

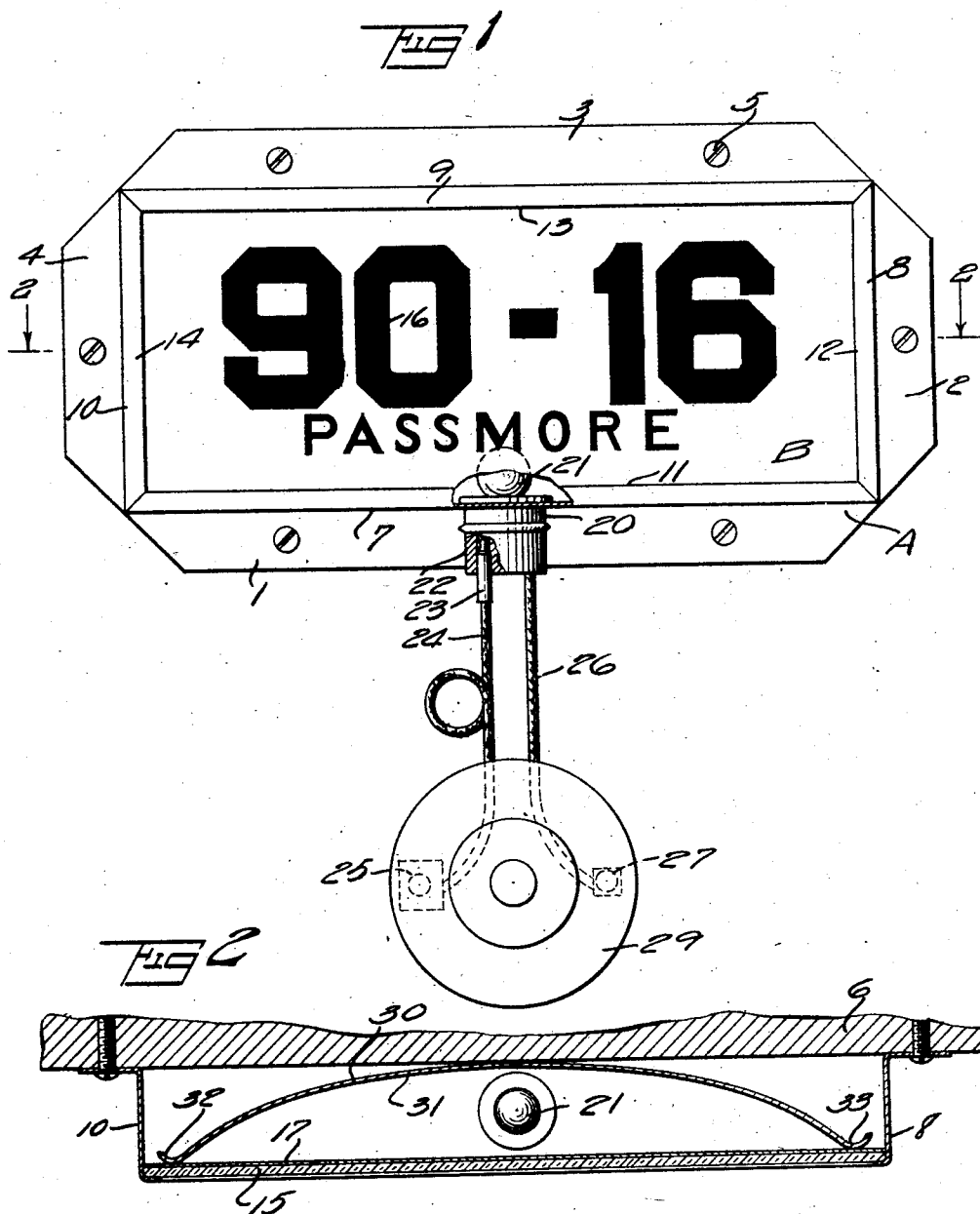
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BELL CIRCUIT OPERATED ILLUMINATED SIGN

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BELL-CIRCUIT-OPERATED ILLUMINATED SIGN.

