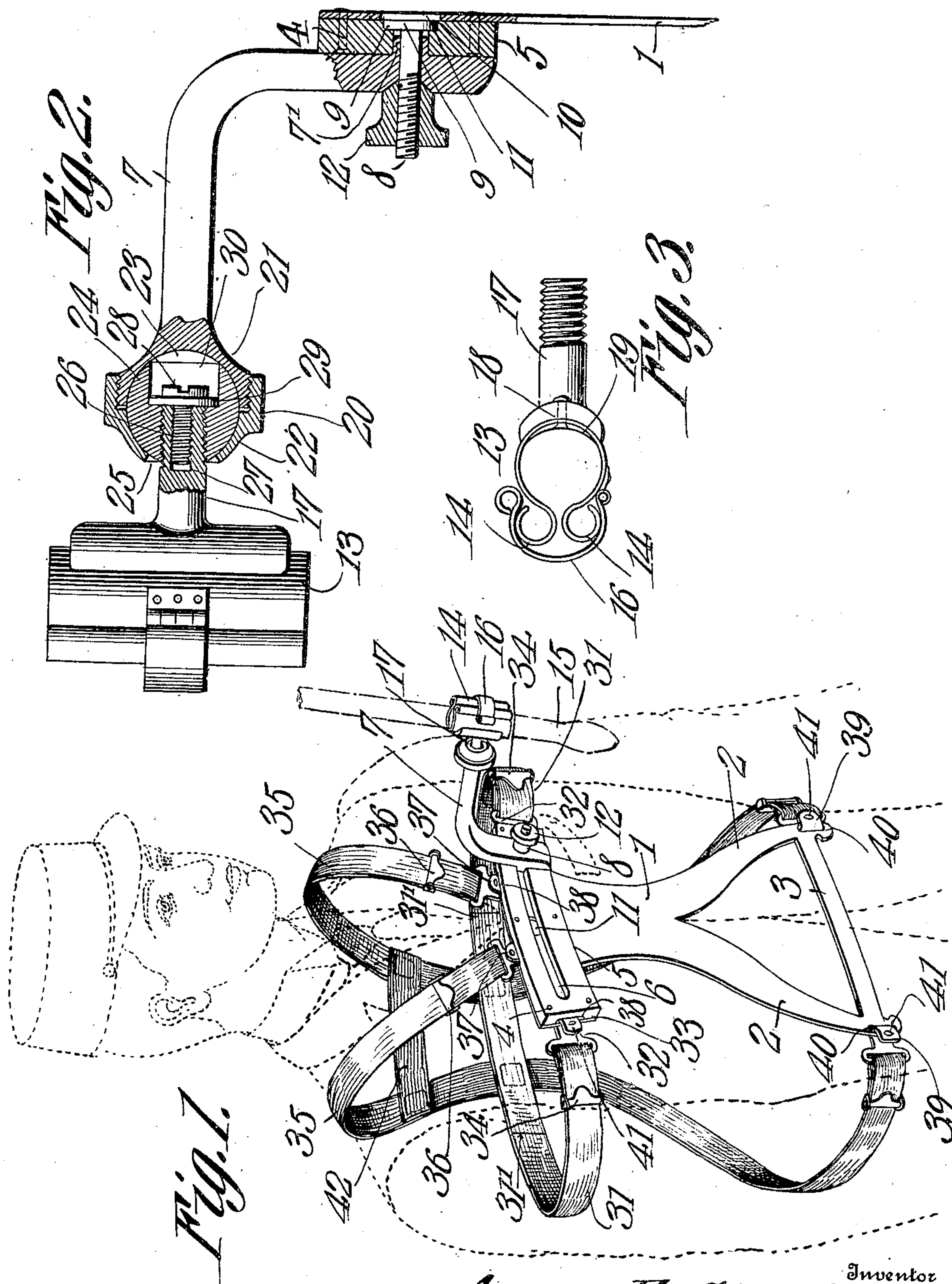


A. E. SHUSTER.
 DEVICE FOR SUPPORTING UMBRELLAS.
 APPLICATION FILED MAY 5, 1908.

921,900.

Patented May 18, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

ANSON E. SHUSTER, OF NORTH BEND, OREGON.

DEVICE FOR SUPPORTING UMBRELLAS.

No. 921,900.

Specification of Letters Patent.

Patented May 18, 1909.

Application filed May 5, 1908. Serial No. 431,030.

To all whom it may concern:

Be it known that I, ANSON E. SHUSTER, a citizen of the United States, residing at North Bend, in the county of Coos and State of Oregon, have invented a new and useful Device for Supporting Umbrellas, of which the following is a specification.

This invention relates to devices to be secured on the body of a person for adjustably supporting an umbrella in different positions and maintaining it in position without the use of the hands.

