Jan. 17, 1933. F. J. BURNS 1,894,730

ANCHOR BRACKET

Filed June 20, 1932

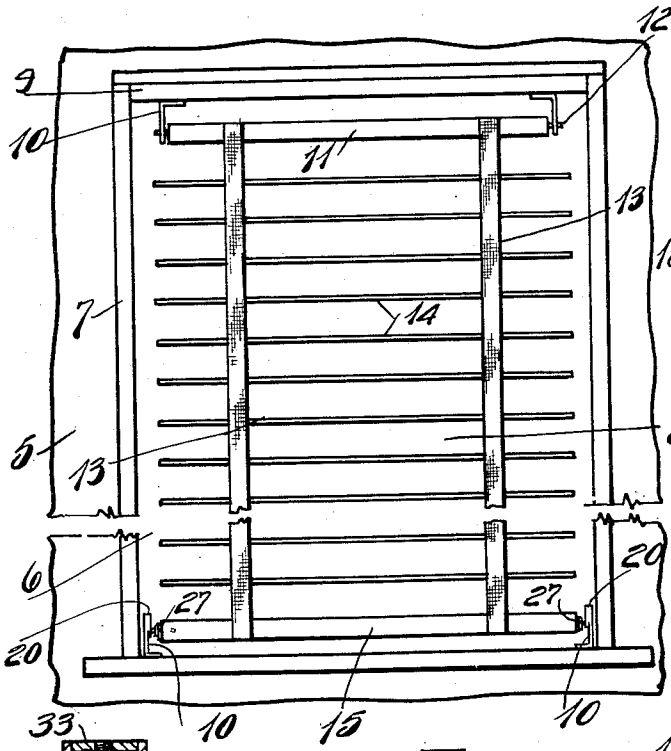


Fig. 1

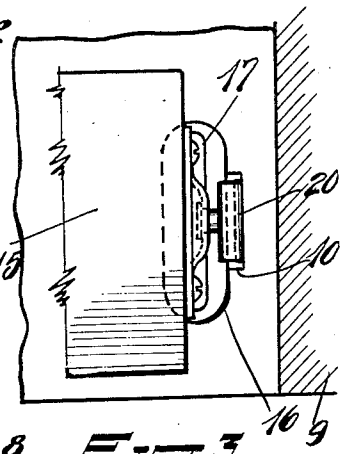


Fig. 3

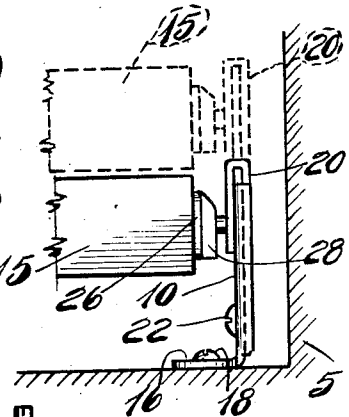


Fig. 2

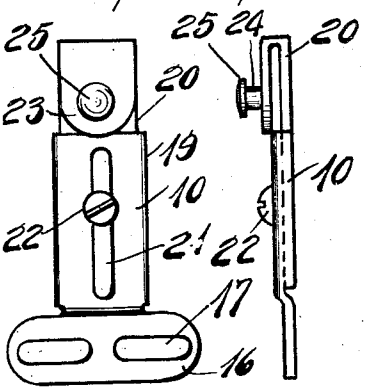


Fig. 6-Fig. 7

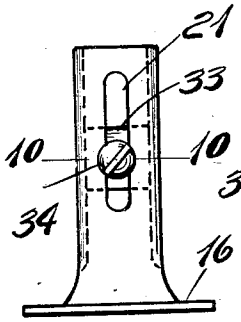


Fig. 8

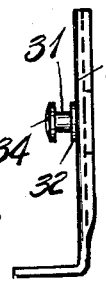


Fig. 9

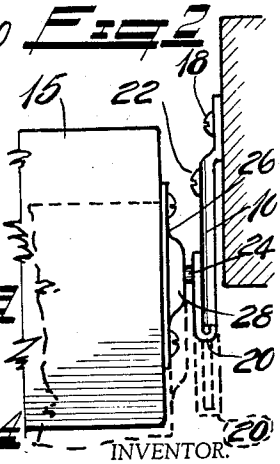


Fig. 4

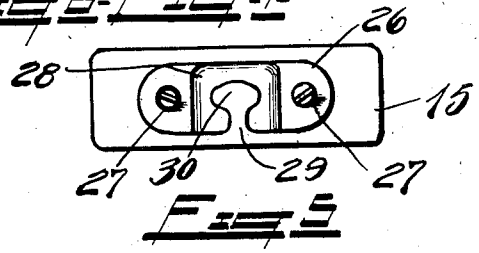


Fig. 5

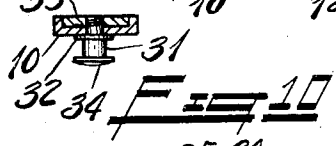


Fig. 10

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UNITED STATES PATENT OFFICE

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ANCHOR BRACKET

Application filed June 20, 1932. Serial No. 618,198.

This invention relates to anchor brackets for anchoring venetian blinds, curtains, or other units, and while this bracket is adaptable for a wide variety of uses, I have, for the purpose of illustration, shown it used in connection with a venetian blind, and it will be readily understood that this is for explanatory purposes only.

This invention relates to anchor brackets, and particularly to brackets such as are adaptable for use in connection with the bottom rail of venetian blinds for anchoring the lower end of the blind to a sill or frame, and which will permit all of the proper angular movements of the rail and slats in all positions of said blind.

One of the prime objects of the invention is to provide an adjustable anchor bracket to which the bottom rail of a blind can be detachably secured, and which is adjustable to compensate for irregularities, thereby eliminating the shimming and cutting to fit in window openings, as well as the shrinkage or stretching of the ladder tape, and which also provides means to permit aligning with the top rail.

Another object is to provide an anchor bracket of neat and pleasing design, and which has a wide range of adjustment, so that it can be used with blinds of various sizes.

A further object is to provide an anchor bracket preferably formed of stampings, which has no projecting sharp edges or corners, and which eliminates the possibility of lace curtains and other fabrics (used on the window) becoming snagged and torn.

A further object still is to provide a neat bottom rail plate and in which the bracket stud is mounted, said plate being designed to secure and hold the stud in any angular movement of all positions of the blind without disengaging.

Still a further object is to provide an adjustable bracket of simple construction, which can be economically manufactured and assembled, and which is readily adjustable.

The above and other objects of my invention will be apparent by reference to the following description of an embodiment thereof, and which embodiment, in different forms, is illustrated in the accompanying drawing forming a part of this specification, wherein:

Fig. 1 is a side elevation of a window showing my anchor bracket used in connection with a venetian blind.

Fig. 2 is an enlarged fragmentary side elevation showing the bracket, plate, and bottom rail, the dotted lines illustrating the range of adjustment,

Fig. 3 is a top plan view,

Fig. 4 is a top plan view showing an offset bracket, the dotted lines illustrating the adjustment,

Fig. 5 is an end view of the bottom rail with the plate in position thereon,

Fig. 6 is a detail front view of an offset bracket,

Fig. 7 is an edge view thereof,

Fig. 8 is a view similar to Fig. 6, showing a slightly different design of bracket,

Fig. 9 is an edge view thereof, and

Fig. 10 is a transverse sectional view taken on the line 10—10 of Fig. 8.

Referring now more particularly to the drawing, the reference numeral 5 designates a building having a window 6 therein, and which comprises the frame 7 on which the venetian blind 8 is mounted.

The venetian blind comprises a head rail 9 to which brackets 10 are secured as usual, a tilt rail 11 being mounted in said brackets by means of pins 12, and ladder tapes 13 are also secured to said rail and support slats 14 and a bottom rail 15 as is usual in such construction, the conventional operating and tilt cords being eliminated as they form no part of the present invention.

In the use of venetian blinds on porches, open windows, and the like, it is desirable that means be provided for holding the blinds in substantially vertical position against the action of winds, storms, and the like. In the present invention this is accomplished by providing brackets at the ends of the bottom rail which will prevent the bottom rail and slats from moving inwardly or outwardly relative to the frames on which the venetian blind is mounted.

The brackets are adapted for use either as a sill, outside, or offset bracket, or they can be used where there is no sill; it is merely necessary to bend the foot at the proper angle to suit the condition encountered.

In the illustration shown in Figs. 1, 2, and 3 of the drawing, I have shown a conventional sill bracket; this comprises the main body member 10 formed with an offset foot 16, slotted openings 17 are provided in this foot in spaced apart relation and are adapted to accommodate screws 18 for securing the bracket in position. The edges of the bracket are turned as shown at 19 to form wings, and a slider member 20 is mounted to slide therein, a centrally disposed vertical slot 21 being provided in said main body, and a screw member 22 extends through said slot, the end being threaded into said slider, and it will be obvious that when the screw is tightened that this slider will be securely held in adjusted position.

