June 21, 1932. A. RICHTER 1,863,638

DETACHABLE PLAIT HOOK

Filed June 5, 1931

FIG. 1.

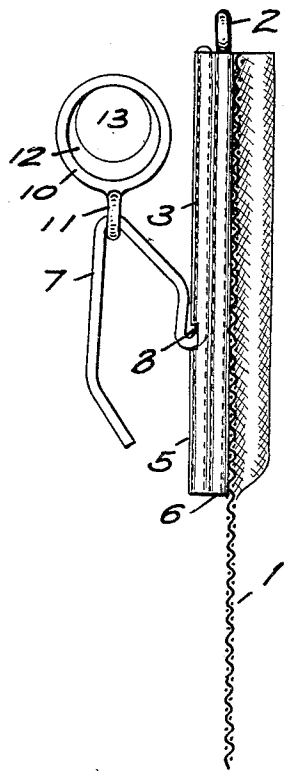


FIG. 2.

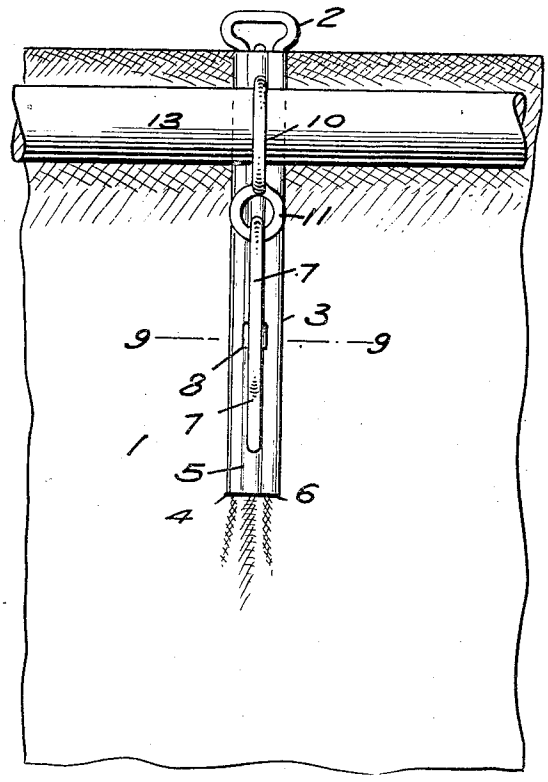


FIG. 3.

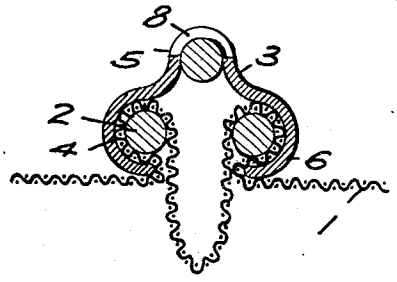
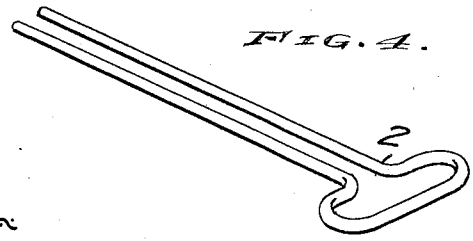


FIG. 4.



Inventor

ALFRED RICHTER

By Chester W. Brown

Attorney

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UNITED STATES PATENT OFFICE

ALFRED RICHTER, OF CHICAGO, ILLINOIS

DETACHABLE PLAIT HOOK

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In hanging window and other curtains, it has been the usual practice to sew hooks or rings to the curtain at its upper edge, and suspend the curtain by passing the rings or hooks over a suitable rod or pole suspended at the top of the opening to be covered by the curtain.

The object of the present invention is to provide easy, quick and adequate means of attachment of the curtain fabric to the hooks or rings for suspending the curtain, without the necessity of sewing them thereto.

Another object is to provide means for attachment of the curtain fabric to the hooks or rings, by means of which it is to be suspended, and which such means provide ready and quick detachment of such hooks without cutting any sewing or stitches.

Another object is to provide means for attachment of the curtain fabric to the rings or hooks in such manner that there is no liability of the curtain fabric being torn, injured, punctured or otherwise damaged, in attaching or detaching such hooks.

With the above, and other objects in view, which will more particularly appear from the illustrations and specifications herein, my invention consists of the parts and arrangement of parts shown in the accompanying drawing, in which,

Figure 1 is a side elevation of my invention as employed in suspending the curtain 1 shown in section therein.

Figure 2 is a rear elevation showing a portion of a curtain suspended to a pole by means of my invention.

Figure 3 is a cross-section taken along the line 9—9 in Figure 2.

Figure 4 is a detail view of the looped wire 2.

