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(54) **Device for hanging and guiding curtains**

(57) The device comprises a tubular element equipped with a longitudinal aperture for connecting the ends of the fixing supports to a vertical surface and a second front aperture likewise extending in a longitudi-

nal manner along the tubular element and the cross-section of which substantially mates with a rod or plate surrounded by the material of the blind hung therein after its introduction into said longitudinal aperture of the tubular element from one end.

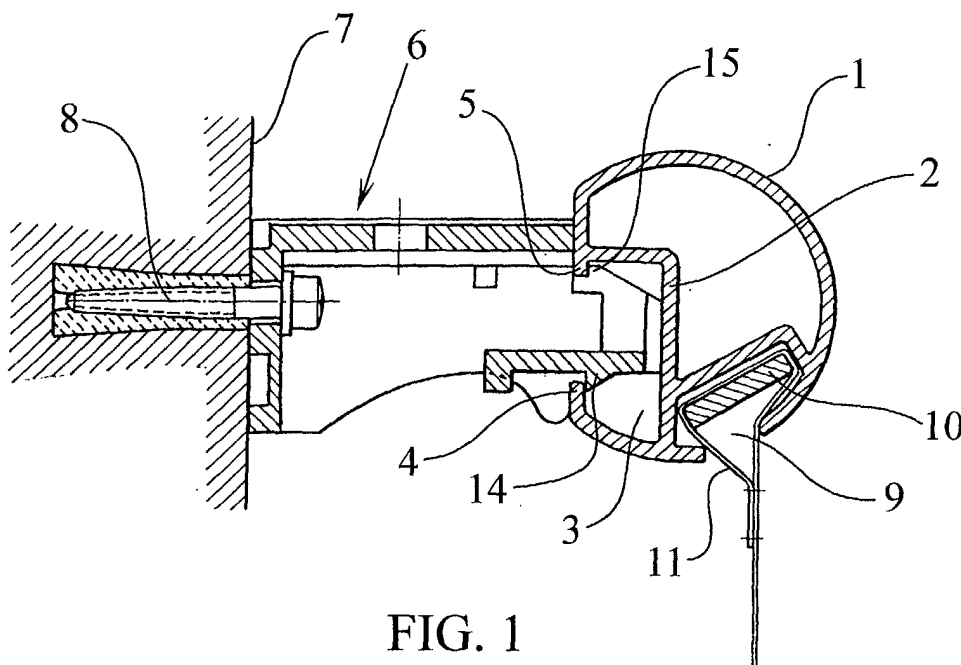


FIG. 1

Description

[0001] The present invention relates to a device for hanging and guiding curtains, in particular blinds, in other words curtains which fold up to form a series of transverse folds controlled by means of strings or cords extending vertically and associated with the different horizontal strips of said curtains. When said strings or cords are operated the successive folding of the different segments is produced, the whole of the blind finally being collected in the upper part and the opening in which they are positioned being exposed. The reverse movement is performed to close the curtain, in which case the different segments are unfolded vertically until the front of the opening is closed.

[0002] At present fixing of the supporting and guiding unit of these curtains to the upper front part of the opening to be controlled is performed by means of a base fixed to said upper vertical region of the opening and carrying one of the components of a fixing device for insertion of hooks in loops of the type known commercially as Velcro (registered trademark). However, these systems have a number of drawbacks owing to the relatively reduced stability of the fixing method and to the relatively high costs of such a system for fixing the curtain.

[0003] To resolve the drawbacks mentioned above the inventor of the present invention carried out investigations and tests resulting in the achievement of the present invention which allows very simple and economical connection of the curtain of the blind type to a support of substantially circular shape and made from extruded material. For this purpose connecting supports are arranged on the wall in a region situated above the opening to be controlled, which supports receive at one end, by screwing, pressure-fitting or other systems, an extruded tubular element with a back aperture for receiving the above-mentioned supports and a further front aperture, of which the cross-section mates with a rod surrounded by the curtain and allowing fixing thereof under the pressure inside said slot. In particular, it is envisaged that the aperture of the tubular element will be substantially rectangular in cross-section and similarly that the blind will be hung by means of a plate substantially mating therewith, allowing easy introduction of the blind into the tubular element for hanging thereof.

[0004] Drawings of an embodiment of the present invention follow by way of non-limiting example for the purpose of understanding.

[0005] Fig. 1 is a cross-section showing one of the supports for fixing to the wall and the tubular element for hanging of the curtain.

[0006] Fig. 2 is a plan view corresponding to Fig. 1.

[0007] Fig. 3 is a perspective view of the tubular element with a curtain hung therein.

