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CLOTHES HANGER

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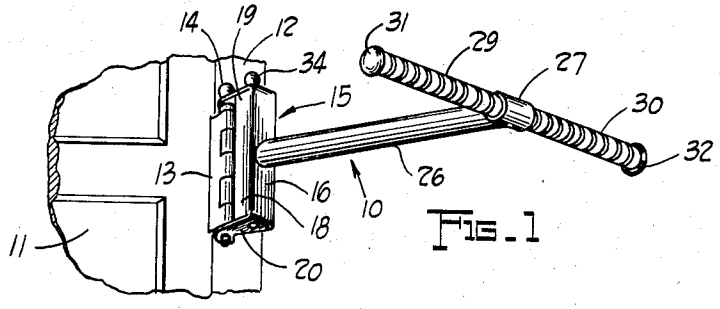


Fig. 1

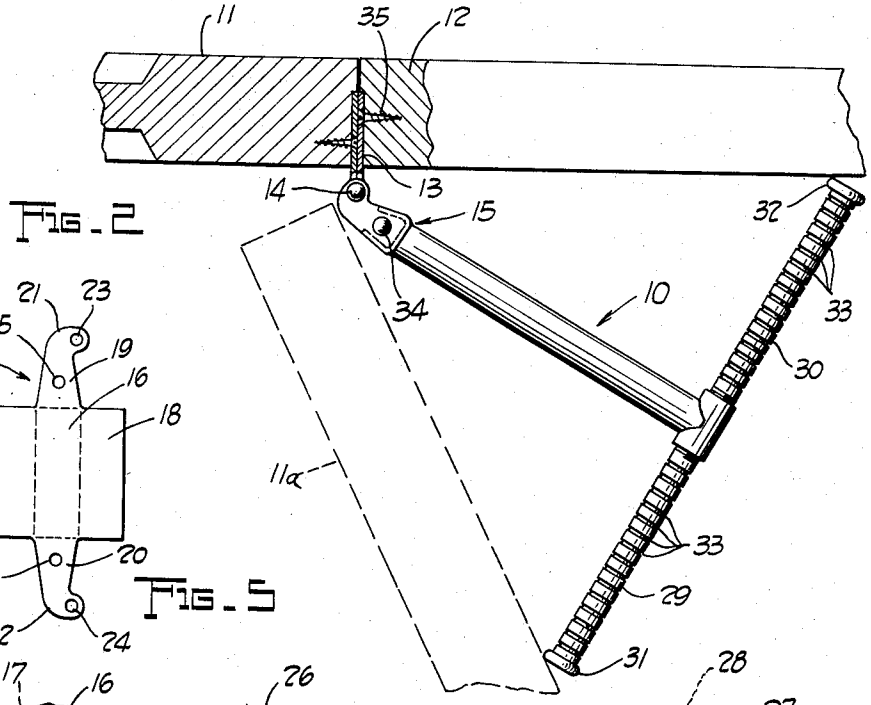


Fig. 2

Fig. 5

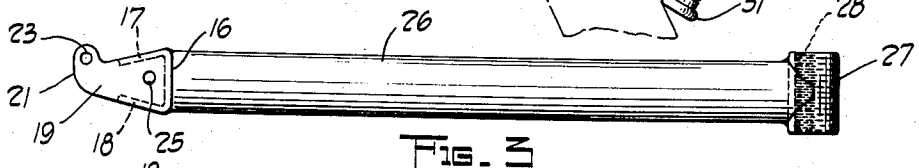


Fig. 3

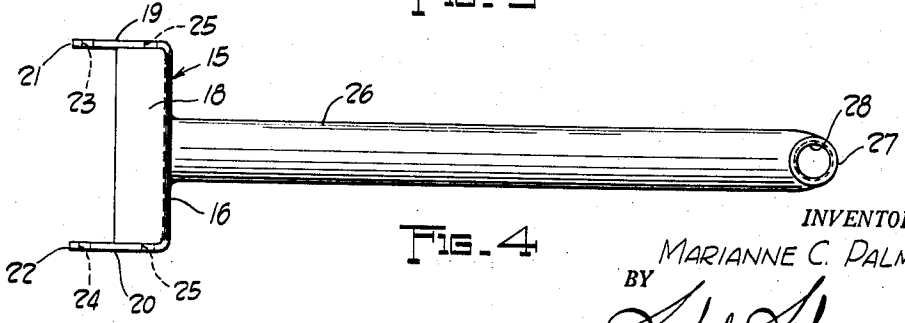


Fig. 4

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CLOTHES HANGER

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1 Claim. (Cl. 248—205)

This invention relates to clothes hangers and particularly hangers in association with door hinges.

The primary object of this invention is to provide a device for supporting a number of conventional wire clothes frames or spreaders, upon which coats, dresses, or other garments are then hung for the purpose of preserving their form and shape.

Another object is to provide a temporary form of hanger which is adapted for removable attachment upon a door hinge, the same including an arm arranged to project out horizontally from the hinge and upon which the said clothes frames or spreaders may be hung in spaced relation.

A further object is to provide a device of the type stated that is unaffected by the opening or closing of the associated door, and which in turn does not affect the normal use of the door.

Another object is to provide a device which may be quickly and safely applied to a door hinge of standard type.

Still another object is to provide a clothes hanger of the type stated above which is inexpensive to produce, which is rugged in construction, which may be readily shipped or stored, and which is extremely durable in use.

