March 5, 1929. A. L. RICE 1,704,407

UMBRELLA SUPPORT

Filed Feb. 27, 1928

Fig. 1.

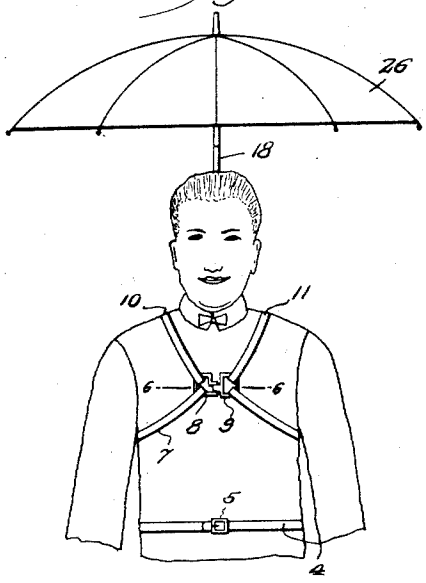


Fig. 2.

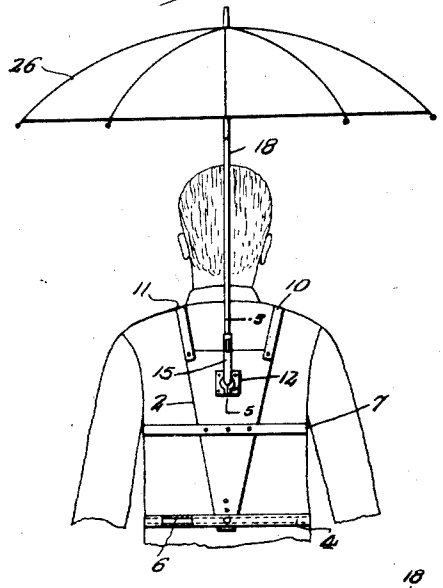


Fig. 7.

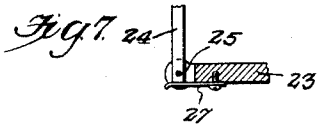


Fig. 4.

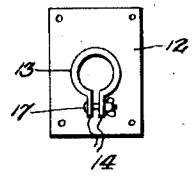
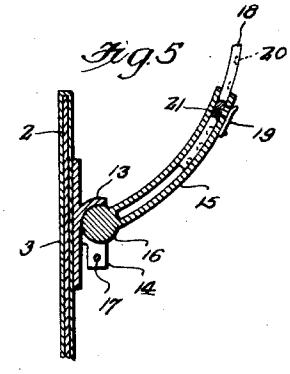


Fig. 5



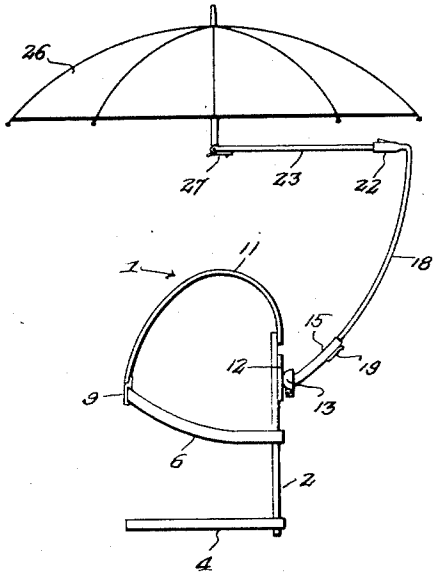
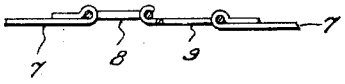


Fig. 3.

Fig. 6.



Inventor

A. L. Rice,

By Clarence A. O'Brien

Attorney

Patented Mar. 5, 1929. 1,704,407

UNITED STATES PATENT OFFICE.

AUBREY L. RICE, OF HUNTSVILLE, MISSOURI.

UMBRELLA SUPPORT.

Application filed February 27, 1928. Serial No. 257,299.