[0008] Fig. 4, 5, 6, 7 and 8 are different dihedral views and a longitudinal section through one of the supports for hanging of the tubular element carrying the curtain

according to the present invention.

[0009] Fig. 9 shows a tubular element and curtain in accordance with the present invention with conventional operating devices.

[0010] As can be seen in the figures, the present invention comprises a tubular element 1 which in the figure has a substantially circular shape in cross-section although it could be of a different type without altering the present invention, said tubular element preferably being produced from an extruded synthetic material or aluminium obtained in the same manner, with an internal partition 2 forming a compartment 3 for suspension of the tubular element, which compartment is limited at its upper part and at its lower part by respective dividing members 4 and 5 for connection of supports 6 fixed to the wall 7 by means of screws or other similar means 8.

[0011] The tubular element 1 has a second compartment in its lower part, indicated by the numeral 9 and mating with the one rod or plate 10 over which one end of the curtain 11 is incorporated.

[0012] The shape of the enclosure 9 can vary, the case being shown in which its structure is substantially rectangular corresponding to that of the rod 10 with a substantially mating shape. In the illustrated case the enclosure 9 is slightly inclined with respect to the horizontal. However, said aperture can take other shapes with the sole condition that the cross-sectional shape of the rod or plate for suspension of the blind 11 has to mate substantially with that of the aperture 9.

[0013] Assembly of the blind is considerably facilitated by means of this arrangement of elements, as it is sufficient for this purpose for the rod 10 to be introduced at one end of the aperture 9 and slid under pressure until it is completely in position.

[0014] This device may be combined with rolling and restraining devices 12 for the strings or cords intended for operation of the curtain, as shown schematically in Fig. 9 by the numeral 13.

[0015] Connection of the tubular element 1 to the support or supports 6 may be achieved, as can be seen in Fig. 1, by means of small enlargements in the form of projections 14 and 15 caught by the dividing members 4 and 5 when the support 6 abuts against the partition 2. As will be understood the manner of connecting the tubular element 1 to the support 6 may be achieved in many other known ways, for example by means of the screws 16, Fig. 9, fixing of the support 17 in the tubular element 1 etc.

[0016] As is understood, assembly of curtains of the blind type is considerably facilitated by means of the design of the present invention, the means used also being substantially economical.

Claims

1. Device for hanging and guiding curtains, **characterised in that** it comprises a tubular element

equipped with a longitudinal aperture for connecting the ends of the fixing supports to a vertical surface and a second front aperture likewise extending in a longitudinal manner along the tubular element and the cross-section of which substantially mates with a rod or plate surrounded by the material of the blind hung therein after its introduction into said longitudinal aperture of the tubular element from one end. 5

2. Device for hanging and guiding curtains according to claim 1, **characterised in that** the cross-section of the receiving cavity of the blind is substantially rectangular, mating with a substantially rectangular plate surrounded by the material of the blind and joined with a certain pressure to the interior of said tubular element cavity. 10 15

3. Device for hanging and guiding curtains according to claim 2, **characterised in that** the substantially rectangular structure of the receiving aperture for the blind is inclined with respect to the horizontal. 20

4. Device for hanging and guiding curtains according to claim 1, **characterised in that** the tubular element supports are incorporated for retention of respective stops in the form of respective end claws coinciding in the interior of the respective upper and lower dividing member of the corresponding aperture of the tubular element, while the end of the fixing support abuts against an internal wall of the respective tubular element. 25 30