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This invention relates to illuminated signs of the type to be associated with the push button and bell-ringing circuit of a house.

be selected so as not to ring the door bell and to accord with the voltage of the ringing circuit. The plug 23 extends out of the connector 22 for easy and frequent manipulation. This serves as the switch to control the circuit for the bulb 21.

A cylindrical-shaped or bowed strip of sheet metal 30 with its face 31 covered with some light-diffusing material such as aluminum paint is bent so as to tend to occupy a horizontal space greater than the space between the window and the building wall so that it will be compressed. It has preferably out-turned bearing edges 32 and 33 adapted to press through the spring urge inherent in the strip 30 itself against the window 15 to hold the same in place against the reaction of the flanges 11, 12, 13 and 14. In this way both the plate 30 serving as a reflector is properly mounted in position, and, at the same time, the window is firmly held to form a tight outer closure. If desired, gaskets may be provided between the rim of the window and the flanges 11, 12, 13 and 14. This is likewise true between the building wall and the flanges 1, 2, 3 and 4.

The inventive thought may have a variety of expressions as is contemplated by what I claim and desire to secure by United States Letters Patent as follows:—

1. An illuminated sign adapted for combination with the front door bell electric circuit of houses comprising an outstanding frame open at the front; a translucent display window adapted to close said front; retaining means for said window formed on said frame to resist outward movement of said window; a resilient combined reflector and holder of bowed configuration with its concavity towards said window and with its ends terminating short of the sidewalls of said frame, the natural bow in said holder being of a depth greater than the depth of said frame; means for mounting said frame so as to hold said holder resiliently flexed with its ends forcibly thrusting outwardly to press said window firmly against said retaining means; an electric light bulb socket between said combined reflector and holder and said window; and electric connections for supplying current to said socket.

2. In illuminated signs, a rectangular metal frame open at the front and the back; attaching flanges at the rear of said frame adapted to fasten the same to the vertical face of a house; window retaining flanges

The object of the invention is to improve the construction of such a sign, provide a construction which is durable, efficient, easily combined with the push-button on a house, has simple electric control, and above all is extremely economical to manufacture.

Further objects of the invention will be pointed out more in detail in the accompanying claims which are directed to an illustrative embodiment of the invention shown in the accompanying drawings solely for purposes of illustration and not in limitation.

In the drawings—

Fig. 1 is a front elevation, partly in section and partly diagrammatic, of the invention associated with a push button; and

Fig. 2 is a horizontal section through the embodiment of Fig. 1.

A sheet metal frame A is constructed preferably of rectangular configuration with struck-out integral flanges 1, 2, 3 and 4 for the reception of screws 5 for the purpose of attaching the same to a building wall 6. The flanges 1, 2, 3 and 4 project out at right angles respectively from the side walls 7, 8, 9 and 10. At the front of the frame, inturned flanges 11, 12, 13 and 14 are provided as retaining means for a translucent window B. In its preferred construction this window comprises a sheet of plain glass 15 to fit the window opening, opaque or contrasting display characters 16, and a rear covering 17 of colored translucent material such as colored crêpe paper pasted at its edges to the glass. By this construction inexpensive glass may be employed such as ordinary window glass while all the colored part and the display and the characters are protected.

A suitable socket 20 to mount an electric bulb 21 is itself mounted in the frame as, for example, in the wall 7. It is preferred that this socket itself have an electric connector 22 for cooperation with the plug or pin 23 forming the terminal of a flexible connector extending from one terminal 25 of the bell ringing circuit, while the other leg of the local circuit for the bulb 21 is provided through means of the connection 26 extending from the other terminal 27 of the bell ringing circuit. The mounting of the bulb 21 is thus mid-positioned between the front and back of the frame A. The bulb should

at the forward part of said frame; a translucent legend displaying window mounted against the front flanges in said frame; an electric bulb socket mounted in one side wall
5 of said frame between the front and rear thereof; a combination window retainer and reflector in the form of a resilient bent metal strip bowed and adapted to react between

the face of said house and said window to hold said window firmly in place and serving as a reflector.

In witness whereof, I have signed my name to this specification this 31st day of March, 1924.

CHARLES EUCLAIR PASSMORE