

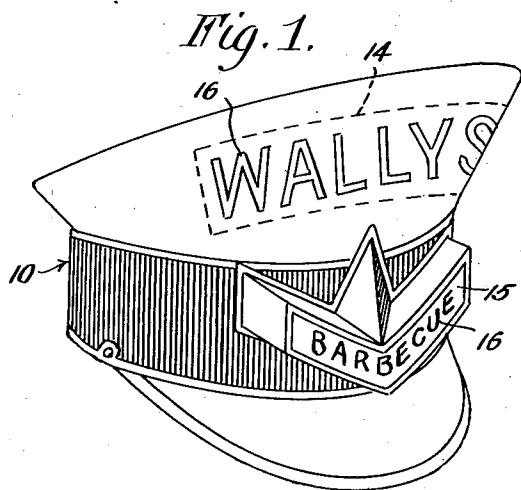
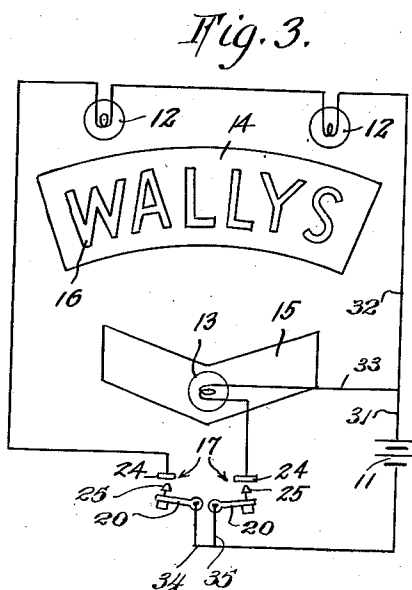
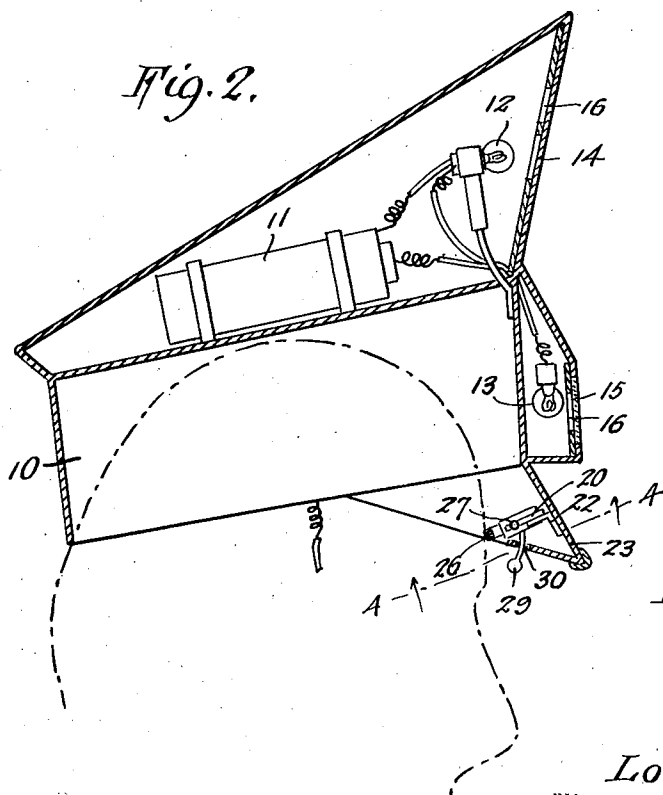
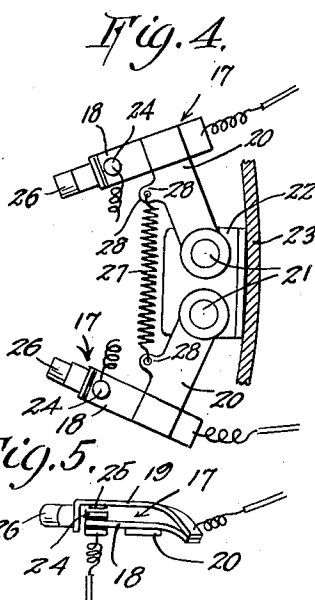
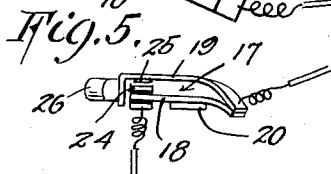
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ILLUMINATED HAT

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ILLUMINATED HAT

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5 Claims. (Cl. 240—60)

This invention relates to illuminated hats and while not restricted thereto the same has particular reference to an advertising hat illuminated by the closing of electrical switch mechanism by manipulation of the facial muscles such as by the wrinkling of the forehead of the wearer.

The invention primarily comprehends a hat bearing advertising matter with an electric lamp mounted therebehind and in circuit with switch mechanism having a control button so constructed and arranged over the forehead of the wearer that the same may be manipulated by the wrinkling of the forehead of the wearer to close the switch mechanism to thereby establish electrical circuit with the lamp so as to illuminate the advertising matter.

The invention further comprehends in a hat of the indicated character electrical switch means pivoted to the hat and normally tensioned to swing inwardly with a control button in contact with the forehead of the wearer and which control button is movable when in contact with the head of the wearer to close the switch means.

The invention also includes means projecting through the hat for retracting the switch means for disposing the button in an out-of-the-way position when positioning the hat on the head of the wearer.

With the foregoing and other objects in view, reference is now made to the following specification and accompanying drawing in which there is illustrated a preferred form of the invention, while the appended claims cover variations and modifications thereof which fall within the scope of the invention.

In the drawing:

Fig. 1 is a perspective view of a hat embodying illuminating means constructed in accordance with the invention.