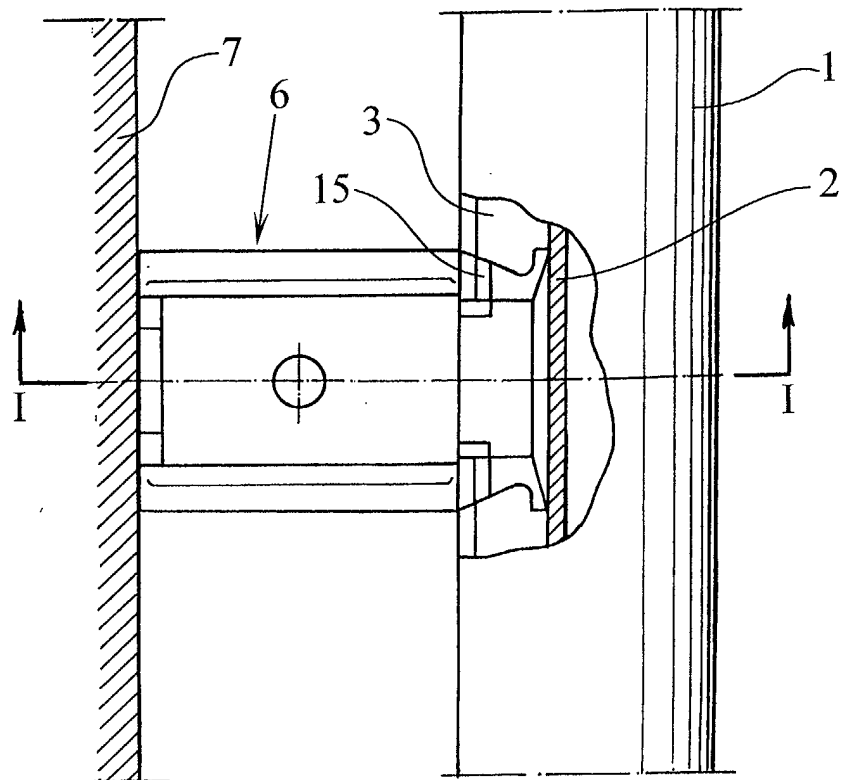
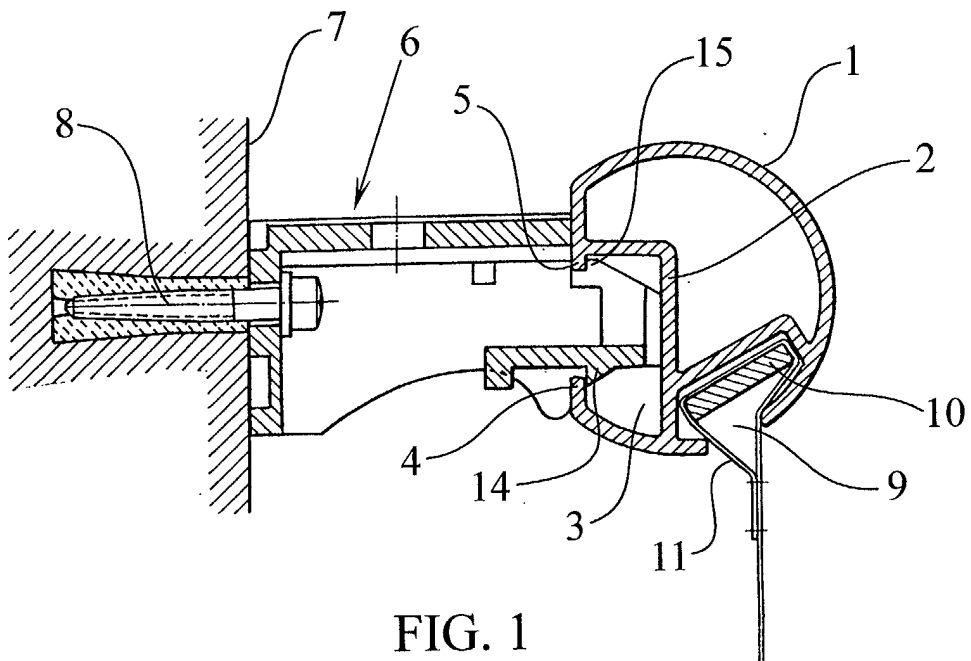
5. Device for hanging and guiding curtains according to claim 1, **characterised in that** the tubular element is created by extruding a light alloy. 35

6. Device for hanging and guiding curtains according to claim 1, **characterised in that** the tubular element is created by extruding a thermoplastic material. 40

