

UNITED STATES PATENT OFFICE.

WALTER C. NEAL, OF PITTSFIELD, MASSACHUSETTS.

CURTAIN-POLE.

No. 868,469.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WALTER C. NEAL, a citizen of the United States, residing at Pittsfield, in the county of Berkshire and State of Massachusetts, have invented new and useful Improvements in Curtain-Poles, of which the following is a specification.

This invention relates to curtain poles, being especially directed to supporting means for sustaining the pole in position within a window or door frame, and has for its objects to produce a comparatively simple, inexpensive device of this character which may be readily installed for use, one whereby the pole will be securely clamped and frictionally held in place, and this without marring the wood-work, and one in which the holding tension on the pole may be regulated at will.

With these and other objects in view, the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings: Figure 1 is an elevation of a portion of a door frame, showing a pole supported therein in accordance with my invention. Fig. 2 is an enlarged detail view partly in section of the pole and its supporting devices.

Referring to the drawings, 1 designates a door frame in which is sustained a curtain pole 2 positioned adjacent the upper end of the frame and extended between the side bars or stiles 3 of the frame, these parts, which are conventionally shown herein, may be of the usual or any appropriate construction and material and adapted in practice to perform their ordinary functions.

For sustaining the pole in the frame, I provide, in accordance with my invention, a pair of friction retaining members or heads 4, 5; of which the latter is in the form of a metal cap fitted onto one end of the pole 2 and provided on its end wall with a rubber or other pliable facing piece or covering 6 cemented or otherwise secured to the cap and constituting a yieldable friction surface for contact with the adjacent part of the frame work, while the member or head 4 comprises a metal cap identical in form with the cap 5 but having its end wall 7 provided with a central, internally threaded opening 8 and its initially open end, which is disposed toward the frame, closed by a covering piece 9 composed of rubber or other yieldable friction material and cemented in place on the member 4.

The opening 8 is adapted to receive a screw 10 rigidly affixed to a metal cap 11 fitted on one end of the pole 2 in a manner similar to the cap 5, it being noted in this connection that the screw which projects in axial alinement with the pole serves to adjustably connect the clamping member 4 with the latter, and further that the friction disk 9 which presents a yieldable bearing surface between the member 4 and frame serves the further function of a closure for the initially open end of the member 4.

In practice, the caps 5 and 11 are applied respectively to the ends of the pole and the clamping member 4 mounted on the screw 10, after which the pole is positioned in the frame 1 with the yieldable surfaces or disks 6 and 9 in contact with the adjacent stiles 3 and fixed in place by manipulating the member 4 to bear tightly and with a clamping action on the frame.

It will be noted that when the pole is clamped in place it will be prevented from slipping owing to the provision of the yieldable friction members 6 and 9 and that the latter will obviate liability of the frame-work becoming marred by the members 4 and 5.

Having thus described my invention, what I claim is:

A curtain pole and supporting means therefor, said supporting means comprising three cup-like members, each comprising a solid base wall and a concentric edge flange projecting therefrom, the flange of the first member being adapted to frictionally embrace one end of the curtain pole with the base wall contacting with the end wall of the pole, the second member being adapted to similarly engage the opposite end of the pole, the third member being adapted to be arranged between the second member and the pole supporting frame with the base wall adjacent the base wall of the second member and the free edge of the flange bearing against the frame, a yielding friction disk secured to the outer surface of the base wall of the first member, a screw stud projecting from the base wall of the second member and engaging a threaded opening in the base wall of the third member, and a yieldable friction disk overlying the free edge of the flange of the third member, whereby said first and third members will frictionally engage the frame with the third member exerting pressure thereagainst only at the flange edge.

In testimony whereof, I affix my signature in presence of two witnesses.

WALTER C. NEAL.

Witnesses:

ROLLIN E. CRANDALL,
HOMER DOWNING.