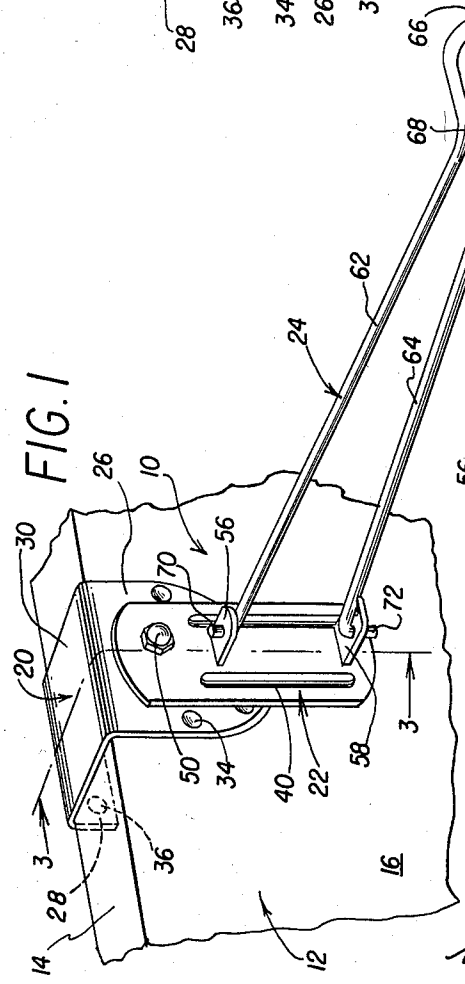


FIG. 1



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# CLOTHES HANGER

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4 Claims. (Cl. 248—215)

This invention relates to an improved wardrobe hanger and particularly to a wardrobe hanger of the type adapted to be supported over the top of a door.

An important object of the present invention is to provide a clothes hanger of the type adapted to be supported over the top of a door in which the clothes support is pivoted upon a support bracket mounted on the door so that the clothes hanger will not be knocked from the door if the clothes support is accidentally struck by the user.

Another important object of the invention is to provide a colthes hanger of the type set forth which is particularly adapted to support heavy clothing without marring the usrface of the door on which it is supported.

Yet another object of the invention is to provide an improved clothes hanger of the type set forth in which the pivoted clothes support has bearing members to ride upon the support bracket whereby to facilitate movement therebetween.

Still another object of the invention is to provide a clothes hanger of the type set forth which folds flat against the door when not in use.

These and other objects and advantages of the invention will be better understood from the following description when taken in conjunction with the accompanying drawing. In the drawing wherein like reference numerals have been utilized to designate like parts throughout:

Figure 1 is a perspective view of the clothes hanger made in accordance with and embodying the principles of the present invention, the clothes hanger being shown installed upon a door;

Figure 2 is a front elevational view of the clothes hanger of Figure 1, with certain parts broken away and with the clothes support and the support plate being shown in the folded position, and

Figure 3 is an enlarged view in vertical section throughout the clothes hanger of Figure 1 substantially as seen in the direction of the arrows along the lines 3—3 thereof.

Referring first to Figure 1 of the drawings there is shown a clothes hanger generally designated by the numeral **10** made in accordance with and embodying the principles of the present invention. The clothes hanger **10** is adapted to be supported by any convenient upstanding member such as a door **12** having a horizontally disposed upper surface **14**, and a pair of parallel vertical surfaces **16** and **18**.

The clothes bracket **10** includes three principal parts, a support bracket generally designated by the numeral **20**, a swingable support plate **22** and a movable clothes support **24**. The support bracket **20** is generally U-shaped in cross section as may be best seen in Figure 3 of the drawings and includes a main plate **26** adapted to be disposed along the surface **16** of the door **12**, a rear plate **28** being adapted to be disposed along the surface **18** of the door **12** and a top plate **30** interconnecting the upper edges of the main plate **26** and the rear plate **28** and



adapted to be disposed upon the upper edge **14** of the door **12**. The lower edge of the main plate **26** is rounded as at **32** and is provided adjacent to the lower periphery thereof with a plurality of bearing members **34** in the form of depressions, dimples or bumps formed therefrom and extending toward the rear plate **28**. The bearing members **34** provide bearing surfaces which rest against the surface **16** of the door whereby to space the major portion of the main plate **26** therefrom and to prevent scarring or marring of the door surface. Five of the bearing members **34** are provided as illustrated in Figure 2 of the drawing. The rear plate **28** is provided with a similar series of depressions which provide bumps or bearing surfaces **36** thereon. Three of the bearing members **36** are provided in horizontal alignment on the rear plate **28** and are adapted to bear against the surface **18** of the door **12**. The bearing members **34** and **36** permit easy mounting of the support bracket **20** upon the door **12** without marring or scarring the surfaces **16** or **18** of the door **12**.

