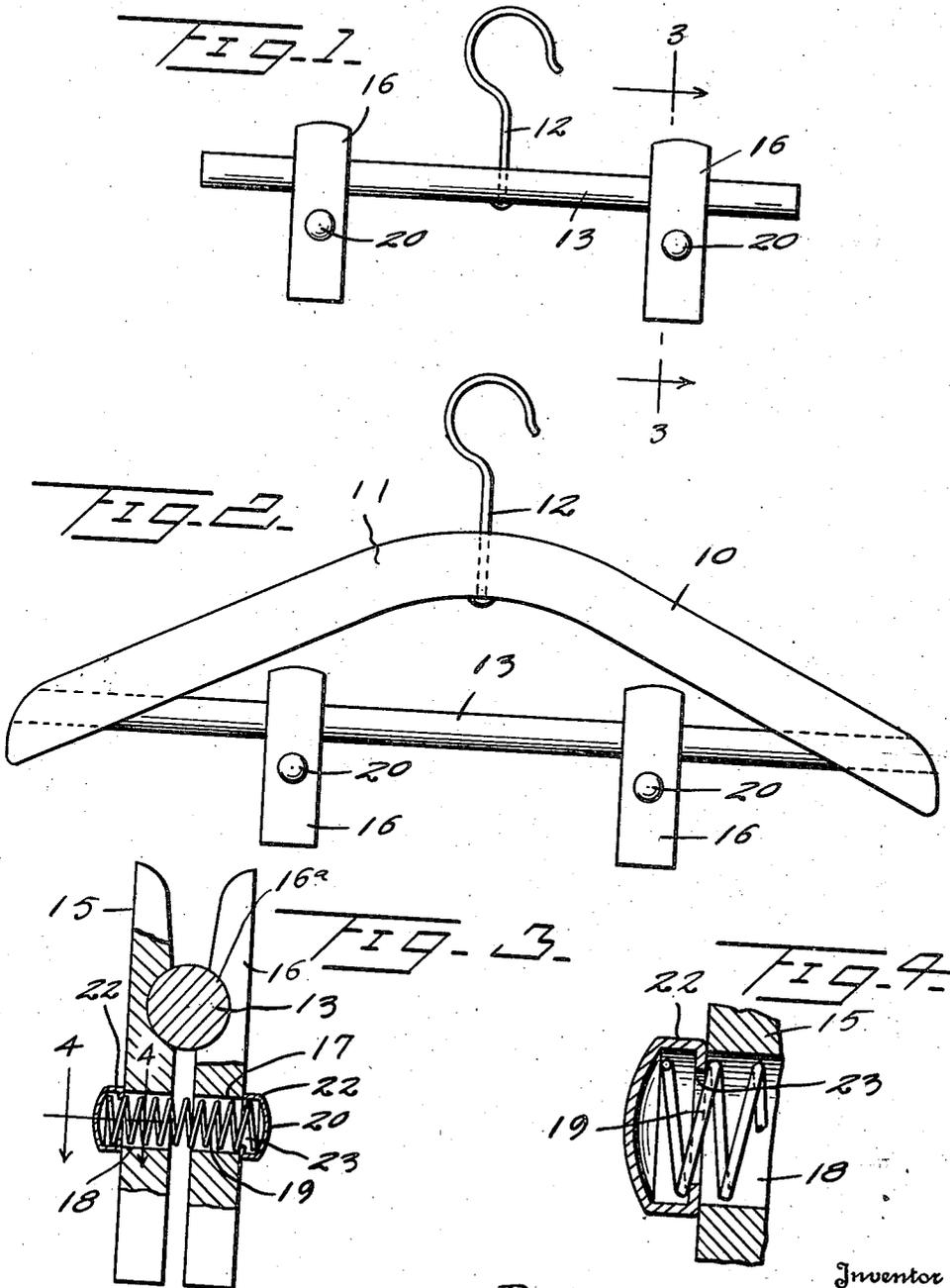


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GARMENT HANGER
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GARMENT HANGER

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2 Claims. (Cl. 24—254)

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This invention relates to improvements in garment supporters and more particularly to means for clamping the supported end of the garment suspendingly of the garment supporter.

One of the objects of this invention is to provide a simple, efficient and inexpensive device of the character described in which is embodied a novel expedient in the nature of a spring for yieldingly holding and releasing the supported end of the garment with respect to the hanger part of the device.

It is well known that garment supporters such as trousers and skirts supporting hangers, for use in wardrobes and the like are quite often arranged in close proximity to each other, so that a large number of them are placed side by side. It is desired, in such cases to prevent accidental detachment of any garment holding part should any part of clothing supported by any garment hanger come in proximity thereof. My present invention encases the springs which hold the garment supporting clamps upon the garment supporter proper to prevent any part thereof projecting outside from the clamp.