The upper end of the extension is bent upon itself to form a lip 23, and a stud 24 is secured thereto, said stud being provided with a head 25 to prevent disengagement when the parts are assembled.

Plate members 26 are rigidly anchored to the ends of the bottom rail by means of screws 27, the centrally disposed portion being embossed as at 28 to form a pocket to accommodate the head 25, a restricted open throat 29 being provided in said embossed section to accommodate the shank of the stud 24, and communicates with an elongated opening 30 in which the shank is seated, when the mechanism is assembled, the head 25 preventing disengagement, and this slotted opening permits the tilt rail to be adjusted to any proper angular adjusting movement of the bottom rail without becoming disengaged or unlocked.

In Figs. 6 and 7 of the drawing I have shown an offset bracket which provides a vertically disposed foot, so that the bottom rail may be aligned with the top rail, the slotted openings 17 further providing for vertical adjustment; otherwise the bracket is identical with the construction shown in Figs. 2 and 3.

In Figs. 8, 9, and 10 of the drawing I have shown a slightly different construction, the stud 31 being formed with a shoulder 32, the inner end being threaded to engage the slider 33, the head 34 of the stud being slotted so that it can be turned by means of a screw driver for loosening or tightening when adjusting; otherwise the construction is the same, it being understood that an offset bracket can also be formed by disposing the foot as shown in construction illustrated in Fig. 6.

In practice the plates 26 are anchored to the ends of the bottom rail, the brackets 10 are then placed in proper position, and the heads of the studs 24 inserted in the plates, after which the sliders are adjusted, either up or down, to suit.

From the foregoing description it will be obvious that I have perfected a very simple, practical, economical, and neat appearing anchor bracket for adjustably anchoring the bottom rails of venetian blinds and other units.

What I claim is:

1. An anchor bracket comprising a vertically disposed main body member, a foot formed integral therewith, and a slider member adjustably mounted on said body member and adapted to detachably engage a blind.

2. An anchor bracket comprising a vertically disposed main body member, a foot formed integral therewith, a slider adjustably mounted on said body member, and a laterally projecting stud provided on said slider for detachably engaging a blind.

3. An anchor bracket for a hanging unit comprising a vertically disposed main body, a foot formed integral therewith, a slotted opening in said body, a slider adjustably mounted on said body member, plates on said unit, and a stud mounted on said sliders and provided with a head for interlocking engagement with said plates.

4. A bottom rail bracket for venetian blinds and comprising a vertically disposed main body member, a foot formed integral therewith and provided with transversely disposed slotted openings therein, a vertical slot in said body member, a slider slidably and adjustably mounted on said body member, and a stud on said slider for detachably engaging said blind.

5. A bottom rail bracket for venetian blinds and comprising a vertically disposed main body member, a foot formed integral therewith, a slider adjustably mounted on the body member and provided with a projecting stud having an enlarged head formed integral therewith, and means for securing said slider in adjusted position.

6. In combination, a venetian blind having a bottom rail, plates secured to said bottom rail, spaced apart brackets, sliders slidably and adjustably mounted thereon, and studs on said sliders for detachably engaging said plates.

7. In combination, a venetian blind having a bottom rail, plates secured to the ends thereof, spaced apart vertically disposed brackets, sliders adjustably mounted thereon, and projecting studs on said sliders for detachably engaging said plates.

8. In combination, a venetian blind, embossed plates connected to the bottom rail thereof each provided with an opening therein, a throat leading into said opening, transversely adjustable vertically disposed brackets, and studs on said brackets and adapted

to be locked in said embossed plates when the members are in assembled relation.

9. In combination, a venetian blind, embossed plates secured to the bottom rail thereof, transversely adjustable vertically disposed brackets, sliders slidably and adjustably mounted thereon, and projecting studs on said sliders and adapted to detachably engage said plates when the members are placed in assembled relation.

10. In combination, a venetian blind, embossed plates secured to the bottom rail thereof and formed with a centrally disposed opening therein, a restricted throat leading into said opening, adjustable brackets, sliders adjustably mounted on the brackets, studs on said sliders each formed with a head, said stud being removably mounted in a respective plate when the members are placed in assembled relation.

In testimony whereof, I hereunto affix my signature.

FRED J. BURNS.