The present invention relates to improvements in umbrella supports, and has reference more particularly to a device for supporting an umbrella or parasol on the body of a person, in such manner as to properly protect the person and without causing any discomfort to the wearer while in use.

A further object is to provide an umbrella support of the above mentioned character that includes a body harness that can be worn without interfering with the use of the hands of the wearer, additional means being provided for adjustably mounting the umbrella or parasol on the body harness.

A still further object is to provide an umbrella support of the above mentioned character, which is simple in construction, strong and durable and further well adapted to the purpose for which it is designed.

Other objects and advantages of the invention will become apparent during the course of the following detailed description.

In the accompanying drawing forming a part of this specification and wherein like reference characters designate like parts throughout the views:

Figure 1 is a front elevation of the umbrella support embodying my invention, showing the same in use.

Figure 2 is a rear elevation thereof.

Figure 3 is a side elevation of the umbrella support.

Figure 4 is a detail of the plate carrying the socket or the ball on the lower end of the upwardly curved sleeve.

Figure 5 is a vertical sectional view, taken approximately on the line 5—5 of Figure 2.

Figure 6 is a sectional view, taken substantially on the line 6—6 of Figure 1, and

Figure 7 is a detail of the connection between the forward end of the horizontal umbrella stick and the lower end of the vertical section of the umbrella stick, showing the spring for supporting the vertical section in an upright position.

In the drawing, wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates generally the body harness, forming a salient of the present invention, the same including a back engaging plate 2, that is constructed of spring metal, and which is covered with canvas or other fabric, as at 3, with reference more particularly to Figure 5. As is clearly shown in Figure 2, this back engaging plate tapers gradually toward its lower end. A waist encircling strap 4 is secured at its intermediate portion to the lower end of the back engaging member 2, and a suitable buckle 5 of any conventional construction is associated with one of the free ends of the waist encircling strap, the other free end being formed with spaced openings for cooperation with the buckle in order that the band may be adjustably secured around the waist. This waist encircling band may be formed of a fabric material having a spring strip insert as shown at 6 with reference to Figure 2, whereby the waist encircling band will adhere to the waist portion of the wearer.

The body harness further includes a strap 7, that is secured at its intermediate portion to the intermediate portion of the back engaging member 2, the free ends of the straps being adapted to extend around the body of the wearer directly beneath the arm pits, and across the chest, and the free ends of this strap 7 are connected to the complementary buckle forming members 8 and 9 respectively that are detachably connected together in the manner as more clearly shown in Figure 6.

Shoulder straps 10 and 11 respectively are secured at one end to the upper corners of the back engaging members 2 the other ends of these shoulder straps being connected to the buckle members 8 and 9 respectively as clearly illustrated in Figure 1.

A substantially rectangular shaped metallic plate 12 is rigidly secured on the outer face of the upper portion of the back engaging member 2 and formed on this plate is the split ball receiving socket 13, ears 14 extending laterally from the free ends of the split sockets and being disposed downwardly.

An upwardly curved sleeve 15 is formed at its lower end with a ball shaped head 16, that is disposed within the split socket 13, and this ball is adjustably secured in the socket by a bolt and nut connection 17 associated with the depending laterally extending ears or lugs 14. The ball and socket connection between the rigid plate 12 and the upwardly curved sleeve 15 provides a means whereby

said sleeve may be universally adjusted and the bolt and nut connection will hold the sleeve in any adjusted position. As clearly shown in Figure 5, the outer end of the socket 13 extends beyond the center of the ball shaped head 16, so that said head cannot be accidentally disengaged from the socket.

A curved rod or staff 18 has its lower end slidably disposed within the curved sleeve 15 and for the purpose of adjustably securing the lower end of the rod or staff within the sleeve, I provide the spring latch 19, on the side of the upper end portion of the sleeve 15, the lower end portion of the curved rod or staff being formed with a series of vertically spaced detents 20, with which the laterally extending pin 21 associated with the spring latch 19 and that extends through the side of the sleeve may cooperate as clearly illustrated in Figure 5.

