United States Patent [19]

Helmer et al.

[11] **3,818,544**

[45] **June 25, 1974**

[54] **DRAW TRACK FOR DRAPES**

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[22] Filed: **Feb. 20, 1973**

[21] Appl. No.: **333,651**

[30] **Foreign Application Priority Data**

Feb. 29, 1972 Canada 135764

[52] **U.S. Cl.** ..... **16/94 D,** 16/93 D

[51] **Int. Cl.** **A47h 1/04**

[58] **Field of Search** ..... 16/94 D, 95 D, 96 D, 93 D, 16/87.6, 87.8, 87.2, 87.4; 160/345, 346, 348

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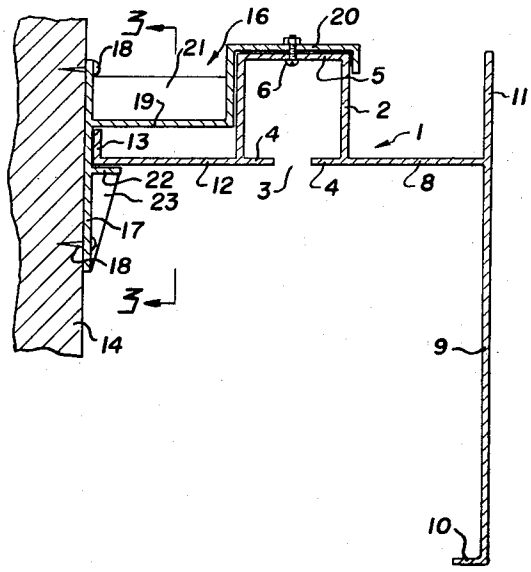
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Primary Examiner—Donald A. Griffin
Attorney, Agent, or Firm—Fetherstonhaugh & Co.

[57] **ABSTRACT**

A plastic draw track for drapes which is extruded integrally with a valance. Also moulded plastic drape carriers which are formed with four domed projections on the underside for engagement with the track, thus reducing friction. A support bracket may be provided which enables the track to be carried from a wall or window frame in those cases where the upper edge of the window opening is below ceiling level.

3 Claims, 9 Drawing Figures



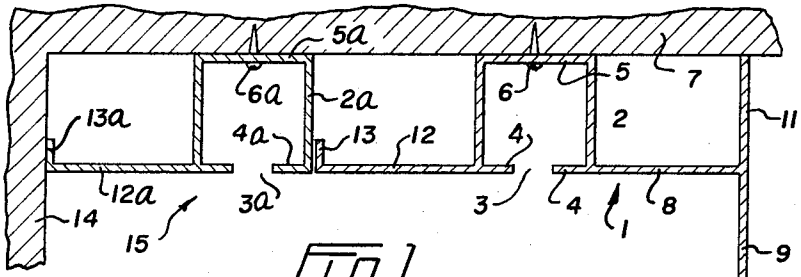


Fig. 1.

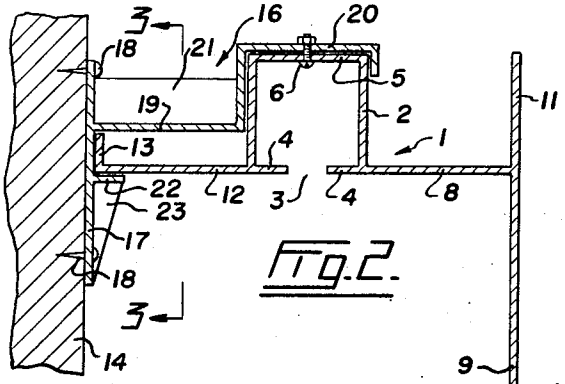


Fig. 2.

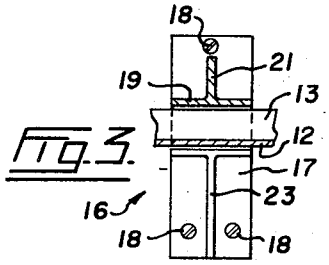


Fig. 3.

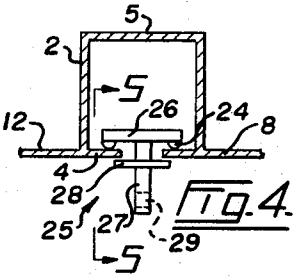
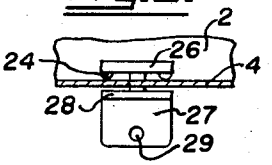


Fig. 4.

Fig. 5.



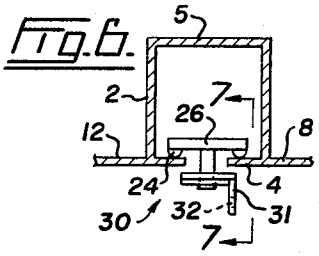


Fig. 6.

