

April 16, 1946.

B. P. MOORE
PROTECTOR OR CANOPY

2,398,441

Filed Feb. 28, 1944

2 Sheets-Sheet 1

Fig. 1.

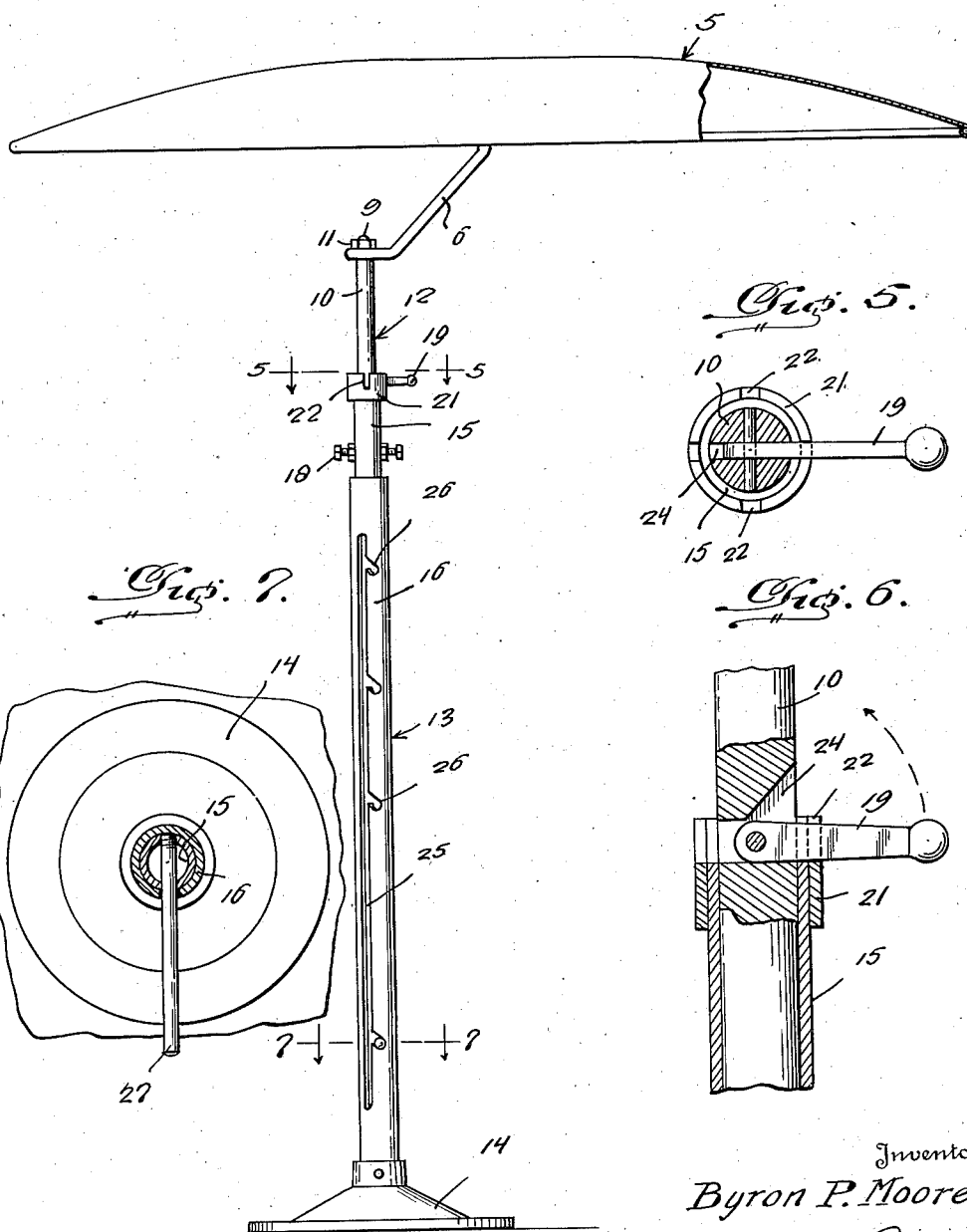


Fig. 2.

