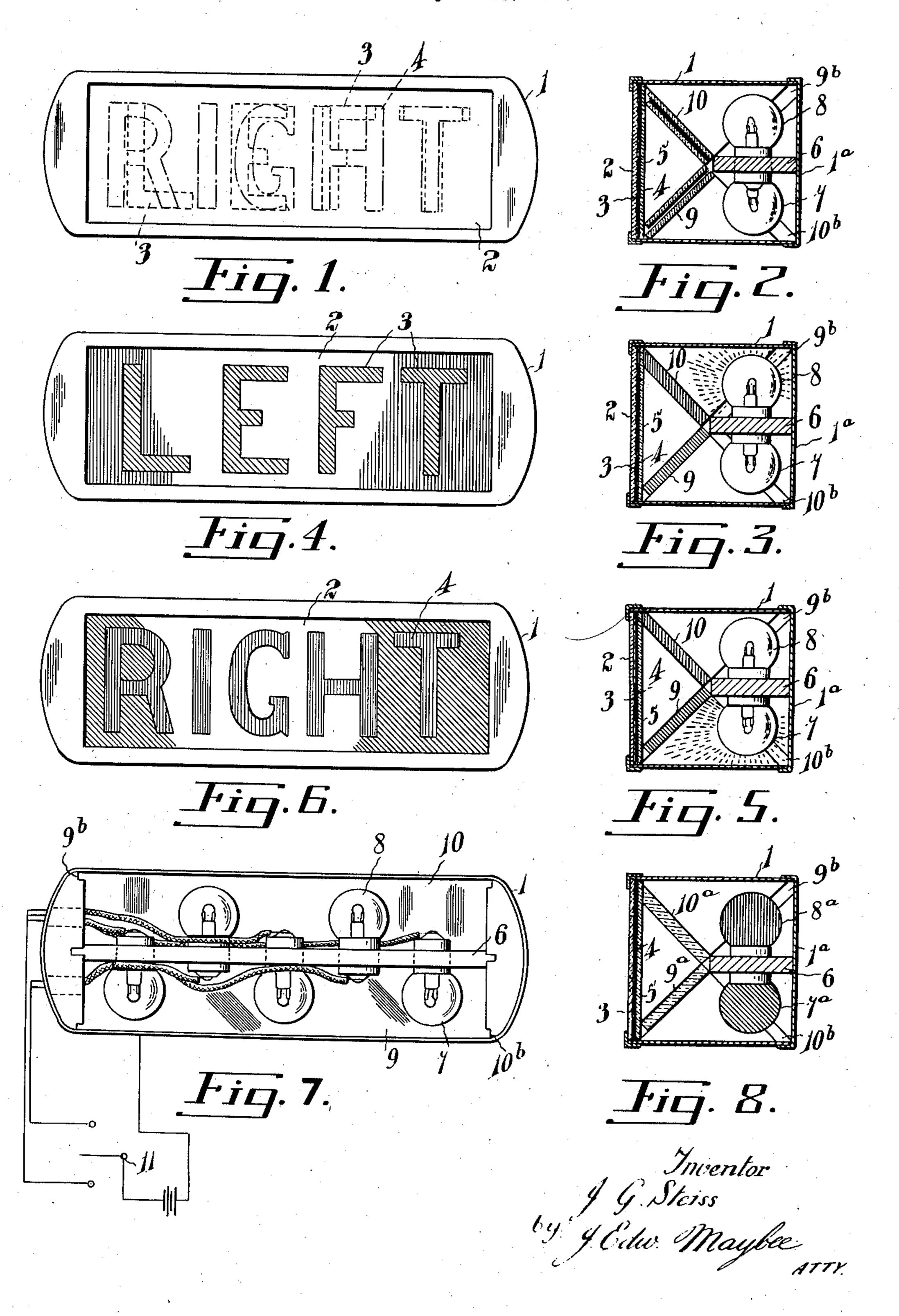
## J. G. STEISS

DISPLAY APPARATUS

Filed April 18, 1929



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## UNITED STATES PATENT OFFICE

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Application filed April 18, 1929. Serial No. 356,092.

5 is to provide a device of this character in window. Any suitable means, such as a sheet 55 on a common ground.

