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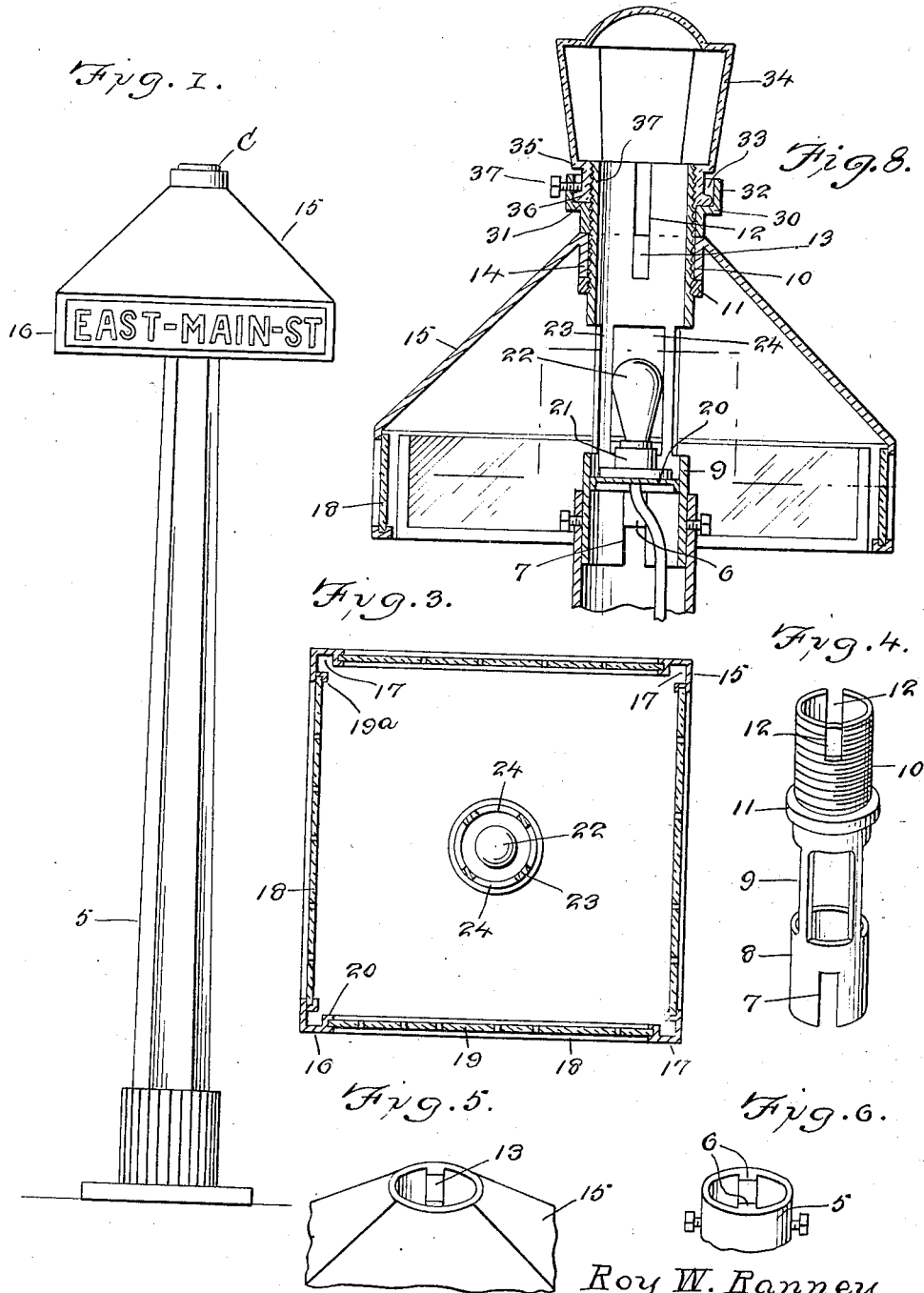
R. W. RANNEY

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COMBINED STREET LIGHT AND SIGN STRUCTURE