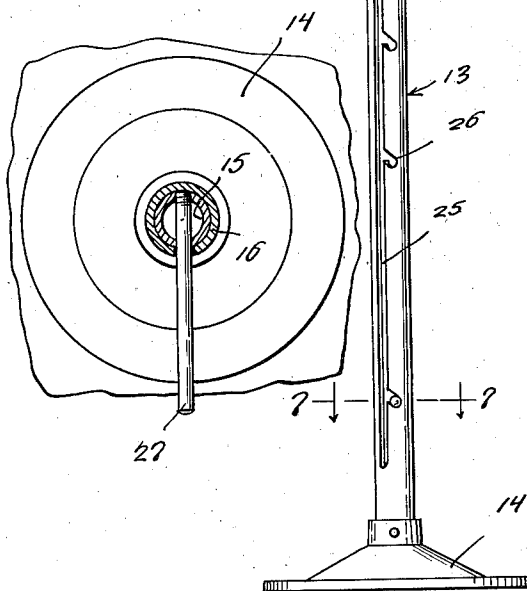


Fig. 5.

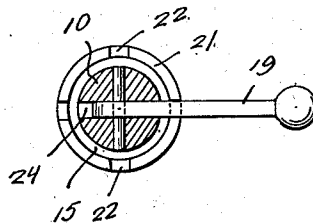
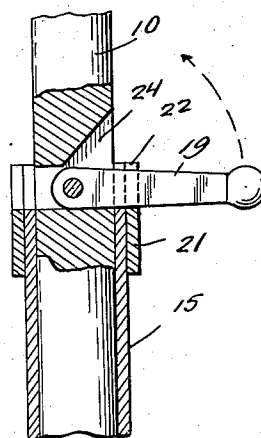


Fig. 6.



Inventor
Byron P. Moore,

By McManis & Barman
Attorneys

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2 Sheets-Sheet 2

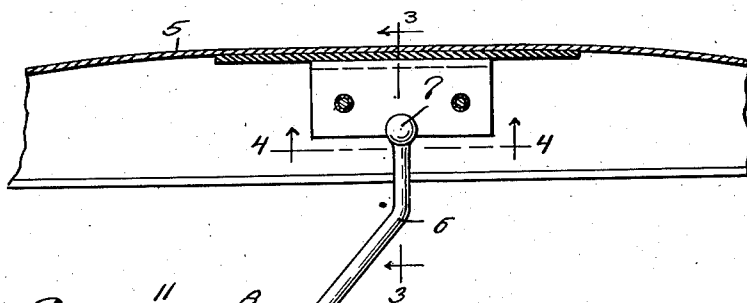


Fig. 2.

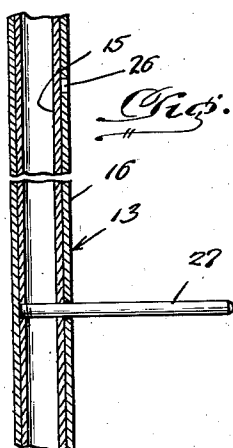


Fig. 8.

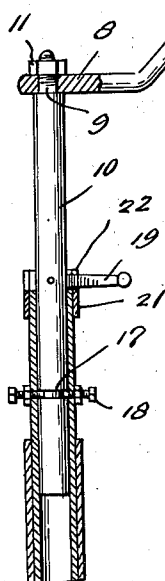


Fig. 3.

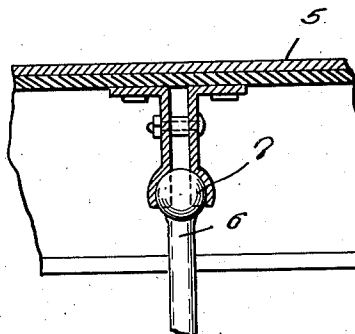
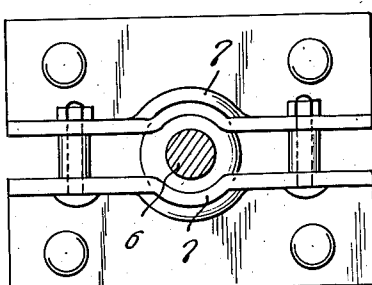


Fig. 4.



Inventor
Byron P. Moore,

By McMorris and Berman
Attorneys

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PROTECTOR OR CANOPY

Byron P. Moore, Clayton, N. Mex.

Application February 28, 1944, Serial No. 524,269

3 Claims. (Cl. 135-5)

This invention relates to a protector or canopy which may be readily adapted to any type of uncovered vehicle or farming implement to protect the operator positioned thereon from weather elements or the heat of the sun.