The invention has for its object to provide an improved device of this character, which can easily be applied to the body of a person, and by means of which an umbrella can be securely and firmly clamped in position on its support, and effectively adjusted to any desired position and carried without using the hands.

The invention consists of a harness, and means carried thereby for supporting, and holding in adjusted position an umbrella, and in details thereof as hereinafter set forth and claimed.

Referring to the drawing, Figure 1, is a perspective view of an umbrella support constructed in accordance with this invention, showing it in position for use on the body of a person. Fig. 2 is an enlarged detail side view, partly in section, showing the adjustable umbrella support. Fig. 3 is a detail plan view of the clamp for holding the staff of an umbrella.

In the construction of the invention a plate 1, of thin spring metal, such as corset steel, is provided, which may be nickeled. The plate 1 is formed with the diverging arms 2, which are connected by the bar or strip 3 to give them strength and the bar 3 may be bent to conform to the shape of the body at the waist. The plate 1 has secured to its upper end by rivets 4, a metal head 5, preferably of aluminum and provided with the elongated slot 6. The head 5 is thinner in the middle than at the ends and its inner face is concaved to conform to the shape of the body. Upon the head 5 is supported a bent bracket arm 7, by means of a threaded bolt 8, having a head 9 seated in and adapted to slide in a groove 10 in the back of the head 5. The plate 1 is provided with a hole 11 for the admission of the bolt 8 and passage of its head 9. The arm 7 is movable on the head

5, the bolt 8 moving along the slot 6, and the arm 7 is held in adjusted position by means of a thumb nut 12 on the bolt 8, and bearing against the arm 7. The arm 7 is held from turning in the slot 6 by a projection 7' on the side of the arm 7, and projecting into the slot 6. A suitable clamp for an umbrella staff is provided, and as here shown, preferably consists of a spring sleeve 13, made of thin spring steel, and formed with the rolled meeting vertical edges 14, which permits an umbrella staff 15 to slip between them as they are pressed apart, and to be easily pushed into sleeve 13. To strengthen the sleeve 13, and afford additional means for holding the staff 15 firmly in the sleeve 13, the latter is provided with a spring clip 16, hinged thereto, and springing over the rolled edges 14 to lock them together. The sleeve 13 is mounted on a T shaped arm 17, and is secured thereto by rivets 18, the latter extending through a crescent shaped lining 19, on the inside of sleeve 13, in which they are headed, as shown in Fig. 3. In order to permit the umbrella to be adjusted, and held in various positions, besides the adjustment of the arm 7 on head 5, the arm 17 is mounted on, and connected to the arm 7, by a universal joint, as for example, the ball and socket joint 20, shown in Fig. 2. The outer end of arm 7 is formed with the hemispherical recessed part 21, having a peripherally threaded portion, upon which is screwed the threaded hemispherical part 22, forming with the part 21, a socket 23 for the reception of a ball 24. The arm 17, passing through an opening 25 in the part 22, screws into the ball 24, and is held thereon by a screw 26, screwed into a hole 27, and having its head 28 bearing against a washer 29 in a recess 30 in the ball 24, for admission of the screw and washer. The thumb nut 12, arms 7 and 17, ball 24 and part 22 are preferably made of aluminum.

Referring to Fig. 1, the umbrella support hereinbefore described is provided with a harness to be attached to the body of a person. The harness consists of a chest band 31 extending about the body under the arms, and having its ends connected with the plate 1, at the ends of the head 5, by means of hooks 32, engaging slots (not shown) in the plate 1. The head 5 is provided with a recess or opening 33 at each end to permit of

the passage of hook 32. The band 31 is provided with buckles 34 to adjust it to the size of the wearer. The harness further consists of the combined shoulder and waist or suspender bands 35, provided with adjusting buckles 36, and connected at their forward ends with the plate 1, by hooks 37 engaging slots (not shown) in the plate 1, at the upper side of head 5, the latter, having recesses 38 for the passage of hooks 37. The suspender bands 35 extend over the shoulders, as shown in Fig. 1, and down the back, and around the sides of the wearer and are connected at their lower ends with the ends of the arms 2 by hooks 39, engaging slots 40 in the arms 2. Each of the hooks 32, 37, and 39 is provided with a projection 41, to prevent its becoming accidentally unhooked from its slot. The bands 35 converge together at the back, as shown in Fig. 1 and are drawn close together a little below the neck of the wearer, by a non-elastic band 42, secured at its ends to the bands 35, which prevents the latter slipping from the shoulders, and prevents the plate 1, from moving too far from the body. The band 31 is fastened to the bands 35 at the back as shown in Fig. 1, and holds the bands 35 in position as they pass down about the sides of the wearer, and enables the latter to readily catch their loose lower ends when putting the harness on. The band 31 is elastic between the points 31' on the back, and is non-elastic from the points 31' to its hooks 32. By this means some elasticity is provided but not too much; since if all of the bands were elastic there would be too great swing from the body. By means of the hooks which may be instantly detached, the user may quickly and easily attach or detach the device, and by means of the buckles the harness may be adjusted to fit the body of the wearer: or the plate 1 may be raised or lowered as desired.