These and other objects of the invention will become apparent from a reading of the following specification and claim, together with the accompanying drawing, wherein;

Figure 1 is a perspective view of a portion of a common door hung upon hinges within its frame, there being a clothes hanger made in accordance with my invention extending from and supported upon the upper hinge of the door;

Figure 2 is a top plan view of the same with the door and frame shown partly in section, and illustrating the door in an alternate open position;

Figure 3 is an enlarged top plan view of the yoke member and hanger bar in their unmounted condition;

Figure 4 is a front elevation of the same; and

Figure 5 is a plan view of the sheet metal blank from which the yoke member is shaped.

Referring more particularly to the drawing, there is seen in the Figure 1 the clothes hanger that is the subject of this invention, broadly indicated by reference numeral **10**, as it appears mounted upon a hinge **13** of a conventional door **11** hung within its frame **12**.

The door hinge **13** is of the standard type, comprising two leaves joined through intermeshed sleeves held together by a pintle pin.

The hanger **10** is preferably fabricated of metal, suitably coated with paint or a plating of corrosion resisting material, to enhance both its appearance and durability.

The yoke member **15** is cut and shaped from a single blank of sheet metal, as illustrated in Figure 5. The cut blank is bent upon itself to form two U-shaped elements having a common base **16** and lying at 90 degrees to one another in horizontal and vertical planes.

The arms or top and bottom walls **19** and **20** of the horizontal U-element are bent into spaced parallel relation extending laterally of the base **16**.

The arms or side walls **17** and **18** of the vertical U-element are folded toward one another and nested between the arms **19** and **20** of the horizontal U-element, as seen in Figures 3 and 4.

When so positioned, the top and bottom edges of the arms **17** and **18** abut the lower face of arm **19** and the upper face of arm **20**, and are tack welded thereto to form a reinforcing support for the arms **19** and **20**. The so arranged elements provide a rigid yoke **15** that is capable of resisting distortion and flexing.

The free termini or ends **21** and **22** of the yoke arms **19** and **20**, respectively, are shaped to match the shape of the door hinge sleeves and have bores **23** and **24** therethrough of a diameter similar to that in the door hinge sleeves.

The bores **23** and **24** are aligned vertically on a common center. The distance between the arms **19** and **20** is such that the yoke may be positioned over the top and bottom faces of the intermeshed hinge sleeves, as seen in Figure 1.

Reference numeral **26** indicates a bar or tube that is welded or otherwise attached to the yoke base **16**. The bar **26** extends laterally of the yoke **15** in a horizontal plane, when the device is mounted on a door hinge, as shown. A suitable length for the tube **26** is approximately one foot, but this may be varied as desired. A pipe coupling **27** is welded to the free end of the tube **26**, as shown in Figures 3 and 4. The threaded bore **28** of the coupling **27** is positioned in a horizontal plane normal to the axis of the tube **26**.

Two hanger arms **29** and **30** are threadedly mounted in the coupling bore **28** for easy removal for packaging. Reference numerals **31** and **32** indicate rubber bumpers which cover the ends of the arms **29** and **30** respectively. These bumpers act to prevent the marring of the surface of the door and adjacent wall when the door **11** is swung to its extreme open position **11***a*, against the clothes hanger **10**, as seen in Figure 2.

A plurality of spaced circumferential grooves **33** are cut in the surface of the arms **29** and **30** and act as locating means for spacing wire coat hangers that are suspended from the arms, so that the supported garments will not be crushed against one another.

To attach the device to a door, it is only necessary to remove the pintle pin from the hinge **13**. The yoke arms **19** and **20** are then slipped over the top and bottom faces of the intermeshed hinge sleeves, and positioned so that the bores **23** and **24** of the yoke sleeves **21** and **22** are aligned with the bores in the intermeshed sleeves of the hinge **13**. A pintle pin **14**, supplied with the device, is then inserted through the yoke and hinge sleeves to lock the yoke and hinge in swiveled engagement. The original door hinge pintle **34** is stored in holes **25** of the yoke until such time as the device is to be removed from the door.

The so interlocked clothes hanger is free to pivot about the pintle pin **14**, while at the same time he leaves of the hinge **13** are similarly free to pivot relative to each other in their normal manner.

The hanger **10** may be positioned against the wall as shown in Figure 2, or may be swung out for more convenient use, as shown in Figure 1. In all events, the use of the door is unaffected by the pressure of the clothes hanger **10**, since the weight of the hanger and suspended garments is not borne by the door itself.

Furthermore, since the hinge **13** is firmly attached to the door frame **12** which is in effect a part of the building structure, the load on the hanger **10** is limited only by the strength of the hanger **10** itself. It will be

noted that the forces acting upon the hinge are at right angles to the hinge securing screws **35**. The shearing force created by the weight of the hanger **10** is easily resisted by the screws **35** which are supported along their entire length by the frame material, as seen in Figure 2.

It will now be clear that there is provided a device which accomplishes the objectives heretofore set forth. While the invention has been disclosed in its preferred form, it is to be understood that the specific embodiment thereof as described and illustrated herein is not to be considered in a limited sense as there may be other forms or modifications of the invention which should also be construed to come within the scope of the appended claim.

I claim:

A clothes hanger adapted to be mounted on a door hinge of the type having intermeshing sleeves and a removable pintle, comprising in combination, a unitary yoke, comprising, sheet material bent upon itself to form a base, parallel top and bottom walls perpendicular thereto and two side walls perpendicular to both the top and bottom walls, nested therebetween and connected to said top and bottom walls to form reinforcing supports therefor, the so shaped yoke being open to the front, and a hanger bar mounted on the yoke base and extending laterally thereof in a horizontal plane, the termini of the top and bottom walls being mountable on the door hinge and having aligned bores to receive the hinge pintle therethrough.

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