The primary object of the invention is the provision of a device which may be easily and quickly adjusted by the operator either as to its height or its position relative to the perpendicular, so that a maximum amount of protection may be obtained for the operator.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a side elevation, partly in section, illustrating a protector or canopy constructed in accordance with my invention.

Figure 2 is a fragmentary vertical sectional view showing the connection between the protecting element and its support.

Figure 3 is a sectional view taken on the line 3-3 of Figure 2.

Figure 4 is a sectional view taken on the line 4-4 of Figure 2.

Figure 5 is a sectional view taken on the line 5-5 of Figure 1.

Figure 6 is an enlarged fragmentary vertical sectional view illustrating the handle for the rotation of the protector element and the means of releasably securing said protector element against rotation.

Figure 7 is a sectional view taken on the line 7-7 of Figure 1.

Fig. 8 is a fractional vertical central sectional view of the post, showing the handle.

Referring in detail to the drawings, the numeral 5 indicates a rigid protector element of concavo convex construction so as to readily shed rain or moisture and has secured centrally thereof and to its under face an attaching arm 6. A ball and socket joint 7 is employed for connecting the arm to the protecting element. The arm includes a laterally offset portion 8 apertured to receive the reduced screw threaded end portion 9 of a rod 10. A nut 11 threads onto the reduced portion 9 to retain the arm on the rod. The rod 10 forms a part of an adjustable support 12 for the protecting element. The adjustable support 12 may be mounted in any suitable way

on any type of uncovered vehicle or farming implement preferably adjacent to the operator's seat so that the operator may receive protection against different kinds of weather elements as well as the sun.

The adjustable support besides consisting of the rod 10 also includes a post 13 and a base 14. The post is made up of telescopic sections 15 and 16. The section 15 receives the rod 10 and the section 16 slidably receives the section 15. The rod 10 has an annular groove 17 receiving set screws 18 carried by the section 15, whereby the rod 10 may be rotated relative to the section 15 or the post 13. A lever 19 is pivoted to the rod 10 so that the latter may be easily rotated to shift the position of the protector element relative to the post.

A collar 21 is secured to the upper end of the section 15 and is provided with notches 22, any one of which may receive the lever 19 for securing the rod 10 against rotation. It is preferable that the rod 10 be notched to receive the pivotal end of the lever 19, as shown at 24. This construction will permit the hand lever to swing upwardly and downwardly for a limited distance sufficient to permit the operator to bring the hand lever out of any one of the notches when desiring to rotate the rod 10.

The section 16 of the post has an elongated slot 25 and a plurality of notches 26 connecting therewith. A handle 27 extends through the slot 25 and is secured to the section 15 and may be moved endwise of the slot in either direction for raising and lowering the protector element and may enter any one of the notches 26 for supporting the protector element at different heights.

The offset in the arm 6 locates the center of the protector element laterally of the supporting post, and as the rod 10 may be rotated by the operator the center of the protector element may be made to shift its position relative to the supporting post.

The angle of inclination of the protector element 5 with respect to the post can be easily accomplished through the provision of the ball and socket joint connecting the arm 6 to the protecting element. Therefore, it will be seen that the construction employed in this device provides a wide arrangement of adjustments of the protecting element with respect to the operator so that it can be easily adjusted into positions which will afford the most protection to the operator.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be

made without departing from the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim is:

1. In a protector, a vertically arranged post including telescopic sections and one of said sections having a slot with notches connecting therewith, a handle secured to the other section and operating in the slot and movable into and out of the notches for adjusting the post as to length, a canopy supporting rod journaled in the upper end of one of the sections, and an arm detachably connected to the rod and including an offset portion on its outer end adapted for supporting a canopy thereon.

2. In a protector, a vertical post including tele-

scopic sections, means for facilitating adjustment of said sections relative to each other and for releasably securing said sections to each other, a base for said post, a canopy supporting rod rotatably connected to one section and lying in a plane of said post, and means for rotatably and releasably securing the rod to said one section.

3. A canopy comprising a rigid frusto conical member, a socket member secured to the under side thereof, an arm having an upstanding end, a ball mounted on the upper end of the arm and swivelly seated in the socket of said member, the other end of said arm adapted to be detachably connected to a supporting post.

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BYRON P. MOORE.