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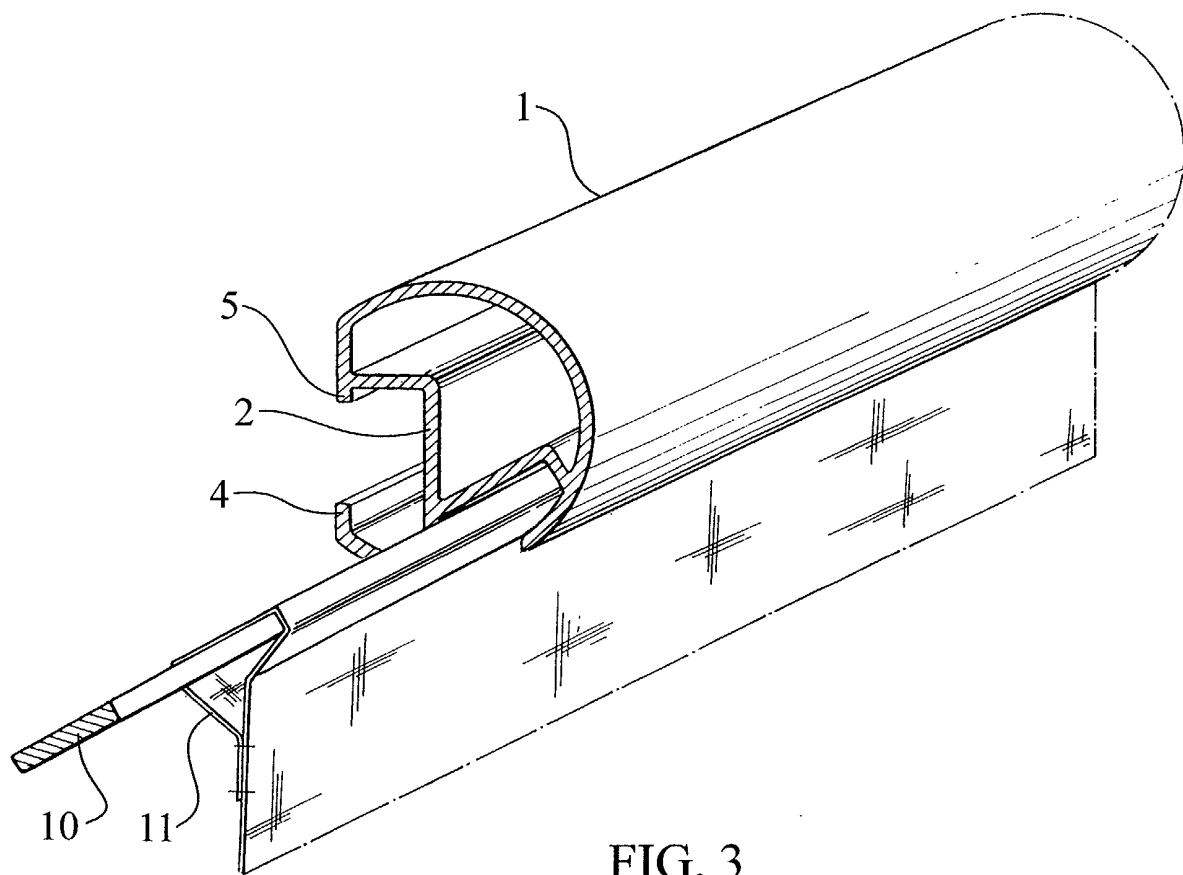


