C. C. WORTLEY.

SIGN.

APPLICATION FILED MAY 12, 1913.

1,128,741.

Patented Feb. 16, 1915.

2 SHEETS—SHEET 1.

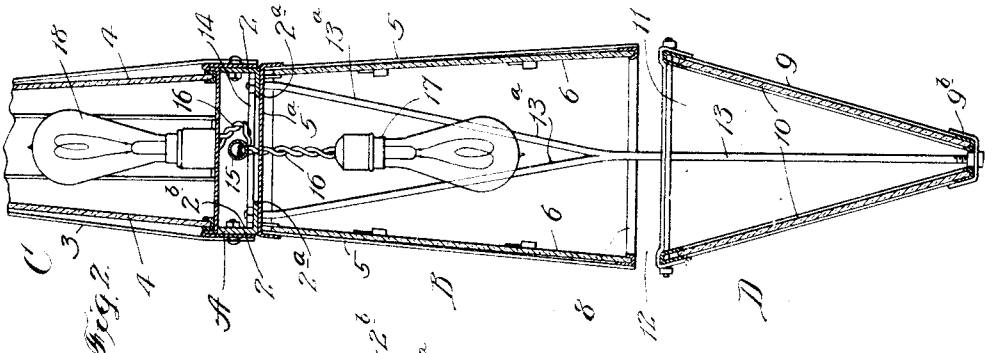


Fig. 2.

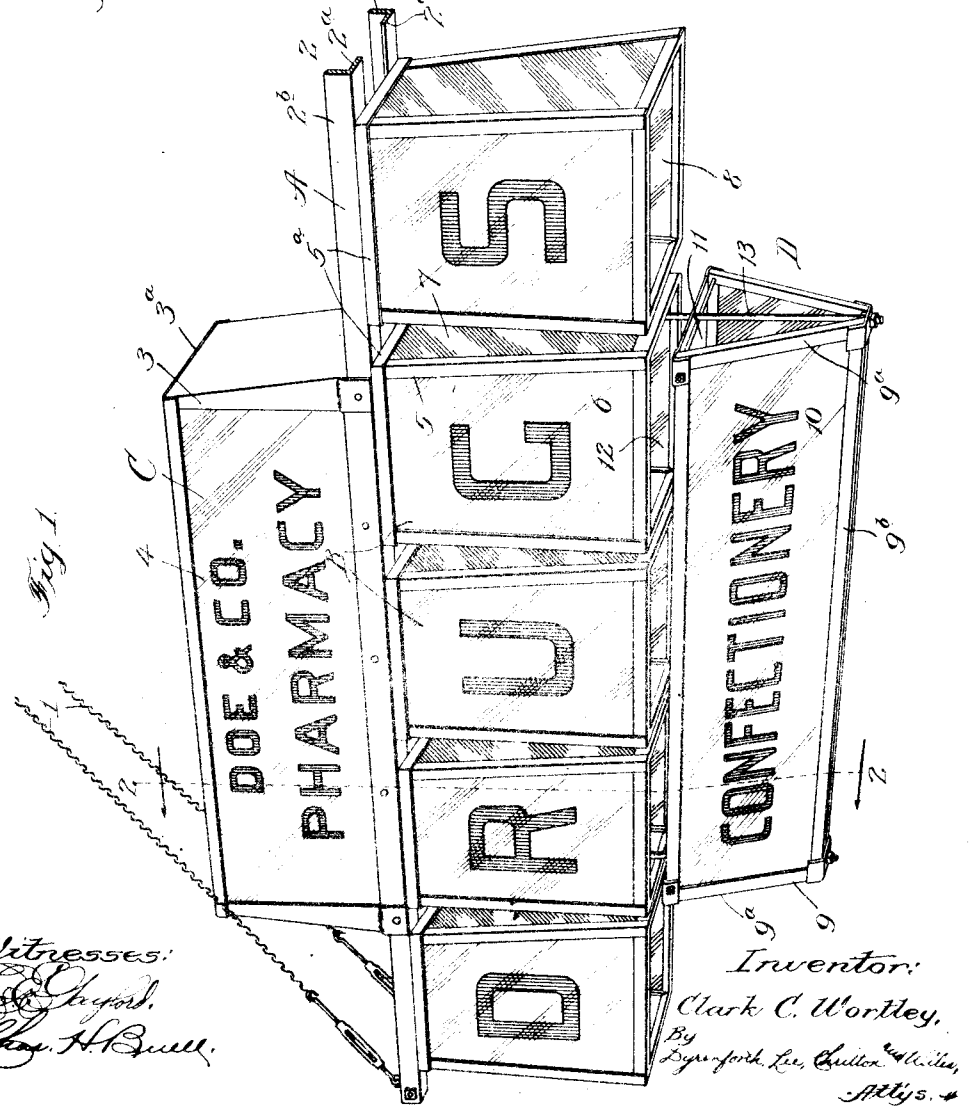


Fig. 1.

Witnesses:
[illegible]
Chas. H. Buell.

Inventor:
Clark C. Wortley,
By Byerly, Lee, Chilton & Miller,
Attys.

