Jan. 4, 1966 C. F. BAKER 3,227,867

FIRST AID UMBRELLA

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Fig. 1

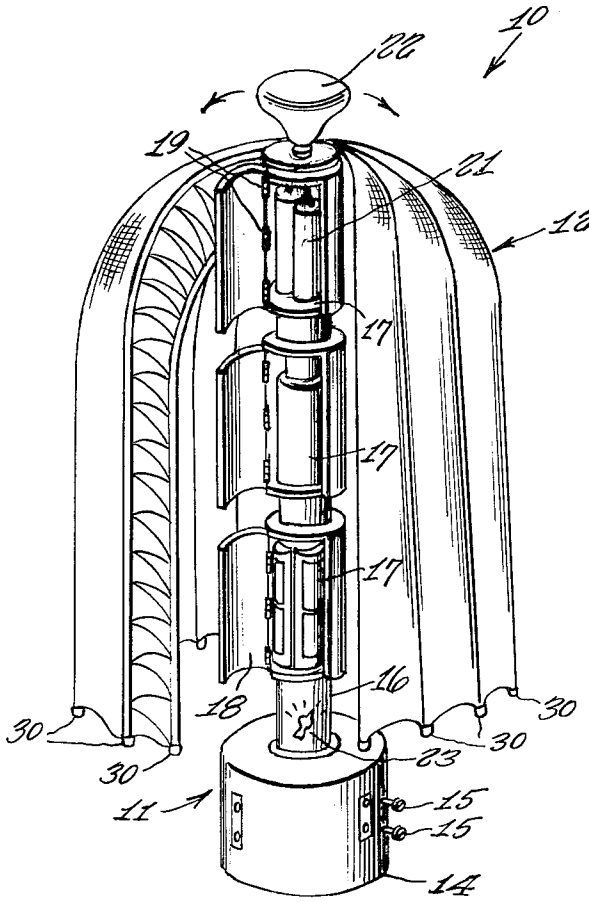


Fig. 2

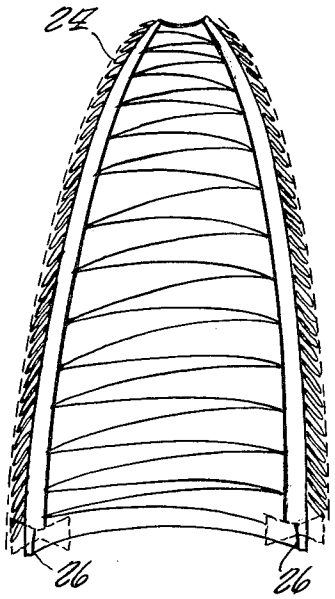
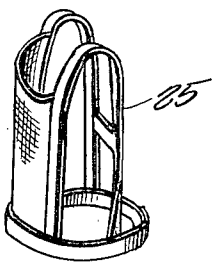


Fig. 3



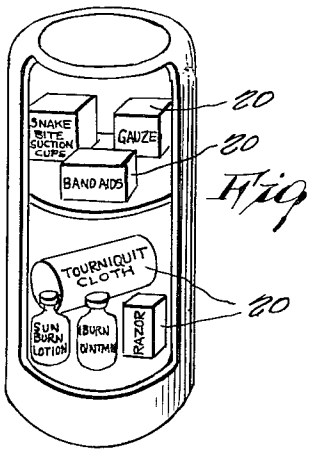


Fig. 10

INVENTOR.

