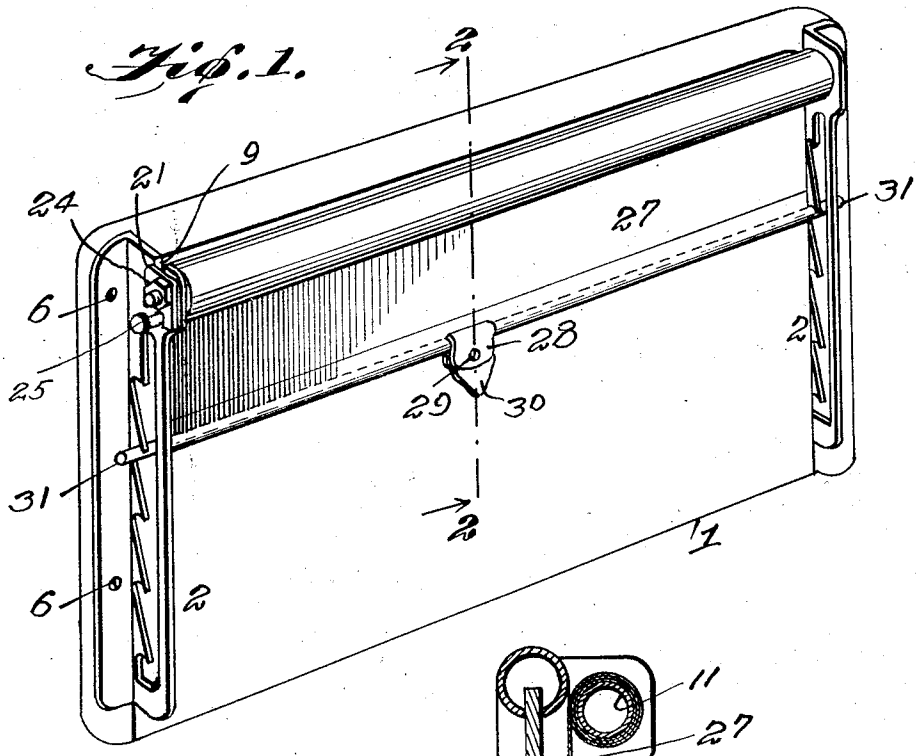
Sept. 15, 1925. 1,553,425

K. C. ZUMWALT

AUTOMOBILE WINDSHIELD SHADE

Filed July 10, 1923 2 Sheets-Sheet 1

Fig. 1.



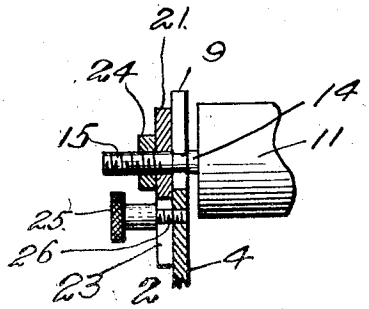


Fig. 4.

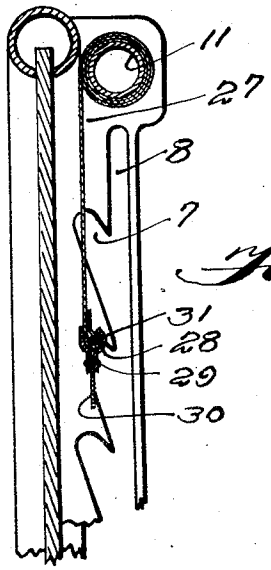


Fig. 2.

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Fig. 3.