C. C. WORTLEY.

SIGN.

APPLICATION FILED MAY 12, 1913.

1,128,741.

Patented Feb. 16, 1915.

2 SHEETS—SHEET 2.

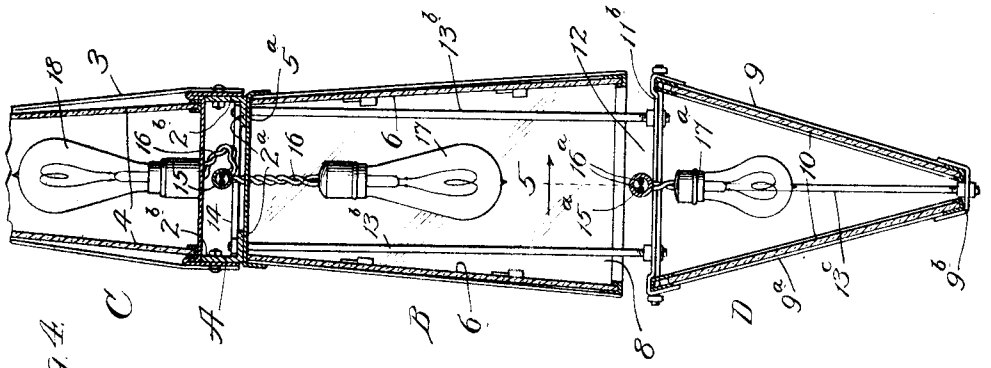


Fig. 4.

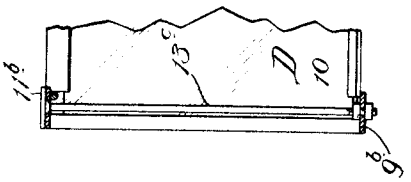


Fig. 5.

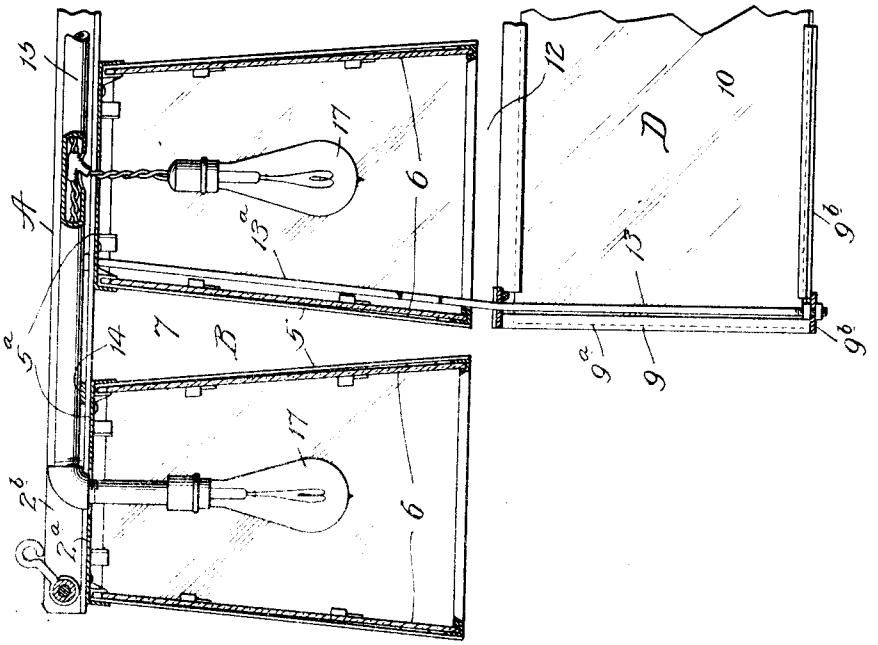


Fig. 3.

Witnesses:
E. E. Gaylord.
Chas. H. Bull.

Inventor:
Clark C. Wortley,
By Dyerforth, Lee, Christy and Wilkes,
Attys.

UNITED STATES PATENT OFFICE.

CLARK C. WORTLEY, OF CHICAGO, ILLINOIS.

SIGN.

1,128,741. Specification of Letters Patent. Patented Feb. 16, 1915.

Application filed May 12, 1913. Serial No. 767,212.

To all whom it may concern:

Be it known that I, CLARK C. WORTLEY, a citizen of the United States, residing at 175 Dearborn street, Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Signs, of which the following is a specification.

This invention relates particularly to signs adapted for street purposes and provided with illuminating means; and the primary object of the invention is to provide an improved arrangement of construction, possessing certain advantages of use and presenting a pleasing appearance.

The invention is illustrated in the preferred embodiment in the accompanying drawings, in which—

Figure 1 represents a broken perspective view of a sign constructed in accordance with my invention; Fig. 2, a broken vertical section taken as indicated at line 2 of Fig. 1; Fig. 3, a broken longitudinal section; Fig. 4, a sectional view similar to Fig. 2 showing a modification of the construction; and Fig. 5, a broken vertical section taken as indicated at line 5 of Fig. 4.