CAROLYN F. BAKER

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Fig. 4

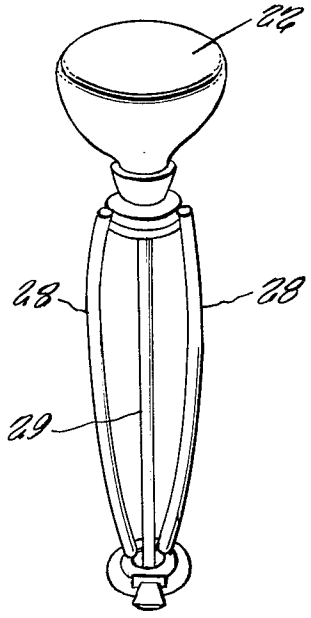


Fig. 5

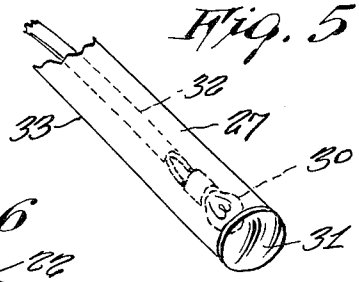


Fig. 6

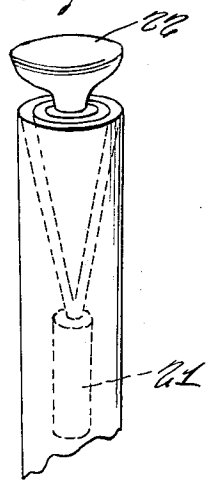


Fig. 7

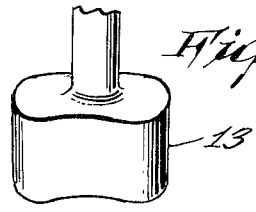


Fig. 8

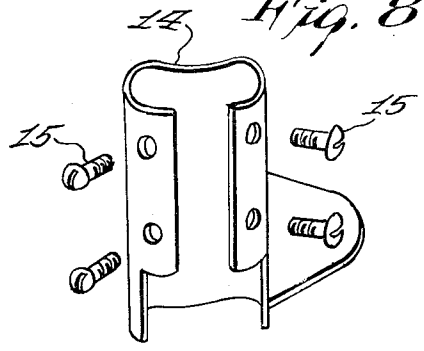
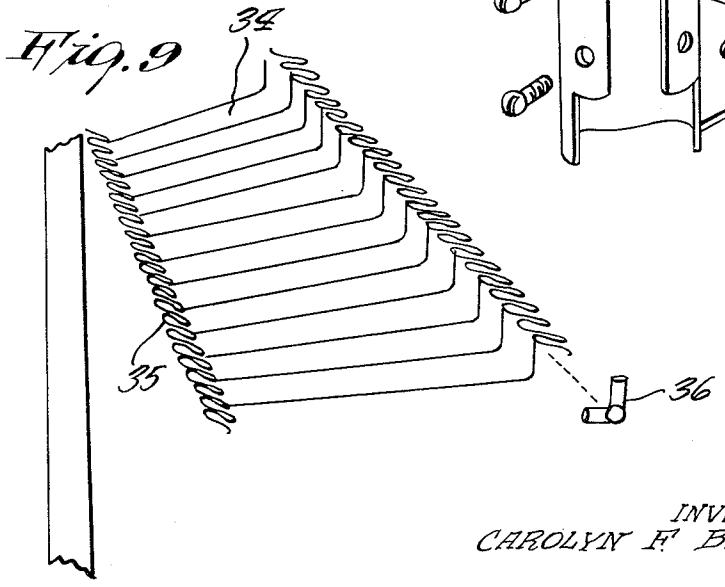


Fig. 9



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United States Patent Office 3,227,867 Patented Jan. 4, 1966

3,227,867

FIRST AID UMBRELLA

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Filed Mar. 10, 1964, Ser. No. 350,727
5 Claims. (Cl. 240—6.42)

This invention relates to first aid equipment in general and more specifically to an umbrella structure incorporating first aid equipment therein.

It is an object of the present invention to provide a first aid umbrella designed primarily for use on large vehicle equipment, such as road tractors, and graders as well as tractors for use on farms and the like.

It is another object of the present invention to provide a first aid umbrella that may be varied for use by pedestrians, hikers, bicyclists or horseback riders.

It is still another object of the preesnt invention to provide a first aid umbrella having clamp means for fastening the same to the straight back of the seat of heavy road equipment, farm machinery and the like and which would have first aid supplies readily available for the operator at all times.

It is a further object of the invention to provied a first aid umbrella having light providing means for the purpose of aiding workers to see in the early morning hours and in the later afternoon, thereby promoting safety while daylight hours are still dim.

It is still a further object of the invention to provide a first aid umbrella having light means and self-contained power for operating the light.

Other objects of the invention are to provide a first aid umbrella bearing the above objects in mind which is of simple construction, has a minimum number of parts, is inexpensive to manufacture and efficient in use.

For other objects and for a better understanding of the invention reference may be had to the following detailed description taken in conjunction with the accompanying drawing, in which:

FIGURE 1 is a perspective view of the present invention shown with the front removed therefrom to show the interior construction and showing the doors of certain structure in open position;

FIG. 2 is a perspective view of the front panel;

FIG. 3 is a perspective view of a shoulder harness used for the purpose of carrying the present invention;

FIG. 4 is a perspective view showing the rod construction;

FIG. 5 illustrates the electric wires within the rubber tubing;

FIG. 6 illustrates the battery and associate construction;

FIG. 7 shows the oval base of the large version of the first aid umbrella;

FIG. 8 shows the holder on the back of a tractor seat within which the first aid umbrella is attached;

FIG. 9 illustrates the accordian-pleated fabric, the flexible wire and the grooved panel;

FIG. 10 shows the compartment with various first aid equipment located therein.