By reason of the bands 31, and 35 being connected at the back as set forth, the umbrella supporting device attached to the harness is prevented from slipping sidewise about the body at either end. By this means perfect rigidity is maintained, so far as any movement or tipping sidewise is concerned. The arm 7 adjustable on the head 5, enables the user to carry his umbrella in front, or over either shoulder or at any intermediate point; while the ball and socket joint permits it to be adjusted to various angular positions. The harness permits of free movement of the shoulders, does not prevent or bind any posture of the body, and insures its being easily and comfortably worn. The harness may be worn either over, or under the vest, and the arm 7 and its connections may be removed from head 5, and being light may be carried in the pocket, while the harness, wholly concealed

under the vest, may be comfortably worn, 65 and in readiness for instant use.

Having described the invention I claim:—

1. In an umbrella support, a breast plate, a chest strap connected to the upper portion of the breast plate, combined shoulder and waist bands extending from the opposite sides of the upper portion of the breast plate to the same sides of the lower portion thereof, and an umbrella clamp adjustably mounted on said breast plate. 70 75

2. In an umbrella support, a breast support, an umbrella clamp adjustably mounted thereon, and a breast plate carrying harness comprising a chest strap connected to the opposite sides of the upper portion of the breast plate, and combined shoulder and waist straps extending from the opposite sides of the upper portion of the breast plate to the same sides of the lower portion thereof, the rear of the chest strap being connected to the rear portions of the shoulder and waist straps. 80 85

3. In an umbrella support, a breast plate, an umbrella clamp adjustably mounted thereon and a carrying harness comprising an adjustable chest strap connected to the opposite sides of the upper portion of the breast plate and provided with elastic and inelastic sections, combined shoulder and waist straps extending from the opposite sides of the upper portion of the breast plate to the same sides of the lower portion thereof, the inelastic portion of the chest strap being connected to the rear portions of the shoulder and waist straps, and an auxiliary connecting band connecting the shoulder and waist straps at a point above the chest strap. 90 95 100

4. In an umbrella support, a breast plate, a segmental bar secured to the upper portion of the breast plate and provided with an elongated slot, a bracket, a lug projecting therefrom and entering said slot, a headed bolt extending through an opening in the lug and bracket, the rear face of the bar being grooved for the reception of the head of the bolt, a clamping nut on the outer end of the bolt, and an umbrella clamp supported by the bracket. 105 110

5. In an umbrella support, a breast plate, a segmental bar arranged at the upper portion of the breast plate and provided with an elongated slot, a clamp carrying bracket having a rectangular lug entering said slot and tending to prevent rotative movement of the bracket, a headed bolt threaded at its outer end and extending through an opening in the lug and bracket, the rear face of the bracket being grooved for the reception of the head of the bolt, and the breast plate having an opening to permit the passage of the bolt, and a clamping nut mounted on the outer threaded end of said bolt and bearing against the outer face of the bracket. 115 120 125

6. In an umbrella support, a freely flexible breast plate, a carrying harness connected to said breast plate, a segmental bar carried by the plate and provided with an elongated
5 groove, a clamp carrying bracket having a lug projecting into the groove, and a clamping bolt for holding the bracket to the bar.

7. In an umbrella support, a freely flexible breast plate, a carrying harness therefor, a
10 bar secured to the upper portion of the breast plate and of gradually increasing thickness from the center toward both ends, the inner face of the plate being concaved to conform to the chest of the wearer, and an umbrella
15 supporting member carried by said bar and adjustable along the length thereof.

8. In an umbrella support, a breast plate, a slotted bar secured to the breast plate, a bracket adjustably mounted on the bar and
20 provided at its outer end with a ball socket, a ball fitting within said socket and provided with a threaded opening, and a recessed rear face, an umbrella carrying clamp having a threaded shank member adapted to the
25 threaded member, the shank member being

provided with a threaded bore, and a clamping screw insertible through the recess of the ball and fitting in said threaded bore.

9. In an umbrella support, a spring clamping collar open at one side and provided with
30 rolled edges, and a spring clamp pivoted to one side of the collar and arranged to engage said rolled edges to hold the collar in closed position.

10. In an umbrella support of the class
35 described, an elastic clamping collar open at one side and provided with rounded edges, a T-shaped carrying member fitting against the outer face of the collar, a crescentic lining member within the collar, and secur-
40 ing members extending through the lining member, the collar, and the carrying member.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ANSON E. SHUSTER.

Witnesses:

CHARLES E. MAYBEE,
J. W. GARDINER.