WIRE DRAPERY HANGER
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1. Claim. (Cl. 24—86)

This invention relates to detachable connectors, especially adapted to adjustably position sheet material along a horizontally extending support.

This invention has utility when incorporated in a one-piece wire combined pin, clamp and hook unit for household hangings, such as draperies and the like.

Referring to the drawings:

Fig. 1 is a fragmentary view, looking from the within-the-house side of a drapery hanging as at a window, showing one of the units assembled in the drapery and an additional unit on the drapery or curtain carrier rod or channel;

Fig. 2 is a side elevation of the unit of Fig. 1, in engaging position as to its pin portion with the drapery or hanging, and with its hook as to the support;

Fig. 3 is an edge elevation of the unit from the hook side thereof; instead of from the pin side showing in Fig. 1, these being dotted line showing of a slidable eye device carried by the support, with which the hook of the unit is engaged;

Fig. 4 is a side elevation of the unit in open or released position, and clear of any hanging or hook support engagement, and

Fig. 5 is a plan view of the unit closed, or with the point portion of the pin engaged by the keep therefor.

The normal practice for household interior hangings is to locate crosswise near the top of the opening or window a rigid horizontally extending bar or support, herein shown as a channel. In some practices a roller may ride in the channel with a suspension arm therefrom for an eye.

The hanging proper may be a flexible fabric sheet or drapery, with a down-fold portion from its top. Stitching may close the bottom of the down-fold portion to leave a tubular region.

From an upwardly extending point, there is in the wire unit, a relatively rigid straight downwardly extending major length arm. The wire in the unit is shown as round or of generally cylindrical form. The upward direction of the point is considered as the normal direction for use, although the pin, clamp and holding hook unit may be assembled in other tension or holding relations.

Remote from the point, the arm extends to a return bend or loop, nearly to touching or having a close clearance with the arm, as a clamp arm extends along and in yield proximity to the arm.

Herein shown as in the vicinity of the mid portion or slightly thereabove as to the arm, there is a turn of say about 45° at a bend connecting the clamp arm with an offset. The offset extends to a bend for a hook downside portion, shown as but slightly away from parallel to the clamp arm. The portion has a slight outward rectifying return bend with hook downside completing portion rising therefrom in abutting proximity to the section and the portion.

At the region of the abrupt bend, there is a more open bend to a relatively flexible arm extension from the portion and the bend. In the preferred embodiment, the arm, loop, clamp arm, bend, offset, bend and the downportion lie in or approximately lie in a plane. Therealong or thereagainst, the up portion, bend and the arm, approximate a parallel or adjacent plane, in which the arm is in the range of 90° in diverging from the offset.

At the upper or free end of the arm is a return bend or keep for engaging the point or the arm adjacent such point.

The construction provides but slight give or spread for a hook between the loop and the return bend.

The divergence of the arm from its mounting thru the offset and that portion of the straight arm between the bend and the point, forms an approximately right angle triangle, with the right angle at the region of the bends and. There is thus provided a clearance region, in which there may be a puckering of the fabric of the drapery or hanging being suspended. There is practical advantage in this feature. It is desirable to have the fabric taut between the clamp arm and the relatively rigid straight arm. This course may crowd some of the hanging material along into the triangular clearance region.

The gripping action of the clamp at the region between the clamp arm and the straight arm has the yieldable throw at the loop. Additionally, there may be some flexing of the arm toward the offset, as well as for the arm in snapping the point into the keep.

This give, besides between the bend and the arm, may also be to some extent present at the bend adjacent the bend. In practice this means that fabrics or hangings of considerable variation in thickness may be firmly gripped and properly supported to provide decorative effect. This is a handling of the drapery with avoidance of tearing or contributing to injury even of rare or costly materials.

The feature of the construction disclosure herein with the bow of the loop to reduce the entrance to the hook is effective in cooperating against juggling of the hanger upward off the support, especially at careless handling of the suspended drapery. Furthermore, with this bow of the loop away from the straight
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side of the arm \textit{f}, there is minimized any buckling outward of the drapery in its portion \textit{g} as caused by the wire hanger unit herein.

What is claimed and it is desired to secure by Letters Patent is:

A drapery hanger formed of a continuous piece of bent wire having two sections in adjacent parallel planes, one section comprising a straight pin portion pointed at one end and forming a side loop at the other end connecting with a straight clamping portion extending part way back along said pin portion to clamp against said pin portion and then bending away therefrom to an apex from which apex a return portion extends forming a U-type hook between said return portion and said clamping portion; and the other section comprising a portion parallel and adjacent said return portion and connected thereto at the hook end thereof and projecting beyond said apex toward said pointed end of said pin portion forming a triangle with the remaining pin portion and said bent away portion, and then bent around said pointed end into the plane of said one section forming a keep for said pin portion which normally is held therein by the spring imparted to said pin portion by said loop, whereby engagement and disengagement of said keep with said pointed end is facilitated by the fact that the keep supporting portion is outside the plane of said pin portion.

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REFERENCES CITED

The following references are of record in the file of this patent:

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<th>Number</th>
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