Referring now to the drawing in detail, the numeral **10** represents a first aid umbrella according to the present invention wherein there is a central support **11** and a canopy **12** affixed to the central support **11**. The central support is provided with an oval base **13** which fits within a holder **14** on the back seat of various heavy road equipment machinery, such as tractors, graders, and the like. Screws **15** are provided for the purpose of attaching the holder to the seat. The central support **11** includes a column **16** having a plurality of compartments **17** formed thereupon in vertical relationship to each other. Each of the compartments **17** is provided with a door **18**

mounted upon hinges **19** about which the door **18** may pivot from a closed to an open position. Located within each of the compartments **17** is a plurality of various medical supplies and equipment for first aid purposes, such as band-aids, gauze, tourniquet cloth, snake bits suction cups, sunburn lotion, sunburn ointment, a razor and various other supplies designated by the numeral **20**. Shown in the top compartment of FIG. 1 of the drawing are several batteries **21** of the dry cell type which are used to provide power for the lamp **22** located above the top of the column. The lamp **22** has means for providing a beam of light upwardly and has means for turning in any direction. A light beam control **23** is provided near the base of the column for the purpose of operating the light. A front panel **24** illustrated in FIG. 2 of the drawing is provided having plates and is connected to finger tip controls, so as to push out of the way, thereby providing access to the first aid equipment located on the central support of the first aid umbrella.

In FIG. 3 of the drawing a shoulder belt with holder for smaller size umbrellas is illustrated and designated with the numeral **25**, and the holster with the holder is in the center of the back thereof. It is important to note that when the umbrella is enclosed or in down position the pleated material that forms the front panel can slide up the full length of the panel on the constructions shown at **26**, illustrated in FIG. 2 of the drawing. These constructions are the finger tip control runners that extend the full upward length of the panel making the rod or central support of the umbrella accessible to the operator. The wires that extend from the batteries to the bulb within the lamp are enclosed in rubber tubing, as illustrated in FIG. 5, and indicated by the numeral **27**. In FIG. 4 there is illustrated a construction whereby the lamp light may be focussed in any one direction. This is accomplished by the outer rods **28** which move the light around a circle. The central rod **29** control the vertical up and down position and resting position for the center beam.

In FIG. 5 there is illustrated a detail of one of the ends of the umbrella ribbing, showing the bulb **30** with a plexiglass cover **31** placed over the bulb. Also shown are the female wires connected to the bulb screw outlet and up through the ribbing to the battery case, the wire being indicated by the numeral **32**, and the ribbing identified by the numeral **33**.

In FIG. 9 there is shown the accordian pleated fabric **34** which slides up and down the umbrella. Also shown are the flexible wires **35**. The front panel may be opened and closed with latches that snap together while being pushed back and forth, as illustrated at **36** in FIG. 9. It is to be here noted that the pleated fabric **34** should be treated with waterproof solution for purposes of outdoor use, and the runners **26** are grooved. Certain first aid containers may be made individual and made to revolve around the center to snap in to the compartments by small detents in the middle of each end.

It is to be noted that the batteries may be made to rotate or revolve in a similar manner for maximum efficiency. It is to be understood that all of the supplies contained within the first aid umbrella would be replaceable and refill kits could be sold for replenishing the same.

In operation, the controls for manipulating the first aid umbrella would necessarily be performed by a person other than the driver of the vehicle. Such person would ride in back, behind the driver. When the batteries are rotated into position, lights may be snapped on, the wiring being connected to the snap buttons. For hikers and bicyclists the umbrella may be built upon a smaller scale and may be inserted into a slot formed upon a belt

which in turn forms a shoulder belt or holster. The controls here would also necessarily be operated by another person having easier access thereto than the carrier.

While various changes may be made in the detail construction it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claims.

What I claim as new and desire to protect by Letters Patent of the United States is:

1. In a first aid umbrella the combination of a support, carried in a holder attachable to a vehicle, said central support supporting a canopy and said central support having a plurality of compartments in vertical relationship to each other, said compartments containing a variety of medical and first aid equipment, each of said compartments having a door attached to said compartment by means of hinges and said central support having control means for operating a lamp at the top of said central support and a plurality of lamps at the ends of the umbrella canopy ribs.

2. In a first aid umbrella the combination as set forth in claim 1 wherein said canopy has a first panel having a vertically slidable waterproof fabric material, said material being slidable in grooved runners, and said fabric in an upwardly slidable position providing access to the compartments of the central support of said umbrella.

3. In a first aid umbrella the combination as set forth in claim 2 wherein said lamp at the top of the said central support has means for upward or horizontal directional light beam projection, said projection being controlled by a plurality of side rods and a central rod located within the central support of said umbrella.

4. In a first aid umbrella the combination as set forth in claim 3 wherein each of said lamps at the end of said umbrella canopy ribs is provided with a plexiglass cover over said lamp and at the extreme tip of said umbrella rib.

5. In a first aid umbrella the combination as set forth in claim 4 wherein said lamps are operated by a plurality of batteries located within one of said compartments on the central support and said batteries are rotatable in a revolving position respective to each other.

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C. LOGAN, *Assistant Examiner.*