No. 737,234. PATENTED AUG. 25, 1903.

L. HILL.

HANGER.

APPLICATION FILED AUG. 14, 1902.

NO MODEL.

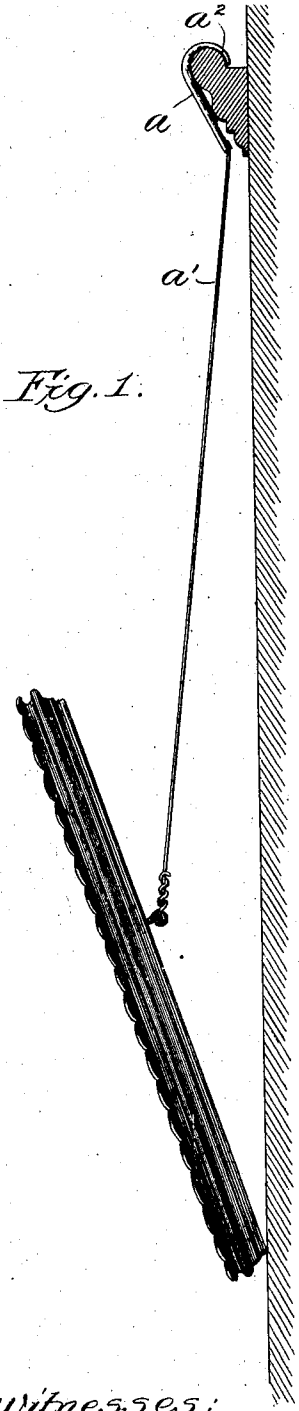


Fig. 1.

Fig. 2.

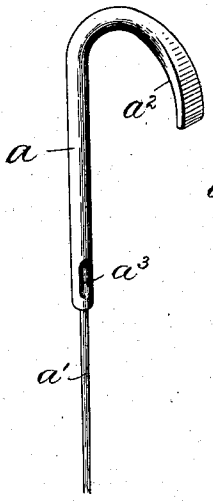


Fig. 3.

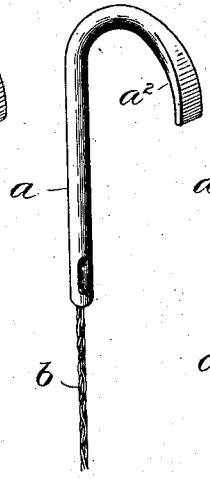


Fig. 4.

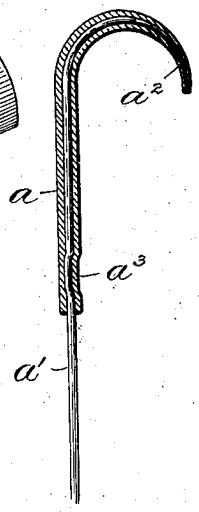


Fig. 5.

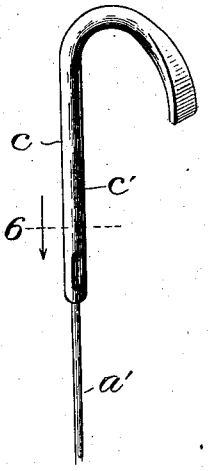


Fig. 7.

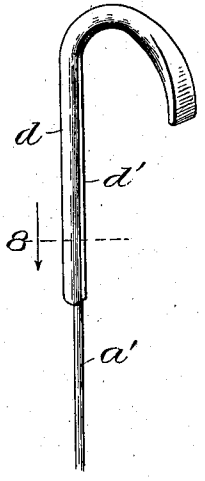


Fig. 6.

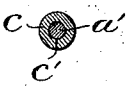


Fig. 8.



Witnesses:
Chas. P. Gaylord.
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 737,234. Patented August 25, 1903.

UNITED STATES PATENT OFFICE.

LEROY HILL, OF CHICAGO, ILLINOIS.

HANGER.

SPECIFICATION forming part of Letters Patent No. 737,234, dated August 25, 1903.

Application filed August 14, 1902. Serial No. 119,642. (No model.)

To all whom it may concern:

Be it known that I, LEROY HILL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Hangers, of which the following is a specification.

My invention relates particularly to picture-hangers, though the improved hanger is applicable to other purposes.