Referring to Figs. 1 to 3 inclusive, the construction comprises a horizontally disposed frame A, which may be connected with a building in any suitable manner and also supported by chains 1; a series of illuminable sign-sections, or panel-equipped devices B depending from the frame A; an illuminable sign-section, or panel-equipped illuminable device C surmounting the frame A; and an illuminable sign-section, or panel-equipped illuminable device D suspended beneath the devices B.

The frame A may be of any suitable construction. It preferably comprises horizontally disposed angle-bars 2 constituting the foundation framework for the whole structure. The angle-bars 2 have inturned flanges 2^a and upturned flanges 2^b.

The device C comprises a frame 3 connected with the vertical flanges 2^b and including a top member 3^a. The device C is equipped with transparent panels 4 which may be made removable in any desired manner.

Illuminable devices B are designed to afford individual panels for letters. Each device B comprises a frame 5 equipped with transparent panels 6 which are made removable in any preferred manner. The devices B are horizontally alined and are separated by spaces 7. Said devices B are open at their bottoms, as indicated at 8. The devices B also have their panels slightly convergent upwardly.

The device D comprises an open frame 9 having downwardly convergent sides fitted with transparent panels 10 which may be made removable in any desired manner. The frame 9 includes substantially triangular end-frames 9^a and connecting member 9^b. The frames 5 of the devices B have top members 5^a which are securely joined to horizontal flanges of the angle-bars 2. The horizontally elongated device D preferably has its upper side open as indicated at 11 and disposed just below the intermediate ones of the devices B, being separated therefrom by a space 12. The device D is supported by rods 13, whose lower ends are connected with the frame-member at the bottom of the device D, while their upper ends divide into branches 13^a which are connected with the horizontal flanges of the angle-bars 2.

The horizontal flanges 2^a of the angle-bars 2 are connected at intervals by cross-bars 14 which serve to support a horizontally disposed conduit 15 which carries electric conductors 16. The conductors 16 serve to supply current to the lamps 17 located in the device B and the lamp or lamps 18 located in the device C.

It will be noted that by reason of the upward divergence of the panels 10 of the device D and the disposition of the device D with relation to the devices B, light will be supplied from the lamps 17 for the device D; also the devices B serve to shield the device D from rain to a considerable extent; also, the arrangement is such that in the daytime light will be admitted freely to the interior of the devices B and D. It will also be noted that the device D being open at its top the light from the lamps 17 in the devices B will illuminate the diverging panels of the device D, thus effecting a maximum illuminated sign surface with the minimum of illuminating cost. A further advantage resulting from the device D being constructed with an open top and open ends and suspended in spaced relation to the devices B is that the skeleton-like frame thus produced offers diminished surface to wind pressure thus rendering the structure less liable to damage therefrom.

The panels of the several illuminable de-

vices may be lettered or provided with suitable designs, as, for illustration, in the manner shown in Fig. 1.

The construction shown in Figs. 4, and 5 is similar to the construction already described, and the corresponding parts are similarly designated. The construction is modified to the extent of providing a conduit 15^a above the central portion of the device D and serving to contain conductors 16^a which supply a lamp or lamps 17^a disposed in the device D. In this construction, the frame of the device D is suspended by vertically disposed bolts 13^b, while the cross-members 11^b at the top of the frame of the device D are of such substantial construction as to afford an adequate support for the conduit 15^a and the body of the device D. The frame of the device D is further reinforced in this construction by employing vertical rods 13^c which connect the upper and lower frame-members of said device, as will be better understood from Fig. 5.

The construction described is cheap, durable, presents a pleasing appearance, and is economical in maintenance.

The foregoing detailed description has been given for clearness of understanding only, and no unnecessary limitations should be understood therefrom, but the appended claims should be construed as broadly as permissible, in view of the prior art.

What I claim as new and desire to secure by Letters Patent is—

1. In a sign, the combination of a substantially horizontal frame, a series of alined chambers depending therefrom and having transparent panels, illuminating means in said chambers, a horizontally elongated frame open at its top and ends suspended beneath said chambers in alinement therewith and in spaced relation thereto, and transparent side panels carried by said elongated frame forming an elongated chamber, whereby said lower panels are illuminated by the illuminating means in said upper chambers.

2. In a sign, the combination of a substantially horizontal frame, a series of alined chambers depending therefrom and having upwardly converging transparent panels, and open lower ends, illuminating means in said chambers, and a horizontal elongated frame suspended beneath said chambers in alinement therewith and in spaced relation thereto and having upwardly diverging transparent panels, forming an elongated chamber open at its top, whereby said lower panels are illuminated by the illuminating means in said upper chambers.

3. In a sign, the combination of a horizontal frame, a series of alined chambers suspended therefrom open at their bottoms and equipped with transparent panels, illuminating means in said chambers, an elongated device beneath said chambers in alinement therewith and in spaced relation thereto, comprising an elongated frame and transparent upwardly divergent panels forming a chamber open at its top, and rods connecting said upper and lower frames, whereby the panels of said lower device are illuminated by the illuminating means in said upper chambers.

CLARK C. WORTLEY.

Witnesses:
L. HEISLAR,
E. D. TEULE.