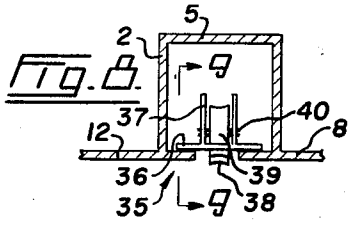


Fig. 8.

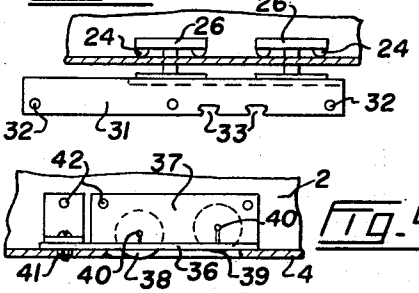


Fig. 7.

Fig. 9.

DRAW TRACK FOR DRAPES

The invention relates to draw track assemblies for drapes and in particular to an extruded draw track for use in such assemblies.

The invention provides an extruded draw track for drapes, comprising a box section portion continuously slotted along the underside to define two opposed support ledges therein for movable drape carriers, and a valance portion extending downwardly at an angle to said support ledges. Preferably the valance extends at right angles to the support ledges at the end of a spacer portion.

The invention will now be described with reference to the accompanying drawings in which:-

FIG. 1 is a sectional and elevation of an extruded draw track according to the invention together with a secondary track which may be used when parallel tracks are required,

FIG. 2 is a sectional and elevation of an extruded draw track assembled on a wall mounting bracket according to the invention,

FIG. 3 is a sectional elevation on the line 3—3 of FIG 2,

FIG. 4 is a sectional detail on the draw track showing a drape carrier,

FIG. 5 is a sectional elevation on the line 5—5 of FIG. 4,

FIG. 6 is a sectional detail on the draw track according to the invention showing a master drape carrier,

FIG. 7 is a sectional elevation on the line 7—7 of FIG. 6,

FIG. 8 is a sectional detail of the draw track according to the invention showing a pulley arrangement and,

FIG. 9 is a sectional elevation on the line 9—9 of FIG. 8.

Referring first to FIG. 1 of the drawings, the draw track 1 shown comprises a square box section 2 which is medially slotted at 3 in its lower wall to provide two support ledges 4. The upper wall 5 is apertured at intervals along its length to permit securing means 6 such as screws to be driven into a ceiling or window frame 7 from which the track is supported.

Extending forwardly from the box section portion 2 in the same plane as the support ledges 4 is a first spacer portion 8. At the forward edge, the spacer portion 8 connects with a valance portion 9 which extends substantially at right angles thereto. The valance portion 9 has a lip 10 extending rearwardly at right angles therefrom and an upward extension 11 which engages the ceiling or window frame 7.

A second spacer portion 12 extends rearwardly from the box section portion 2 in the same plane as the support ledges 4 and terminates in a lip 13 upstanding therefrom at right angles.

Where a single draw track is required, the extrusion above described is secured by the screws 6 in such a manner that the lip 13 abuts the vertical wall or window frame portion 14. However, where a double track arrangement is required, as shown in FIG. 1, a secondary track 15 is interposed between the track 1 and the wall 14. The track 15 is identical in all respects to the track 1 except that the portions 8, 9, 10 and 11 are omitted. The remaining portions will not be further described, being merely referred to by the same reference numerals suffixed a.

FIG. 2 shows an arrangement for mounting the draw track 1 of FIG. 1 where the ceiling is at too great a height above the upper edge of the window to make it practical or desirable to secure the track directly thereto. The draw track 1 of FIG. 2 is identical in all respects to that described with respect to FIG. 1 and the same reference numerals are therefore applied to corresponding parts.

In this embodiment however the draw track 1 is supported by two or more wall mounting brackets 16 (see also FIG. 3). The brackets 16 comprises a wall plate 17 in which apertures 18 are provided at the upper and lower ends for the reception of screws 18 driven into the wall 14. A first bearer portion 19 extends outwardly at right angles to the wall plate 17 and terminates in an inverted generally U shaped end 20 dimensioned to fit over the side and top walls of the box section portion 2 of the draw track. The draw track is secured to the end 20 by means of the screws 6. A vertical stiffening rib 21 extends between the wall plate 17 and the end portion 20, the ribs 21 being integrally formed with the bearer portion 19.

Beneath the bearer portion 19, a second bearer portion 22 extends from the wall plate 17 at right angles thereto and supports the rear edge of the second spacer member 12 of the draw track, the spacing between the bearer members 19 and 22 being sufficient to accommodate the lip 13. A vertical stiffening rib 23 is provided between the wall plate 17 and lower bearer member 22.