A forwardly extending horizontally arranged socket member 22 is formed on the upper end of this curved rod or staff 18 and detachably secured in this socket member is the rear end of the forwardly extending horizontal umbrella stick 23. The forward end of this horizontal section 23 is slightly enlarged and is furthermore bifurcated for pivotal association with the adjacent end of the shorter section 24 of the sectional umbrella 26, the pivotal connection between the adjacent ends of the sections being shown at 25, with reference to Figure 7 of the drawing.

An umbrella or parasol 26 of any conventional construction is secured on the outer end of this relatively short section 24 and it is of course to be understood that the umbrella includes a sliding runner (not shown) whereby the umbrella may be folded or closed, when not in use, in the manner also well known in the art.

A spring finger 27 is carried by the outer end of the horizontal longer section 23 on the umbrella stick and the outer free end of this spring clip or finger engages with the lower end of the shorter section 24, for normally holding the same in a vertical position, as clearly shown in Figure 7.

As shown in Figure 3, the umbrella is ready for use and the body harness 1 may be put on the manner shown in Figures 1 and 2, so that the umbrella 26 will be supported over the head of the wearer of the harness and by grasping the staff or rod 18, the umbrella 26 may be forcibly moved in any direction to properly adjust the umbrella so that the user will be properly protected against the elements.

An umbrella support of this character will not cause any discomfort to the user, and furthermore the umbrella may be supported, in such a manner as to permit the free use of the hands.

By pulling downwardly on the outer end of the spring finger or clip 27, the shorter section 24 of the umbrella stick may be moved to a horizontal position and the section 23 detached from the socket 22. Also, the staff 18 may be removed from the sleeve 15 and the sleeve may in turn be disengaged from the rigid plate 12. Thus, the parts of my improved umbrella support may be readily assembled or disassembled, and due to its simplicity, the device can be rendered compact, so as to not occupy any considerable amount of space when stored away.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the appended claims.

Having thus described my invention, what I claim as new is:

1. An umbrella support comprising in combination a body harness, a plate included in the harness, an upwardly disposed sleeve universally connected at its lower end to the plate, an upwardly disposed staff adjustably secured at its lower end in said sleeve, a laterally disposed socket member on the upper end of the staff, a sectional umbrella stick including a main section detachably secured at one end in the socket member, an auxiliary section pivotally connected to the other end of the horizontal section, an umbrella carried on the other end of the auxiliary section, and means for maintaining the pivotal auxiliary section in a vertical position.

2. An umbrella support comprising in combination a body harness, a plate included in the harness, an upwardly disposed sleeve universally connected at its lower end to the plate, an upwardly disposed staff adjustably secured at its lower end in said sleeve, a laterally disposed socket member on the upper end of the staff, a sectional umbrella stick including a main section detachably secured at one end in the socket member, an auxiliary section pivotally connected to the other end of the main section, an umbrella carried on the other end of the auxiliary section, and means for maintaining the pivoted auxiliary section in a vertical position, said last mentioned means comprising a spring finger secured to the outer end of the main horizontally section and adapted to engage with the lower end of the pivoted auxiliary section.

3. An umbrella support, comprising in combination, a body harness, a plate rigidly carried by the harness and adapted for disposition against the back of a wearer, an upwardly curved sleeve, a ball and socket connection between the lower end of the sleeve and said plate, means for adjustably securing the sleeve with respect to the plate, an upwardly curved staff adjustably secured at its lower

end in the upper end of the sleeve, a forwardly projecting socket member extending horizontally from the upper end of the staff, a sectional umbrella stick including main and auxiliary sections, the main section being detachably secured at its rear end in said socket member, the auxiliary section being pivotally secured to the outer end of the horizontal main section, an umbrella carried by the outer end of the auxiliary section, and means for maintaining the auxiliary section in a vertical position.

In testimony whereof I affix my signature.

AUBREY L. RICE.