Another object of the invention is to provide, in a device of the kind described a novel form of clamp designed to permit ready engagement with and disengagement from the usual rod upon which the clamps are positioned for garment supporting purposes. The usual clamps have springs for closing the jaws one against the other and for centering the jaws properly as well, and their terminals are hook shaped or latch shaped to provide frictional interengagement between the clamping jaws and the thing to be held thereby. The present clamps, constructed on the same order of jaws which open and close under influence of a spring, provides for locating the spring midway the ends of the two confronting jaws, allowing their inner ends to be hung swivelably upon the supporting rod of the hanger, and allowing the spring to serve the function of drawing together resiliently and separatedly the lower garment holding ends of the clamps.

With the above and other objects in view my invention consists in the combination, arrangement and details of construction disclosed in the drawings and specification and then more particularly pointed out in the appended claims.

In the drawings, wherein similar reference characters designate similar parts throughout the respective views,

Figure 1 is an elevation of one form of my invention,

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Figure 2 is an elevation of another form of my invention,

Figure 3 is a cross-sectional view showing the clamps hung upon a supporting post or rod, and

Figure 4 is a fragmental sectional detail view showing the mounting of the spring end in the closure cap therefor.

In the drawings, which are merely illustrative of my invention I disclose the garment hanger. In its elemental construction it need consist only of a cross rod 13 carrying between the ends thereof of the usual hanging hook member 12; but in another form, for strengthening purposes it may consist of the cross rod 13 supported upon its opposing ends in the lower diverging arms 10 and 11 of the main garment supporter, upon which centrally and at its top the attaching hook member 12 is secured.

I design a special form of clamp, and use two such special clamps for pivotal suspension upon the supporting cross rod 13. Each clamp consists of a pair of oppositely arranged arms 15 and 16 respectively made of wood or other light material, upon whose inner surfaces transverse arcuate grooves 16a are formed so that when presented in contact with diametrically opposite surfaces of the rod 13 and pressed yieldably thereagainst these inner ends of the arms 15 and 16 may be swivelably mounted with respect to this rod which latter is the sole means of support for the clamp upon the rod.

To allow the arms 15 and 16 to be detachably mounted upon the post when it is desired to use the garment supporter to suspend trousers or skirts upon the usual coat hanging part or support, is the purpose of this invention, which function is carried by means of the resilient means about to be described.

I provide a coiled spring 19; and I form upon the intermediate portions of arms 15 and 16 cylindrical holes 17 and 18 respectively so that the opposing ends of springs 19 may be snugly received into these holes and line them up to properly center the spring so it spans across the cross-sectional area of both arms. Cylindrical closure caps 20 formed with a cylindrical body 22 and an annular base flange 21 are threaded onto the opposite ends of spring 19, the degree of threading of the two caps onto the springs determining the tension of the spring. It will thus be seen that the diameter of the spring 19 is made of slightly lesser dimensions than holes 17 and 18 of arms 15 and 16, so that the arms may slide upon the spring towards each other when the arcuate ends of these arms are free from a point

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of suspended engagement. In the relationship there is no clamping action exerted by the spring upon arms 15 and 16 at all until they are placed upon the rod 13 of the garment supporter. This is done by causing the arms 15 and 16 of each clamp to be separated, far enough at their inner ends to allow the arcuate grooved portions thereof, as at 16a to slide against opposite points of the rod 13, the spring being made just long enough to frictionally engage the arms around the rod 13. By taking hold of the upper ends of the clamp arms 15 and 16 and squeezing them forcibly together, relatively of the ends of the spring 19, the caps 20 being secured to the spring 19 and bearing against the outer sides of the arms 15 and 16 will expand the spring accordingly, as soon as the lower ends of the arms separate far enough to increase the clearance between the arms and permit the trousers, skirt or other garment to be inserted between both arms, after which pressure is released from the arms allowing the spring to relax, and in so doing causing the arms to clamp the garment releasedly.

I do not mean to confine myself to the exact details of construction disclosed but cover all details of the appended claims.

What I claim is:

1. A spring-pressed clip comprising a pair of flat jaw members disposed in confronting relation and having complementary arcuate seats inwardly from one end thereof, a fulcrum member disposed between said jaw members in said seats, said fulcrum being of such size that said

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jaw members will be held in spaced relation, said jaw members having a pair of aligned openings spaced from said seats, a jaw tensioning spring extending through said openings, and a pair of flanged spring tensioning members threaded onto the opposite ends of said spring for placing said spring under a predetermined tension pressure.

2. A spring clip comprising a pair of jaw members, disposed in confronting relation, a fulcrum member between said jaw members spaced from one end thereof disposing said jaw members in spaced relation, a jaw tensioning spring engaging through said jaw members spaced from said fulcrum, and a spring tensioning member threadably engaging said spring and abutting said jaw members for placing said spring under a predetermined tension.

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