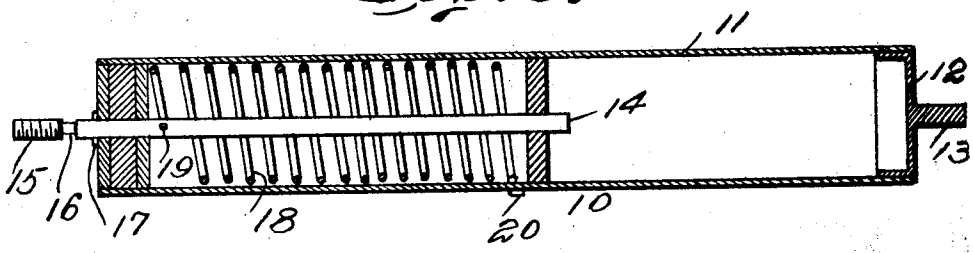
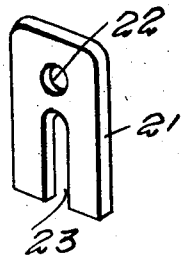


Fig. 6.



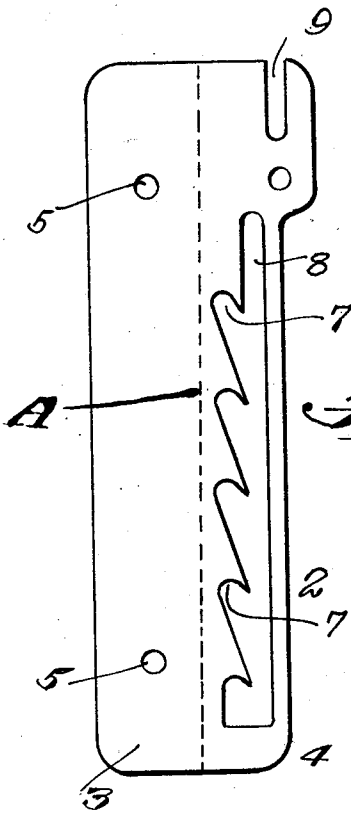
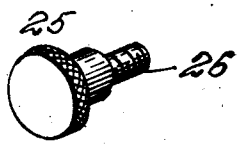


Fig. 5.

Fig. 7.



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Patented Sept. 15, 1925. 1,553,425

UNITED STATES PATENT OFFICE.

KIT CARSON ZUMWALT, OF JOPLIN, MISSOURI.

AUTOMOBILE WINDSHIELD SHADE.

Application filed July 10, 1923. Serial No. 650,673.

To all whom it may concern:

Be it known that I, KIT C. ZUMWALT, a citizen of the United States, residing at Joplin, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Automobile Windshield Shades, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to automobile wind-shield shades, and the object of the invention is the construction of a simple and efficient shading apparatus to be applied to the wind-shield of an automobile, or it may be applied to different mechanisms, where an efficient shade is desired, such as to the front of a street-car, or even to an ordinary window of a dwelling house.

With the foregoing and other objects in view, my invention comprises certain novel combinations, constructions and arrangements of parts as will be hereinafter described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claims.

In the drawings:

Figure 1 is a perspective view of an apparatus constructed in accordance with the present invention.

Figure 2 is a sectional view, taken on line 2—2, Fig. 1, and looking in the direction of the arrows.

Figure 3 is a longitudinal, sectional view of a roller tube device.

Figure 4 is an enlarged, fragmentary, sectional view of the apparatus.

Figure 5 is a plan view of the blank from which one of the bracket devices are formed.

Figure 6 is a perspective view of the adjustment plate.

Figure 7 is a perspective view of the locking screw.

Referring to the drawings by numerals, 1 designates the wind-shield to which I secure a pair of my bracket devices 2.

Each bracket device 2 is formed from a blank sheet of metal and comprises body portion 3 and a rack portion 4; these portions 3 and 4 are formed distinctly by bending the blank on line A, Fig. 5, so that portions 3 and 4 are at right-angles to each other, as shown in Fig. 1. In the body portion 3 are screw-receiving apertures 5 for receiving the screws 6, Fig. 1. In the rack portion 4 are a plurality of ratchet notches 7, and in the upper end of the rack portion 4, contiguous to the upper or innermost ratchet notch 7, is a straight, elongated slot 8, which slot 8 is parallel with the longitudinal axis of the rack portion 4. An elongated notch 9 is formed in the upper edge of the rack portion 4 of one of the bracket devices, and extends longitudinally of said rack portion.

