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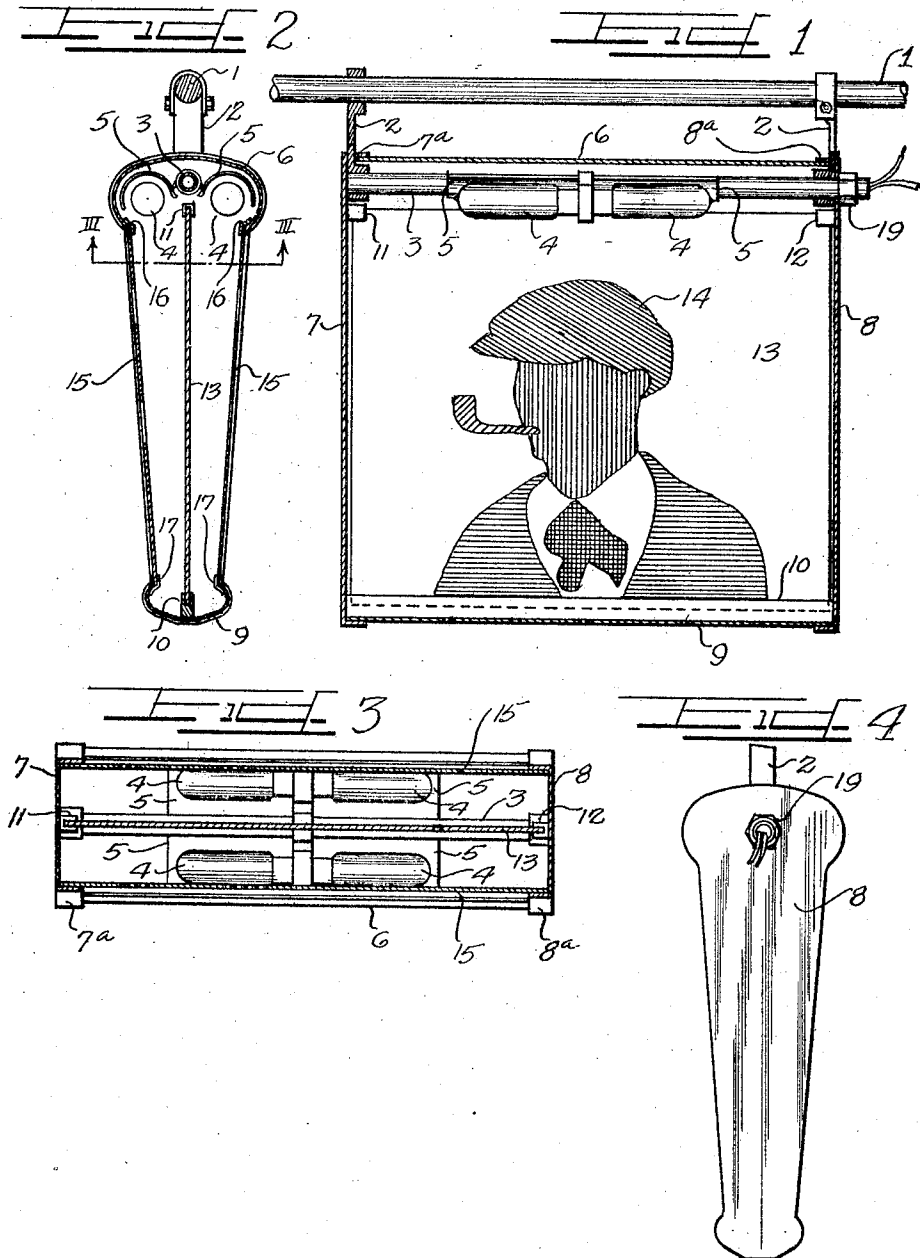
1,580,928

H. STANGEBYE

ELECTRIC SIGN

Filed Feb. 21, 1925

2 Sheets-Sheet 1



INVENTOR
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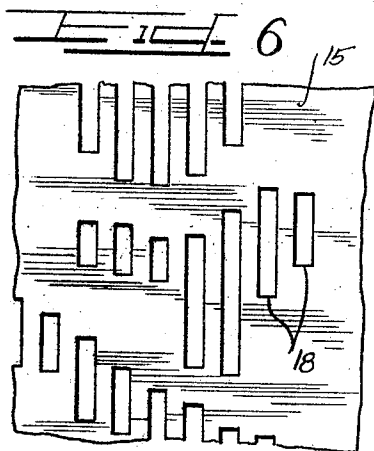
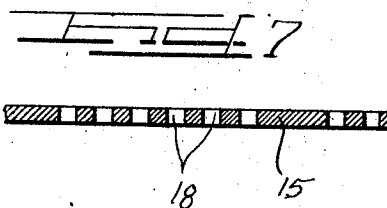
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2 Sheets-Sheet 2

Fig. 5



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UNITED STATES PATENT OFFICE.

HAROLD STANGEBYE, OF HOBART, INDIANA.

ELECTRIC SIGN.

Application filed February 21, 1925. Serial No. 10,768.

To all whom it may concern:

Be it known that I, HAROLD STANGEBYE, a citizen of the United States, and a resident of the city of Hobart, in the county of Lake and State of Indiana, have invented certain new and useful Improvements in an Electric Sign; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form a part of this specification.