FIG. 3

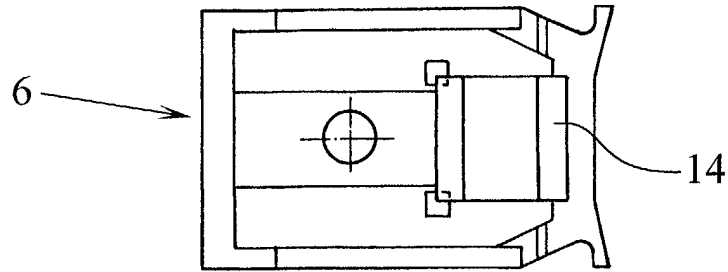


FIG. 4

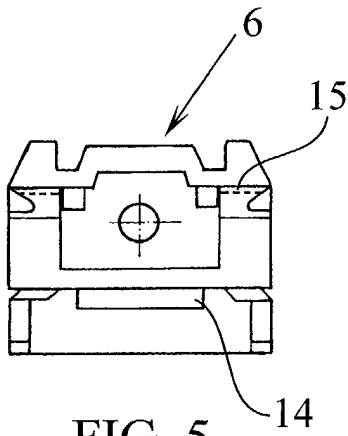


FIG. 5

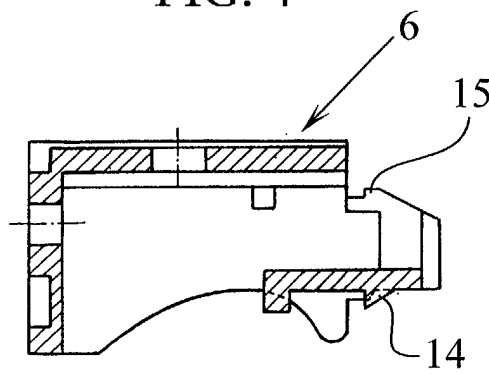


FIG. 6

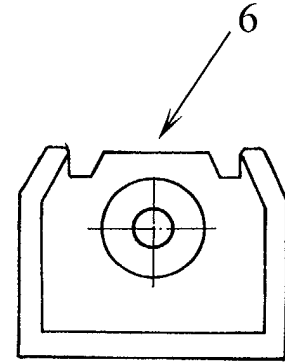


FIG. 7

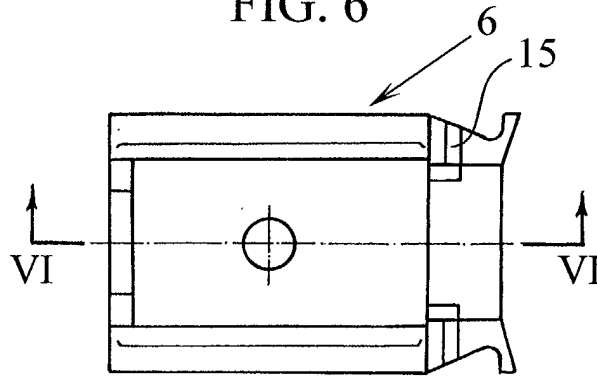


FIG. 8

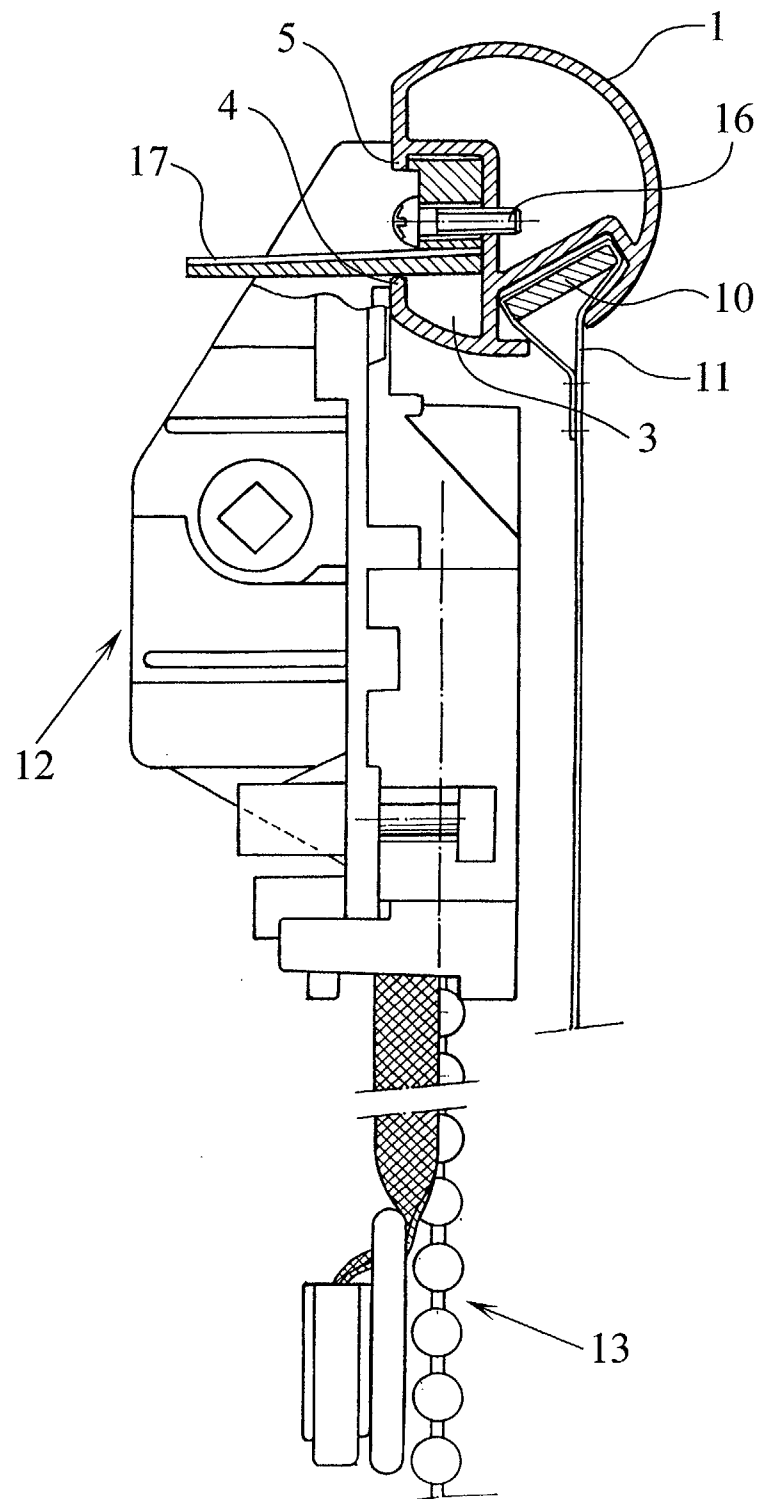


FIG. 9