A roller tube device 10 is employed, comprising roller tube 11 which is provided with an end-cap 12 having a stub-shaft 13. A comparatively long shaft 14 is in the tube, and one end of shaft 14 extends beyond one end of the tube and is threaded as at 15. The shaft 14 is provided with a groove 16, and a cotter pin 17 extends through the shaft outside of the roller tube 11 (Fig. 3). A coil spring 18 has one end fastened to the shaft 14, at 19, and the other end 20 of said spring extends through tube 11. Stub-shaft 13 is seated in an ordinary aperture in one of the brackets, while the comparatively long shaft 14 is seated in elongated notch 9, (Fig. 1).

The adjustment plate 21 is provided with an aperture 22 and with an elongated notch 23. The shaft 14 extends through the aperture 22, and on the threaded end 15 is a locking nut 24. The locking screw 25 has its threaded end 26 extending through notch 23 and into the rack portion 4, so that when the locking screw is screwed tight upon rack portion 4, against plate 21, the plate will be held in an adjusted position, whereby the shaft 14 can be raised or lowered within notch 9, consequently allowing of a vertical adjustment of one end of the roller tube device upon the bracket devices so that the roller may be secured in a horizontal position when put in place.

On the curtain 27, that is wound around the roller tube 11, I place a clamp 28 by means of screw 29, and carried by clamp 28 is a flexible or leather grip 30. The curtain 27 is provided with a rod 31 that has its ends normally seated in registering notches 7 or in the registering slots 8.

The tension of spring 18 is sufficient to wind the curtain 27 upon the roller tube 11, thereby holding the curtain taut, as a result of the ends of rod 31 being seated in either the notches 7 or the slots 8.

The attachment of the curtain can be quickly and easily obtained and my apparatus produces an admirable shade, for keeping

out light, or barring the sun-rays, or the glare of headlights, and the apparatus is adapted for use in several places, such as on or contiguous to the wind-shields of automobiles, the front of motor street-cars, busses, and the like.

While I have described the preferred embodiment of my invention, and have illustrated the same in the accompanying drawings, certain minor changes or alterations may appear to one skilled in the art to which this invention relates, during the extensive manufacture of the same and I, therefore, reserve the right to make such alterations or changes as shall fairly fall within the scope of the appended claims.

What I claim is:

1. A roller curtain mounting comprising a bracket having an attaching flange and an outstanding flange, the outstanding flange being provided with a longitudinally extending slot having upwardly extending side extensions extending at an incline and providing abutment shoulders, the upper portion of said outstanding flange being provided with a longitudinally extending roller pintle receiving slot and a threaded opening beneath the slot, a bearing plate fitting against the outstanding flange and having a longitudinally extending slot in its lower portion and a roller pintle receiving opening above the slot, and a fastener screw having a shank provided with a reduced and threaded end portion for passing through the slot of said plate and into the threaded opening of the outstanding flange of said bracket, the larger portion of the shank of said screw being adapted to engage the outer face of said bearing plate to clamp the bearing plate in a vertically adjusted position when the screw is tightened.

2. A shade roller mounting comprising a bracket having an outstanding flange and attaching means, said outstanding flange being provided with a longitudinally extending slot leading from its upper end and a threaded opening beneath the lower end of the slot, a bearing plate fitting flat against the outstanding flange and provided with a longitudinally extending slot leading from its lower end and an opening above the upper end of the slot, the opening in the bearing plate being adapted to receive a roller pintle projecting through the slot of the outstanding flange, and a fastener having a shank passing through the slot of the bearing plate and screwed into the threaded opening of the outstanding flange whereby the bearing plate may be vertically adjusted and upon tightening of the fastener be releasably secured in an adjusted position.

In testimony whereof I hereunto affix my signature.

KIT CARSON ZUMWALT.