My primary object is to provide a simple and inexpensive hanger which can be applied to a picture-molding with ease and the parts of which cannot become disconnected and lost.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 represents a picture suspended by means of the improved hangers; Fig. 2, a broken perspective view of one of the hangers; Fig. 3, a similar view of a modification; Fig. 4, a broken sectional view of the hanger shown in Fig. 2; Fig. 5, a broken perspective view illustrating a modification of the hook employed; Fig. 6, a section taken as indicated at line 6 of Fig. 5, illustrating another modification of the hook. Fig. 7 is a perspective view of a modification, and Fig. 8 a section taken as indicated at line 8 of Fig. 7.

In the preferred construction I employ a short seamless metal tube and a wire or cable having one end passing through or substantially through said tube, the tube being curved and flattened upon the wire to form a hook and render the parts inseparable.

In Figs. 1, 2, and 4, a designates a hook-form sheath formed from seamless metal tubing, and a' a single soft wire of fine gage extending through said sheath and forming therewith a hook. The sheath is flattened and widened at a^2, so as to taper to its extremity and afford a broad bearing for engaging the molding. It will be understood that the forming and flattening can be done at one operation. The sheath is struck in at a point a^3 on the inner side of the base of the hook, so that the wire is firmly gripped at that point also. This is done without changing the contour of the hook on its outer or convex side.

In Fig. 3 the construction is like that just described, except that the single wire a is replaced by a cable b of braided fine wires.

In Figs. 5 and 6 the seamless sheath a is replaced by a made-up tube c, having a seam c'.

In Figs. 7 and 8 the sheath comprises a short section d, of comparatively heavy wire, having a longitudinal slot d', serving to receive the fine wire a'. The groove is at the inner or concave side of the hook, and the sheath is clenched firmly upon the wire.

In hanging a picture, for instance, two of the improved hangers are employed, preferably. The suspension-wires usually are sufficiently stiff to enable the hooks to be raised through their medium and yet are sufficiently flexible to permit them to be coiled readily for packing purposes. The former quality enables a picture to be hung without the use of a step-ladder, the wires being connected with the picture in the usual manner either before or after the hangers have been applied to a molding. When in service, the wire is at an angle to the shank of the hook, increasing the efficiency of the grip of the sheath upon the wire.

It is obvious that a single wire can be employed, if desired, by equipping the wire with a hook at each end. In some instances it may be desirable to insert two wires instead of one into a single hook, in which case but one hook would be required for hanging a picture.

Changes in details of construction within the spirit of my invention may be made. Hence no undue limitation should be understood from the foregoing detailed description.

What I regard as new, and desire to secure by Letters Patent, is—

1. An improved hanger of the character described, comprising a curved tubular hook-form sheath, and a flexible member extending longitudinally into said sheath and gripped therein, for the purpose set forth.

2. An improved hanger of the character described, comprising a hook-form sheath having a flattened hollow extremity, and a flexible member extending longitudinally into and gripped by said sheath, for the purpose set forth.

3. An improved hanger of the character described, comprising a curved and flattened seamless tube, and a flexible member extend-

ing longitudinally into said tube and gripped by the inner walls of said tube, for the purpose set forth.

4. An improved hanger of the character described, comprising a tube and a wire extending therethrough, one end of said tube and the corresponding portion of said wire being curved into hook form and the free extremity of the tube flattened to afford a bearing and grip the wire, for the purpose set forth.

5. An improved hanger of the character described, comprising a tube and a wire extending therethrough, one end of said tube and the corresponding portion of said wire being curved into hook form, the free extremity of the tube flattened to afford a bearing and grip the wire at that point and the base of the tube struck in to grip the wire thereat, for the purpose set forth.

6. An improved hanger of the character described, comprising a tube and a flexible connection extending therethrough, one end of said tube and the corresponding portion of said flexible connection being curved into hook form and the free extremity of the tube flattened to afford a bearing and grip the flexible connection, for the purpose set forth.

7. A picture-frame hanger, comprising a tubular-bodied hook, a flexible connection passed at one end through the tubular hook, said flexible connection being held in the hook by the bend of its body, and means for attaching the other end of said flexible connection upon a frame.

8. A picture-frame hanger, comprising a tubular-bodied hook, a flexible connection passed at one end through the hook, the hook end being flattened transversely to seat in the groove of a molding-strip and hold it from side sway on said molding-strip, and means for securing the opposite end of the flexible connection upon a frame.

LEROY HILL.

In presence of—
L. HEISLAR,
WM. B. DAVIES.