10 I attain my object by providing two trans- oured red, cerise, or amber. While the gen- 60 lucent indicia of contrasting colours which eral terms green and red are used throughlucent window. Behind the indicia are lo-derstood that any contrasting or comple-15 of light having colours substantially corresponding to the indicia whereby the coloured 20 background for the contrasting coloured in- a compartment in which the indicia is car- 70 displaying the indicia of contrasting colour to the light employed. As the light rays of 25 either colour do not pass the contrasting colagainst the lighter coloured background.

fully described and illustrated in the accom-

30 panying drawings in which

showing two separate display matters superimposed on the back of the window of the device;

Fig. 2 a cross section thereof with both illuminated by green coloured rays of light 87 sources of light extinguished;

of light behind the red coloured screen to be lighted;

40 Fig. 4 a front elevation of Fig. 3 showing In other words, the green coloured light rays the matter displayed;

Fig. 5 a cross section showing the source of light behind the green coloured screen to be lighted;

Fig. 6 a front elevation of Fig. 5; Fig. 7 a rear view of the device; and

Fig. 8 a cross section of a modified form of my device.

1 is a casing provided with a translucent 50 window 2 which is preferably formed of

This invention relates to display appara-semi-transparent crinkly white glass to protus and more particularly to the type in duce a light dispersive effect and to reduce which a plurality of displays are independ- the visibility by daylight of contrastingly ently shown on one apparatus, and my object coloured indicia 3 and 4 located behind the which the different display matters are shown of clear glass 5, may be used to hold the inby contrasting coloured effects and in which dicia in position against the inner side of the display matters may be superimposed the window. The indicia 3 may be coloured green or blue and the indicia 4 may be colmay be superimposed on the back of a trans- out the specification, it will be distinctly uncated two independently controllable sources mental colours will come within the meaning of these terms.

The casing is divided by means of an rays from either source of light will pass opaque separator 6 into two compartments in through the correspondingly coloured in- which sources of light 7 and 8 are suitably dicia and the window to provide a coloured mounted. Between these compartments and dicia. This results in the background being ried at the rear of the window 2, are screens 9 illuminated with light of either colour for and 10 of colours substantially corresponding to the colours of the indicia 3 and 4 re-

spectively. By lighting the bulb or bulbs 8, see Figs. 75 oured indicia, the latter are shown dark 3 and 4 the screen 10 transmits red coloured rays of light to illuminate the window 2 and The constructions are hereinafter more these rays pass through the red coloured indicia 4 to illuminate the portion of the window against which the indicia 4 lies. As the 80 Fig. 1 is a front elevation of my device red rays will not pass through the green indicia 3, the latter is displayed on the red background. When the bulb or bulbs 7 are lighted, see Figs. 5 and 6, the window 2 is through the screen 9 and these pass through Fig. 3 a cross section showing the source the green coloured indicia 3 to provide a green coloured background for the red coloured indicia 4 which is thus displayed. pass the green coloured indicia to cut out the latter and thus provide a green background for the red coloured indicia, and similarly the red coloured light rays pass the red coloured indicia to cut out the latter and thus provide a red background for the green coloured indicia.

> In Fig. 8 lenses 9<sup>a</sup> and 10<sup>a</sup> are substantially. for the screens 9 and 10 and the bulbs 7a, 8a are coloured green and red respectively. Any 100

ordinary two contact switch 11 may be employed to control the lighting of the bulbs 7 or 7° independently of the bulbs 8 or 8° when the device is used as a direction indicator as

illustrated in the drawings.

It will readily be seen that, by substituting sets of advertising matter of contrasting colours for the sets of direction matter shown and by substituting any well known electric flasher for the switch shown, the device will alternately display the sets of advertising matter. The manner in which the results are obtained will create an interest by the public in the display apparatus itself which will increase its value as an advertising medium. Further, interest and a reduction in the amount of material required to build each device are obtained by superimposing the indicia 3 and 4 on one another.

The parts of the device may be positioned by sliding the ends of the screens 9 and 10 in grooves 9<sup>b</sup> and 10<sup>b</sup> formed in the ends of the casing so that the screens engage the glass 5. The screens are held in position by the separator 6 which in turn is engaged by the re-

movable cover 1ª of the casing.

Coloured glass may be used for the screens or they may be made by inserting coloured transparent sheets of gelatinous material between two sheets of clear glass. In the latter case the sheets of each screen may be of slightly different shades so that they will blend to obtain the best results.

What I claim is:

Display apparatus comprising a casing; two superimposed translucent indicia of contrasting color supported at the front of the casing; a longitudinal partition extending from the back of the casing partway towards the front; two translucent screens of similar color to the aforesaid indicia extending from end to end of the casing, one extending from the front edge of the aforesaid partition to one longitudinal edge of the front of the casing and the other from the front edge of the aforesaid partition to the other longitudinal edge of the front of the casing; and two independently controllable sources of light within the casing behind the screens and at 50 opposite sides of the partition. Signed at Kitchner this 2nd day of April,

JOHN GORDON STEISS.

K.S.

1929.

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