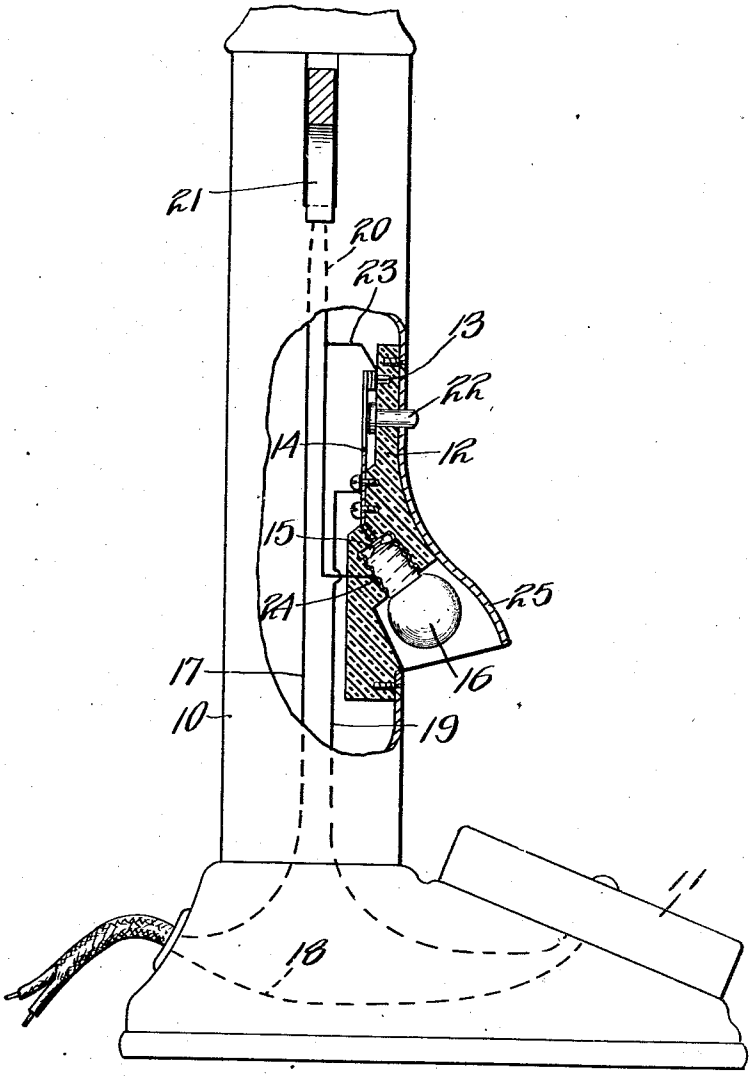
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ILLUMINATING DEVICE FOR DIAL TELEPHONES

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ILLUMINATING DEVICE FOR DIAL TELEPHONES

Application filed March 22, 1929. Serial No. 349,176.

This invention relates to means for illuminating the dial in dial telephones.

An object of the invention is to provide illuminating means for dial telephones in circuit with the telephone wire itself.

A further object is to provide means for short circuiting the illuminating means when not desired to have it illuminate the dial.

Further objects and advantages will become apparent as the description proceeds.

Referring to the accompanying drawings, which are made a part hereof, and on which similar reference characters indicate similar parts,

The figure is a view in elevation of a dial telephone with parts broken away to show details of the illuminating elements.

In the drawing numeral 10 indicates the neck or body portion of a telephone instrument having the dial 11 mounted on its base Mounted in a recess in the neck of the telephone is an insulating block 12 having a binding post 13 embedded in one end and having a resilient contact element 14 secured upon the other end of the block, the contact element 14 terminating in a lamp socket 15 into which may be screwed a light bulb 16. Wires 17, 18, 19 and 20 form the circuit for the telephone, the circuit being closed in a well known way by the receiver hook 21 when the receiver is removed from the hook. A button 22 of insulating material is secured upon the contact element 14 by means of which the element 14 may be pressed inwardly to break contact between the point 13 and the element 14. A wire 23 connects the contact 13 with the wire 20, and the wire 20 is connected at 24 to the side of the socket 15 with which the screw threads on the bulb 16 make contact in a well known manner. An overhanging hood 25 protects the bulb 10 from accidental injury.

In operation the operator removes the receiver from the hook 21 to close circuit through the wires 17, 18, 19 and 20. When so closed with the element 14 in contact with the contact point 13 the circuit passes through the wires 20, 23, contact point 13, element 14 and wire 19, in which case the light bulb 16 is short circuited, and hence is not lighted. The operator then pushes in the button 22 to break contact between the element 14 and the point 13 to cut out the short circuit, causing the circuit to be closed through the wire 20, point 24, element 14 and wire 19 to light the bulb 16 to illuminate the dial. The operator may then manipulate the dial to call his number. After having completed dialling the button 22 is released so that the element 14 again contacts with 13 to short circuit the light 16. The lamp 16 therefore will be burning only when the operator is actually dialling.

It should be observed that the current normally carried by the wires 17, 18, 19 and 20 when telephoning is ample to light the bulb 16 which preferably is such a bulb as is used for example in a small flash light.

It will be obvious to those skilled in the art that various changes may be made in my device without departing from the spirit of the invention, and I, therefore, do not limit myself to what is shown in the drawings and described in the specification, but only as set forth in the appended claims.

Having thus fully described my said invention, what I claim as new and desire to secure by Letters Patent, is:

1. In a dial telephone system, the combination with a telephone base of a dial mounted thereon, a body portion mounted on said base provided with an overhanging hood, a block mounted beneath said hood in said body having a light bulb therein, means for normally short circuiting the said light, and manually operable means for cutting out the said short circuiting means, substantially as set forth.

2. In a dial telephone system, the combination of a telephone provided with a body portion and a base secured thereto, a dial mounted on said base, an overhanging hood on said body portion, an electric circuit connecting said dial and a lamp under said hood connected in said circuit, means operable upon operation of the telephone for short circuiting the said lamp and manually operable means for cutting out the short circuit, substantially as set forth.

3. In a dial telephone system the combination of a telephone body portion having a base

secured thereto, a dial mounted on said base, an insulating block seated in said body portion, a lamp socket therein, a lamp in said socket, a hood secured to said body portion and overhanging said lamp, an electric circuit connecting said dial and said lamp, means operable for short circuiting said lamp, and means manually operable for cutting out the short circuit, substantially as set forth.

In witness whereof, I have hereunto set my hand at New York, New York this 20th day of March A. D. nineteen hundred and twenty-nine.

GENEVIEVE YOUNG HITT.