Filed June 6, 1938

2 Sheets-Sheet 1



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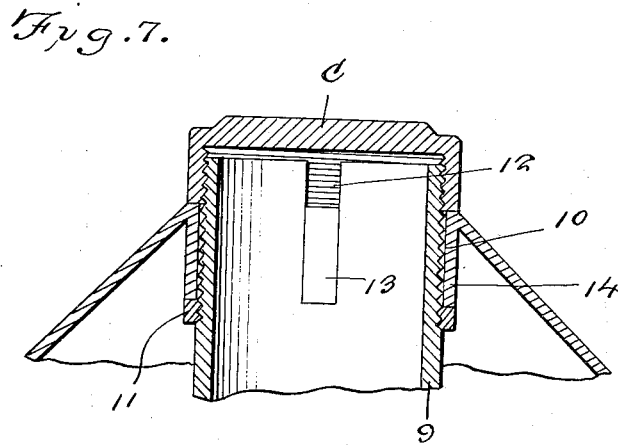
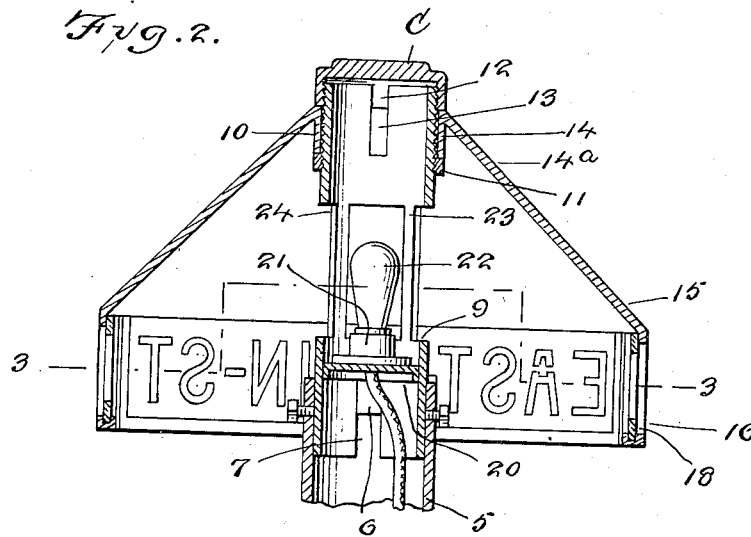
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UNITED STATES PATENT OFFICE

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COMBINED STREET LIGHT AND SIGN STRUCTURE

Roy W. Ranney, Mendota, Ill.

Application June 6, 1938, Serial No. 212,194

5 Claims. (Cl. 40—131)

My invention relates to combined street lights and sign structures and more particularly to that type wherein a light source is utilized for illuminating the sign panels.

One of the principal objects of my invention is to provide a combined light and sign structure wherein a light source is employed for illuminating the sign panels together with means for precluding said light source from casting shadows onto the sign panels, thereby effecting a ready reading of the indicia on the panels.

Another principal object of my invention is to provide a device of the above described character wherein the light source for illuminating the sign panels may also be employed for lighting adjacent areas through the medium of luminescent instrumentality.

Another object of my invention is to provide a device of the above described character which is simple in construction, efficient in operation, durable in use and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claims and annexed drawings.

Referring to the drawings wherein like reference characters designate like parts throughout the several views:

Figure 1 is a side elevation of my invention.

Figure 2 is a detail longitudinal sectional view of the upper portion thereof.

Figure 3 is a sectional view taken on the line 3—3 of Figure 2.

Figure 4 is a perspective view of the shade support tube.

Figure 5 is a fragmentary perspective view of the upper section of the shade.

Figure 6 is a fragmentary perspective view of the upper portion of the standard.

Figure 7 is an enlarged detail sectional view of the means for securing the shade fixed to the shade support tube.

Figure 8 is a detail longitudinal sectional view of the upper portion of the invention illustrating a modified form thereof.

In practicing my invention, in the preferred embodiment shown in Figures 1 to 7 inclusive, I employ a hollow standard 5 adapted to support a combined light source and sign structure above a street level or the like as clearly illustrated in Figure 1. The upper portion of the standard 5 is fashioned with a pair of inwardly extending opposed lugs 6 adapted to seat within slots 7 formed in the lower section 8 of a shade support tube 9. Said shade support tube 9 is fashioned with an exteriorly threaded upper portion 10 having

threaded thereon a circumferentially extending collar 11 adjacent the lower end of said section and with a pair of vertically extending slots 12 at the upper end thereof adapted to receive and seat therein a pair of inwardly extending opposed lugs 13 fashioned within a sleeve 14 formed within the upper end of an upper frustum-shaped section 14a of a shade 15.

The sleeve 14 embraces an intermediate section of the portion 10 of the tube 9 and the lower end of the sleeve seats on the collar 11 and is clamped in engagement therewith by a cap C threaded onto the upper end of the tube 9 as clearly illustrated in Figure 7. Obviously, removal of said cap C permits of the shade 15 being removed for any desirable purpose. Said shade 15 is provided with a substantially square shaped bottom section 16 having right angularly disposed corner sections 17 between which are formed windows 18 covered by panels 19, preferably constructed of metal and having the names of streets or the like cut therein whereby to permit light rays to shine therethrough as hereinafter set forth. Said panels are secured to said corner sections by channeled members 19a secured to the bottom and side edges of the windows 18.