Fig. 2 is an enlarged vertical sectional view thereof.

Fig. 3 is a view of the wiring diagram.

Fig. 4 is a fragmentary enlarged sectional view taken approximately on the line 4—4 of Fig. 2.

Fig. 5 is a side view of one of the switches illustrated in Fig. 4.

Referring to the drawing by characters of reference, 10 designates a hat of any desired construction which in the instant embodiment is a uniform cap and within which is housed an electric dry cell battery 11 electrically connected with any desired number of electric lamps 12 and 13.

The hat 10 is provided with one or more transparent panels 14 and 15 upon which is arranged advertising matter 16 of any desired character

behind which are positioned the electric lamps 12 and 13 respectively for illuminating the same.

A switch mechanism consists of one or more identical switches 17, two being shown in the instant embodiment, each of which includes a pair of switch arms 18 and 19, the switch arms 18 being rigidly affixed to the outer end of a lever arm 20 pivoted as at 21 to an inwardly projecting angle bracket 22 secured to the visor 23 of the hat 10. Each switch arm 19 is of resilient material and the arms 18 and 19 are provided with contact elements 24 and 25 normally arranged in confronting spaced relation as shown in Fig. 5 of the drawing. The switch arm 19 is provided with a control button 26 which projects inwardly from the visor and is so located as to engage against the forehead of the wearer.

In the instant embodiment the switches 17 are arranged in oppositely disposed relation so that the contact buttons 26 engage with opposite sides of the forehead and are normally urged into engagement therewith by means of a coil contractile spring 27, the opposite terminals of which are attached to lugs 28 formed on the lever arms 20.

In order to provide means for manually retracting the switches 17 so as to dispose the control buttons 26 in an out-of-the-way position when donning and removing the hat, a depending manipulating knob 29 is provided on each switch 17 which extends through slots 30 in the visor 23 whereby the knobs are disposed exterior thereof.

Obviously, the circuit may be variously arranged to control the lighting of the lamps but as illustrated in Fig. 3 wherein several lamps are employed, the wiring diagram includes the battery 11, the lamps 12 and 13. A circuit wire 31 leads from one pole of the battery 11 and is connected with branch circuit wires 32 and 33.

The circuit wire 32 leads to the contact element 24 of the left hand switch 17 and has interposed in series therein the lamps 12 for illuminating the panel 14. A circuit wire 34 leads from the contact 25 of the movable contact arm 18 of the left hand switch 17 to the other pole of the battery 11.

The branch wire 33 leads to the contact element 24 of the right hand switch 17 and has interposed therein the lamp 13 which illuminates the panel 15. A circuit wire 35 leads from the movable contact element 25 of the right hand switch 17 to the circuit wire 34.

What is claimed is:

1. In a hat of the character described, a hat body, an electric circuit including an electric

lamp contained within the hat body, a source of current supply and a switch device having a pair of normally spaced contact elements, one of said contact elements having a control button adapted to seat against the forehead of the wearer and said control button being movable by the wrinkling of the forehead to engage the pair of contact elements to thereby close the electrical circuit with the lamp and source of current supply.

2. In a hat of the character described, a hat body, an electric circuit including an electric lamp contained within the hat body, a source of current supply and a switch device including a pair of normally spaced contact elements respectively connected in said circuit, one of said contact elements having a control button and said switch device being pivoted to said hat body and normally tensioned to swing inwardly to dispose the said control button in resilient engagement against the forehead of the wearer, said control button being movable by the wrinkling of the forehead of the wearer to engage the said contact elements to thereby close the electrical circuit with the lamp and said source of current supply.

3. In a hat of the character described, a hat body, an electric circuit including an electric lamp contained within said hat body, a source of current supply and a switch device including a pair of switch arms having contact points in circuit respectively with said lamp and source of current supply, said switch arms being tensioned to hold the contact points in normally spaced relation, one of said switch arms having a control button, and said switch device being pivoted to said hat body and normally tensioned to swing inwardly to dispose the said control button in resilient engagement against the forehead of the wearer, and said control button being movable by the wrinkling of the forehead of the wearer to move its switch arm to thereby engage the said contact points for establishing the electrical circuit with the lamp and said source of current supply.

4. In a hat of the character described, a hat

body, an electric circuit including an electric lamp contained within the hat body, a source of current supply and a switch device including a pair of normally spaced contact elements respectively connected in said circuit, one of said contact elements having a control button, said switch device being pivoted to said hat body and normally tensioned to swing inwardly to dispose the said control button in resilient engagement against the forehead of the wearer, said control button being movable by the wrinkling of the forehead of the wearer to engage the said contact elements for establishing the electrical circuit with the lamp and said source of current supply, and said switch device having means disposed exterior of the hat body for manually retracting the control button out of engagement with the forehead of the wearer for facilitating the positioning of the hat on the head of the wearer and the removal of the same therefrom.

5. In a hat of the character described, a hat body, an electric circuit including an electric lamp contained within said hat body, a source of current supply and a switch device including a pair of switch arms having contact points in circuit respectively with said lamp and source of current supply, said switch arms being tensioned to hold the contact points in normally spaced relation, one of said switch arms having a control button, said switch device being pivoted to said hat body and normally tensioned to swing inwardly to dispose the said control button in resilient engagement against the forehead of the wearer, said control button being movable by the wrinkling of the forehead of the wearer to move its switch arm to thereby engage the said contact points for establishing electric circuit with the lamp and said source of current supply, and said switch device having means disposed exterior of the hat body for manually retracting the control button out of engagement with the forehead of the wearer for facilitating the positioning of the hat on the head of the wearer and the removal of the same therefrom.

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