This invention relates to illuminated signs in general and more particularly to such signs as are adapted to display an indirectly illuminated picture or representation thereon. It is accordingly an object of this invention to provide an indirectly illuminated sign.

It is a further object of this invention to provide a sign having component configurations thereon and means for indirectly coloring the different component configurations of said sign.

It is also an object of this invention to provide an indirectly illuminated and colored design.

It is further an object of this invention to provide perforated plates, the perforations thereof being arranged according to a selected configuration.

It is also an object of this invention to provide such a plate with means for indirectly coloring and illuminating the same.

With the above and other objects in view as will be apparent, this invention consists in the construction, combination and arrangement of parts all as hereinafter more fully described, claimed and illustrated in the accompanying drawings.

On the drawings:

Figure 1 represents an elevational view partly in section of an electrical sign embodying the principles of this invention and showing the indirect coloring means and illuminating means.

Figure 2 is a vertical cross section of the sign.

Figure 3 is a section on the line III—III of Figure 2.

Figure 4 is an end view of the sign.

Figure 5 is a detail view of a configuration plate forming part of this invention.

Figure 6 is an enlarged fragmentary detail view of a portion of the configuration plate of Figure 5.

Figure 7 is a detail cross sectional view of Figure 6.

As shown on the drawings:

Numeral 1 represents a suitable supporting bar which has supported thereon and depending therefrom a pair of brackets 2. Secured in the lower end of the brackets 2 is a conduit 3 which is adapted to support a plurality of electric light bulbs 4 and reflectors 5 therefor. The bulbs 4 and the reflectors 5 are arranged so as to extend on either side of the conduit 3 and parallel to the axis thereof. Supported between the brackets 2 and enclosing the lights 4 and reflectors 5 is a hood 6. A pair of end members 7 and 8 are shaped substantially as shown in Figure 4 and are provided with inwardly extending peripheral flanges 7^a and 8^a. Supported by the lower portions of the flanges 7^a and 8^a is a channel-shaped perforated bottom member 9. The member 9 has secured thereto a grooved member 10. Extending inwardly from the upper portions of the end members 7 and 8, and secured thereto, is a pair of notched retaining blocks 11 and 12. A central plate 13 is removably supported beneath the conduit 3 by means of the blocks 11 and 12 and the grooved member 10. The plate 13 is adapted to have applied thereto, either by painting or in any suitable manner, a colored means 14 as hereinafter more fully described. A pair of plates 15 which may be of any suitable material are removably mounted between the hood 6 and the bottom member 9 on opposite sides of the plate 13, and are supported by the grooves formed by angle members 16 and 17 with said hood and bottom members respectively. The plate members 15 have selected designs therein which may be of any suitable shape and are formed by a series of perforated parallel slots 18 punched through the plates 15. These slots 18 are all parallel to each other and are preferably equally spaced with a distance apart equal to the width of the slots. The spacings between the punched slots may be painted to effect a colored design in the daytime corresponding to the design made by the slots. As shown in Figure 5, the slots are of various lengths to effect the desired design. Practically any design may be obtained in this way. The colored means 14 may be a rough representation of the design in the plate 15 having several component parts of different colors, with said parts cor-

responding with the various parts of the design, as shown in Figures 1 and 5, so as to produce a multi-colored illuminated picture.

The conduit 3 has threaded thereon a nut 19 which may be removed to permit the end member 8 to be removed to permit removal of the plates 13 and 15. The bulbs 4 and reflectors 5 therefor are arranged so as to reflect the light from said bulbs onto the plate 13 and thence outwardly through the slots 18 to effect the illuminated colored picture desired.

By providing the plate 15 with the slots therein arranged as described to conform with any desired configuration or design and by providing the plate 13 with the colored means 14 thereon with the illuminating means therefor, a very realistic colored picture or design may be effected. It will, of course, be understood that while a picture is illustrated on plate 15, said design may be a letter, a word, a symbol or a group of letters and words to meet particular requirements.

As illustrated in Figure 2 the bottom plate 9 is provided with a plurality of apertures to permit rain, dust and snow to readily pass therethrough to keep the interior of the sign housing clean. If desired the color plate may be provided with hooks adapted to be removably engaged over the pipe or conduit 3 thereby affording an arrangement whereby the color or reflector plate 13 may be unhooked from the conduit and removed through a slot or opening in the bottom of the sign housing to permit the reflector plate to be cleaned. Any suitable type of sign housing may be provided which will removably hold the slotted sign plates and the color reflector plate.

I am aware that numerous details of con-

struction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted hereon, otherwise than necessitated by the prior art.

I claim as my invention:

1. A device of the class described, comprising a member having perforations therein of a selected configuration, means having a vari-colored design thereon conforming substantially with the design of the member perforations and spaced from said member, and means for illuminating said colored means, thus causing its colors to be displayed between said perforations.

2. A device of the class described, comprising a member having perforations therein of a selected configuration, means having a vari-colored design thereon conforming substantially with the design of the member perforations and spaced from said member, and means out of alinement with said member and colored means but between the two for illuminating said colored means, thus causing its colors to be displayed through said perforations.

3. A device of the class described, comprising a member having a design therein formed by a plurality of parallel slots, said slots being equally spaced, means having a vari-colored design thereon conforming substantially with the design of the member slots, and means out of alinement with said member and colored means but between the two for illuminating said colored means and causing its colors to be displayed through said slots.

In testimony whereof I have hereunto subscribed my name.

HAROLD STANGEBYE.