Within the lower portion 8 of the tube there is secured a bridge or cap member 20 on which is mounted an electric socket 21 having connected thereto an upwardly extending electric light bulb 22 constituting a light source. Said bulb 22 is disposed between the upper and lower portions 10 and 8 of the tube as clearly illustrated in Figure 2 of the drawings. The upper and lower portions of the tube 10 and 8 are connected together by means of integrally formed spaced connecting sections or members 23 arranged in radial alignment with the corner sections 17. Said members 23 define light openings 24 therebetween whereby light from the bulb 22 is adapted to illuminate the panels 19 without casting shadows from the members 23 on the panels.

The shadows cast by the members 23, due to the radial alignment of the members 23 with the corner sections 17, are formed on said corner sections and thereby permit uninterrupted light rays to illuminate the panels. The lugs 13 serve to maintain the tube and shade in adjusted position to prevent the members 23 from intersecting the light rays flooding the panels 19 and the lugs 6 serve to maintain the tube and shade in adjusted position relative to the standard 5.

In the modified form illustrated in Figure 8 of the drawings there is secured, about the upper portion 10 of the tube 9 adjacent the top edge of

the shade 15, a collar 30 having a shoulder 31 formed with an upwardly extending circumferential flange 32 and which coacts with the upper section of the portion 19 to form a circumferentially extending slot 33 in which is seated a luminescent member or glass globe 34. Said globe is formed with a lower end 35 seated in the slot 33 and fashioned with a circumferentially extending flange 36 for engagement with the inner end of a set screw 37 carried by the flange 32 whereby the globe 34 is maintained in attached condition to the tube 9. The collar 30 is provided with screw threads for threaded engagement with the tube 9 whereby to maintain the globe and shade fixed to the tube. From the foregoing it will be apparent that my device permits the sign panels 19 to be clearly illuminated and that the tube permits the globe 34 to be illuminated from the same light source which illuminates the panels and thereby supplies illumination for adjacent areas. Furthermore, the shade section 14a, which is interposed between the globe 34 and panel 19, serves as an accentuating medium for the panel 19 whereby the indicia thereon is sharply defined.

It is to be understood that while the shade 15 as heretofore described and set forth is constructed of a suitable opaque material, the same may be constructed of translucent or transparent material without departing from the spirit of the invention or scope of the appended claims.

What I claim is:

1. A device of the character described, comprising, a standard, a tubular shade support member attached to said standard and extending upwardly therefrom, a shade mounted on said member and formed with a bottom section provided with windows, panels covering said windows and provided with indicia, said member provided with light openings intermediate of the length thereof and arranged in alignment with said windows whereby light from a light source within said member will illuminate said panels to accentuate said indicia without shadowing said indicia with said member.

2. A device of the character described, comprising, a standard, a tubular shade support member attached to said standard and extending upwardly therefrom, a shade mounted on the upper portion of said member and formed with a

frustrum shaped top section and a substantially square shaped bottom section fashioned with corners and windows between said corners, panels covering said windows and provided with indicia, said member provided with light openings arranged in radial alignment with said windows whereby light from a light source within said member will illuminate said panel and sharply define said indicia and shadow said corners with said member.

3. A device of the character described, comprising, a standard, a shade support tube attached to said standard and fashioned with upper and lower portions, a shade mounted on said upper portion and formed with a bottom section provided with windows, panels covering said windows and formed with indicia, and spaced members connecting said upper and lower portions together to define light openings arranged in a manner whereby light from a light source within said tube will illuminate said panels to accentuate said indicia without shadowing said indicia with said members.

4. A device of the character described, comprising, a standard, a shade support tube attached to said standard and fashioned with upper and lower portions, a shade mounted on said upper portion and formed with a frustrum shaped top section and a substantially square shaped bottom section fashioned with corners and windows between said corners, panels covering said windows and formed with indicia, and spaced members connecting said upper and lower portions together to define light openings and arranged in radial alignment with said corners whereby light from a light source within said tube will illuminate said panel and sharply define said indicia and shadow said corners with said members.

5. A device of the character described, comprising, a shade provided with indicia carrying windows, and a hollow shade support member extending through said shade and connected to the latter, said member provided with light openings arranged in alignment with said windows whereby light from a light source within said member will illuminate said windows to accentuate the indicia thereon without shadowing said indicia with said member.

ROY W. RANNEY.