In hanging curtains to cover window, and other openings, it has formerly been the custom to provide suitable fabric curtains, and sew thereto suitable hooks or rings, which rings or hooks are passed over suitable poles or rods mounted above such openings. This provides a means of mounting such curtains whereby it is possible to slide the curtains backward and forward across said opening to cover all or any portion thereof desired.

In attaching such rings or hooks to the curtains, it has been the usual practice to sew such rings or hooks to the curtains by means of stitches taken with thread and needle, and such sewing, not only punctures the fabric, but supports the curtain from a very small portion of the fabric, which is liable to tear if unusual strain is placed upon such curtain. Again, it is necessary to rip such stitches whenever it is desired to remove the hooks or rings in preparation for laundering or cleaning.

The present invention provides a means of attaching the hooks or rings by attachment to a larger area of the curtain, avoiding liability of tearing the same under strain, and also saves labor of sewing, and ripping the stitches each time that the curtain is laundered, and also the liability of damaging such curtain in sewing and ripping such stitches.

To accomplish this purpose, I employ the means shown in the accompanying drawing, in which 1 represents any usual curtain or other fabric which it is desired to suspend by means of hooks or rings to a rod as above described. 2, Figure 4, shows a detail view of a looped wire of the shape shown formed of, preferably, round wire in order that it will present no sharp or rough edges in contact with the curtain to which it is attached. 3 represents a sleeve, open at the front as shown in Figure 3, and formed with the three longitudinal recesses 4, 5 and 6 as shown in Figure 3, the purpose of said recesses being explained hereinafter.

To permit attachment of the device to a rod (as sometimes required), a hook of the shape shown at 7 is attached to the rear of the sleeve 3. This hook is preferably formed of round wire, and of the shape shown, having the portion adjacent to the sleeve passing through an opening 8 in the rear of said sleeve, and securely soldered in the recess 5 provided therefor in said sleeve. When it is desired to suspend the curtain from a curtain pole, a double ring as 10 is also provided, and the sleeve is attached to said ring by hooking the hook 7 into the lower opening in said ring, at 11, the larger upper opening

at 12 being of a suitable size to pass loosely over the pole 13.

To suspend a curtain by my aforesaid described invention, the upper edge of the curtain is formed into two plaits, as usual, as the curtain is generally provided of greater width than the opening in order that it may thus be formed into plaits, and hang more artistically and gracefully before the opening. Within these plaits is passed the two arms of the loop 2, and the sleeve 3 is passed over said loop 2, and the fabric 1 (looped about the same), the arms of the loop and the fabric being in secure engagement with the longitudinal recesses 4 and 6, which retain said loop and said fabric in secure engagement with said sleeve, and with the hook 7 attached thereto. To disengage the said curtain, it is only required to slide the loop 2 upward, until the arms of the loop 2 are disengaged from the recesses 4 and 6, and the sleeve may be freely removed from attachment with said curtain. By this means the surface of the curtain in actual engagement with my device may be of any desired length to properly support said curtain, and no matter how delicate the fabric, there is sufficient surface in engagement with said device to prevent tearing under strain.

It will be apparent from the foregoing, that I have provided a safe, secure, and efficient means of attachment of the curtains to hooks or rings for suspending the same, without necessity of sewing, puncturing or otherwise damaging such curtains. It will be apparent that my said device may be easily and quickly attached and detached from said curtain. By attaching a suitable number of my devices at desired distances, any curtain may thus be easily and quickly suspended from the rod or pole, and in case of rings, it will not be necessary to detach the rings from the pole, as the curtain may be merely unhooked therefrom. I have shown my device as adapted to the usual size and weight of curtains used in the home, but it will be apparent that by increasing the size, it may be made of suitable size and strength to support curtains or fabric of any desired thickness or weight. While I have shown my device as preferably employed by me in hanging curtains suitable for the residence, yet the style and shape of said device may be changed in minor details without departing from the spirit of my said invention.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is the following:—

1. In a curtain supporting device, the combination of a member having longitudinal grooves, a looped pin adapted to engage and be retained in two of said grooves, and a hook member attached to said first named member, said hook being adapted for engagement with a rod.

2. In a curtain supporting device, the combination with a main member, of longitudinal grooves formed therein, a hooked member attached to said main member, and a looped pin having an enlargement at one end, said looped pin being adapted to engage and retain a curtain member in engagement with said grooves in said main member.

3. In a device of the class described, the combination of a main member having three longitudinal channels formed therein, a hook member passing through an opening in said main member, and attached in one of the said channels therein, a double pin member, an enlarged portion at one end of said double pin member, said double pin member being adapted to engage two of the channels in said main member, and be retained thereby and therein.

In testimony whereof, I have hereunto affixed my signature to the foregoing specification.

ALFRED RICHTER.