Pivotally mounted on the support bracket **20** is the support plate **22**. The support plate **22** is generally rectangular in shape and is provided with rounded ends **38**. A pair of corrugations or ribs **40** is provided on the support plate **22** adjacent to the edges thereof. The corrugations **40** extend rearwardly toward the main plate **26** of the support bracket **20** when the parts are in an assembled position to form a bearing contact therewith as can be best seen from Figure 3 of the drawing. Means is provided pivotally to interconnect the main plate **26** and the support plate **22**. To this end, the main plate **26** is provided with an outwardly extending dome-shaped portion **42** which is apertured to receive therethrough a threaded shank **44** provided at one end thereof with a head **46** adapted to be received in the depression provided by forming the dome-shaped portion **42**. The shank **44** passes through an aperture in the complementarily formed dome-shaped portion **48** on the support plate **22**. A nut **50** engages the outer end of the threaded shank **44** to hold the parts in assembled relationship.

The clothes support **24** is pivotally mounted on the support plate **22** by means of a bracket member **52**. The bracket member **52** has a substantially rectangularly shaped plate **54** provided at one end with a forwardly directed flange **56** and at the other end with a forwardly directed flange **58**. Each of the flanges **56** and **58** is apertured for a purpose which will be more fully understood hereinafter. The flange **58** is also provided with a forwardly directed bifurcated portion **60**. The flanges **56** and **58** of the bracket member **52** extend through slots formed in the support plate **22** whereby to assemble the bracket member **52** thereon. The thickness of the plate **54** is less than the distance which the corrugations **40** extend behind the support plate **22** whereby the corrugations **40** provide the only bearing contact with the main plate **26**.

Referring to Figure 1 of the drawings it will be seen that the clothes support **24** is formed from a rod which is shaped to provide an upper arm **62** and a lower arm **64** joined at the outer ends by a curved portion **66**, the arm **62** having a bend **68** therein. The arms **62** and **64** at the other ends are provided with oppositely directed bearing members **70** and **72**, respectively, which extend through the apertures in the flanges **56** and **58**, respectively, of the bracket member **52**. The clothes support **22** can be maintained in a position substantially normal to the plane of the support plate **22** by engaging the lower arm **64** in the slot **74** formed in the bifurcated end **60** of the bracket member **52**. The clothes support is resilient whereby the arm **64** can be dislodged from the slot **74** and the clothes support swung to a folded position so

that it lies in a plane substantially parallel to the plane of the door **12**.

It has been found that by providing the bearing surfaces formed by the depressions **34** and **36**, the support bracket **20** will not mar the associated surface of the door **12** even when heavy loads of clothing are placed upon the clothes support **24**. Accidental contact of passersby with clothing on the support **24** tends to move the clothing and the associated support. In prior constructions wherein the clothes support **24** was formed rigid with the support bracket **20**, such contact often served to dislodge the support bracket **20** from the associated door. By providing a pivotal connection between the support plate **22** and the support bracket **20**, it has been found that the force of contact with the clothing simply serves to pivot the support plate **22** about the threaded shank **44** and there is little or no tendency to dislodge the support bracket **20** from the top of the associated door. The easy swinging movement of the support plate **22** with respect to the main plate **26** is facilitated by the presence of the corrugations **40** which provide a limited bearing surface between these members.

It will be seen that there has been provided a clothes hanger which fulfills all of the objects and advantages set forth above. Although one preferred embodiment of the invention has been described and shown in the drawings for purposes of illustration, it is to be understood that various changes and modifications can be made therein without departing from the spirit and scope of the invention. Accordingly, the invention is to be limited only as set forth in the following claims.

I claim:

1. A clothes hanger adapted to be used on the top of a door and the like, comprising a support bracket including a main plate and a rear plate disposed substantially parallel to each other and a top plate interconnecting said rear and main plates, said main plate having a first set of depressions formed therein and said rear plate having a second set of depressions formed therein, said sets of depressions extending toward each other and having rounded surfaces for engaging a door disposed therebetween without marring the surface thereof, a support plate disposed substantially parallel to said main plate with one end of said support plate pivotally connected to said main plate, said support plate having elongated corrugations formed therein and extending toward said main plate to provide bearing areas of limited extent therebetween, and a clothes support pivotally mounted on said support plate at a point below the pivotal connection between said main plate and said support plate, said clothes support being movable to a support position substantially perpendicular to said support plate and being movable to a second position substantially parallel to the plane of said support plate.

2. A clothes hanger as set forth in claim 1, wherein the depressions in the second set are arranged substantially in a semi-circle and are disposed below the pivotal connection between the main plate and the support plate.

3. A clothes hanger as set forth in claim 1, wherein the clothes support is mounted on the support plate by means of a bracket member including a bracket plate disposed between said support plate and the main plate and having a thickness less than the depth of the corrugations so that said bracket plate is spaced from said main plate, said support plate having a pair of spaced apart apertures therein, said bracket plate having a pair of flanges extending through said apertures and having openings formed therein to receive said clothes support, and a bifurcated portion formed on the end of one of said flanges to engage said clothes support and to hold said clothes support substantially perpendicular to the plane of said support plate.

4. A clothes hanger as set forth in claim 3, wherein the pivotal connection between the main plate and the support plate includes a pair of complementary dome-shaped portions formed in said main plate and said support plate and having aligned apertures therethrough, and a bolt passing through said aligned apertures in said plates and having a nut thereon to hold said main plate and said support plate in cooperating relationship.



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