Dec. 9, 1958 R. J. CAYTON 2,863,502

VERTICAL BLIND CONTROL MECHANISM

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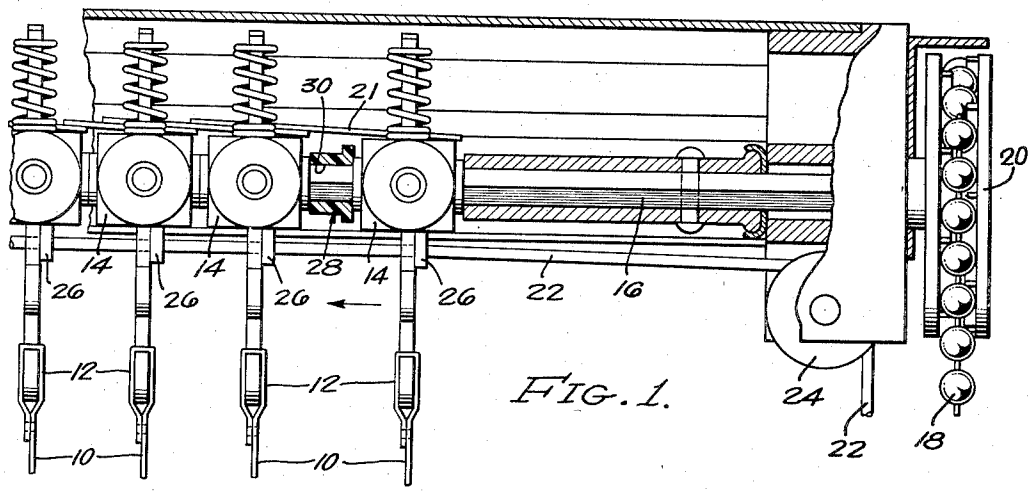


FIG. 1.

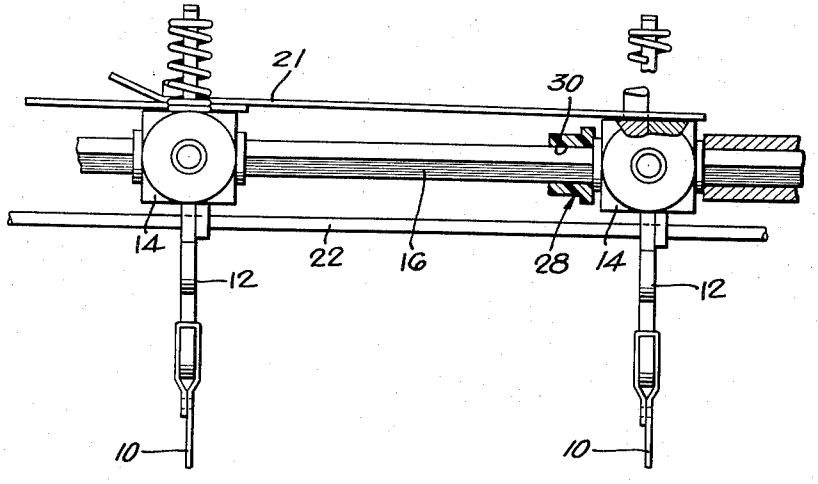


FIG. 2.

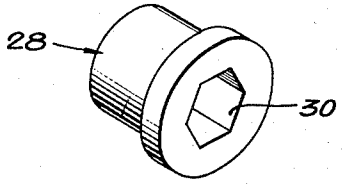


FIG. 3.

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VERTICAL BLIND CONTROL MECHANISM

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3 Claims. (Cl. 160—173)

This invention relates to an improved traversing vertical blind.

My copending application, entitled Vertical Venetian Blind, filed March 6, 1956, Serial No. 569,802, discloses a traversing vertical blind wherein a plurality of slat supporting trucks are slidably mounted upon a hexagonal rod. Rotation of said rod rotates the slats and the trucks are interconnected so that a cord controls traversing thereof.

It is an object of this invention to provide improved traversing control means which will insure proper spacing of the slats with respect to one another.

It is a further object of this invention to provide means for retarding traversing of the end slat to insure proper positioning of the slats when closed.

Still a further object of this invention is to provide such means which will also permit said end slat to be traversed when desired to facilitate cleaning and the like.

Other objects and advantages will be readily apparent from the following description:

In the drawings:

Figure 1 is a fragmentary side elevation with parts thereof broken away, of a traversing blind embodying this invention.

Figure 2 is a fragmentary side elevation similar to Figure 1 with the slats in the traversed position.

Figure 3 is a perspective view of the friction washer.

As more fully described in my copending application, each slat **10** is formed of cloth and is supported by hook **12** at its upper extremity. Hook **12** passes through truck **14** and has a gear thereon which meshes with a second gear within the truck slidably mounted upon hexagonal rod **16**. Rod **16** is rotated by chain **18** and pulley **20** as is more completely described in my copending application, to rotate trucks **14** and hence slats **10**.

Each truck **14** is connected to the adjacent trucks by a strip **21**. A cord **22** passes over pulley **24** through a suitable eye **26** in each truck and is secured to the truck

furthest from pulley **24**. The cord is reeved through a similar pulley on the other side of the blind so that the slats may be moved along rod **16** in either direction, as more fully described in my copending application.

During movement of the slats **10** to the left in Figure **1** the outermost slat which would be adjacent the side of a window covered by said blind creeps to the left hence exposes the window frame and admits light therethrough. To prevent such creepage a friction washer **28** is provided. This washer is preferably formed of nylon or similar material and has a hexagonal bore **30** therethrough, permitting rod **16** to pass therethrough but sufficiently small to snugly fit on said rod. Thus when the slats are traversed the frictional resistance to movement of washer **28** on rod **16** will prevent movement of the outermost slat. When however it is desired to clean the window and frame behind the blind, washer **28** may be manually moved along rod **16** either by grasping same or the truck **14** of the outermost slat **10**.

While what hereinbefore has been described as the preferred embodiment of this invention is is readily apparent that alterations and modifications can be resorted to without departing from the scope of this invention and such alterations and modifications are intended to be within the scope of the appended claims.

I claim:

1. In a vertical blind of the type described the combination of: a non-circular rod, a truck slidably mounted upon said rod, a slat suspended from said truck, means within said truck rotating said slat upon rotation of said rod and a friction washer upon said rod slidable thereon bearing against said truck and resisting movement thereof along said rod.

2. In a vertical blind of the type described the combination of: a non-circular rod, a truck slidably mounted upon said rod, a slat suspended from said truck, means within said truck rotating said slat upon rotation of said rod and a washer having a non-circular bore therethrough snugly fitting said rod and bearing against said truck resisting movement thereof along said rod.

3. In a vertical blind of the type described the combination of: a non-circular rod, a truck slidably mounted upon said rod, a slat suspended from said truck, means within said truck rotating said slat upon rotation of said rod and a nylon washer having a non-circular bore therethrough snugly fitting said rod and bearing against said truck resisting movement thereof along said rod.

References Cited in the file of this patent

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