The draw tracks 1 and 15 shown in FIGS. 1 and 2 are preferably extruded from plastic material such as the rigid extrusion compound sold under reference No. 8700A by the B.F. Goodrich Company. The bracket 16 is also preferably moulded from such material.

FIG. 4 shows the box section portion of the draw track 1 with a secondary drape carrier 25 mounted therein. The drape carrier 25 is moulded from plastic material and comprises an upper rectangular plate-like portion 26 from which a lower portion 27 depends between the support ledges 4. The upper portion 26 has four domed projections on the underside which engage with the ledges 4 so as to reduce frictional resistance, and the lower portion 27 has a pair of lateral extensions 28 which engage beneath the ledges 4 and prevent inadvertent movement upwardly of the carrier into the box section 2. As best seen in FIG. 5, the lower portion 27 is provided with an aperture 29 for engagement with a hook secured to the drape.

Turning now to FIGS. 6 and 7, these show a master movable drape carrier 30 mounted in a box section track 2. The carrier 30 has two upper portions 26, each with domed projections 24 which are identical to the sections 26 described above with reference to FIGS. 4 and 5. The lower portion of the master carrier 30 however comprises an angle section element 31 apertured at 32 for the reception of hooks secured to the drapes and notched at 33 for secural to a draw cord (not shown). The master movable drape carriers 30 are secured in use to the leading edges of the drapes which are drawn to the center of the window opening, the arrangement being such that the dependent portions of the angle sections 31 are on opposite sides of the center line of the box section 2 so that the drapes overlap in the closed position.

Referring now to FIGS. 8 and 9, these show a double draw cord pulley for use in the box section track. The

pulley **35** comprises a base plate **36** with two upstanding cheek plates **37** between which a pair of pulleys **38** and **39** are journalled by pins **40.** The pulley **35** is secured to the ledges **4** by screws, one of which is shown at **41.** One of the cheek plates **37** is provided with apertures **42** to provide anchorage for the hooks secured to the outer ends of the drapes.

In use, the draw track **1** is secured in position above the window opening either as shown in FIG. **1** (omitting the secondary track **15**) with the lip **13** against the wall **14,** or on brackets **16** as shown in FIG. **2.** Two master drape carriers **30** are then fed onto the track so that the dependent lower portions **31** are offset from each other. Sufficient secondary carriers **25** are then fed on to the track on each side of the master carriers **30** for engagement with the hooks to be provided on the drapes. The pulley **35** is next located and secured at one end of the track and a similar pulley carrying only one sheave at the other end of the track. Finally, a draw cord is fed around the pulley **38,** along the track and around the pulley at the other end of the track and then back along the track and around the pulley **39.** At the center of the track, each of the upper and lower runs of cord is secured to one of the master carriers **30** so that the drapes can be drawn apart or closed in the conventional manner by manipulation of the draw cord.

We claim:

1. A draw track assembly for drapes, comprising an extruded draw track having a box section portion continuously slotted along the underside to define two opposed support ledges therein for movable drape carriers, first and second spacer portions extending from opposite sides of said box section portion in the same plane as said support ledges, a valance portion extending at right angles to said first spacer portion at the edge thereof, a first lip portion extending rearwardly from the lower edge of said valance portion at right angles thereto, a second lip portion extending upwardly from the rear edge of said second spacer portion at right angles thereto, a pair of master movable drape carriers each having a pair of first portions resting on said support ledges and second portions dependent from said first portions between said support ledges, with the second portions of the two master carriers being offset on opposite sides of the box section portion center line, a plurality of secondary drape carriers each having a first portion resting on said support ledges and second portions dependent therefrom between said support ledges and apertured for engagement with drape hooks, said first portions of said master and secondary carriers each being formed with four domed projections arranged in a rectangular configuration on the underside for sliding engagement with said support ledges, and pulleys at opposite ends of the draw track for guiding a draw cord connected to the master carrier whereby drapes carried by the carriers can be closed or opened.

2. An extruded draw track for drapes, comprising a box section portion continuously slotted along the underside to define two opposed support ledges therein for movable drape carriers, a valance portion extending downwardly at right angles to said support ledges and spaced from said box section by a spacer portion, a second spacer portion extending from the opposite side of said box section to the first spacer portion for spacing the box section from the wall when installed, a plurality of support brackets, each support bracket comprising a wall plate including means for securing the wall plate to a wall, a first bearer member extending from the wall plate and engaging externally around the box section portion of the draw track, and a second bearer member extending from the wall plate beneath the first bearer member, the first and second bearer members retaining the second spacer portions therebetween.

3. An extended draw track as claimed in claim **2** wherein said first and second bearer members each comprise vertical stiffening ribs.

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