

No. 885,831.

PATENTED APR. 28, 1908.

W. BOOTH.
ILLUMINATED SIGN.
APPLICATION FILED JULY 25, 1907.

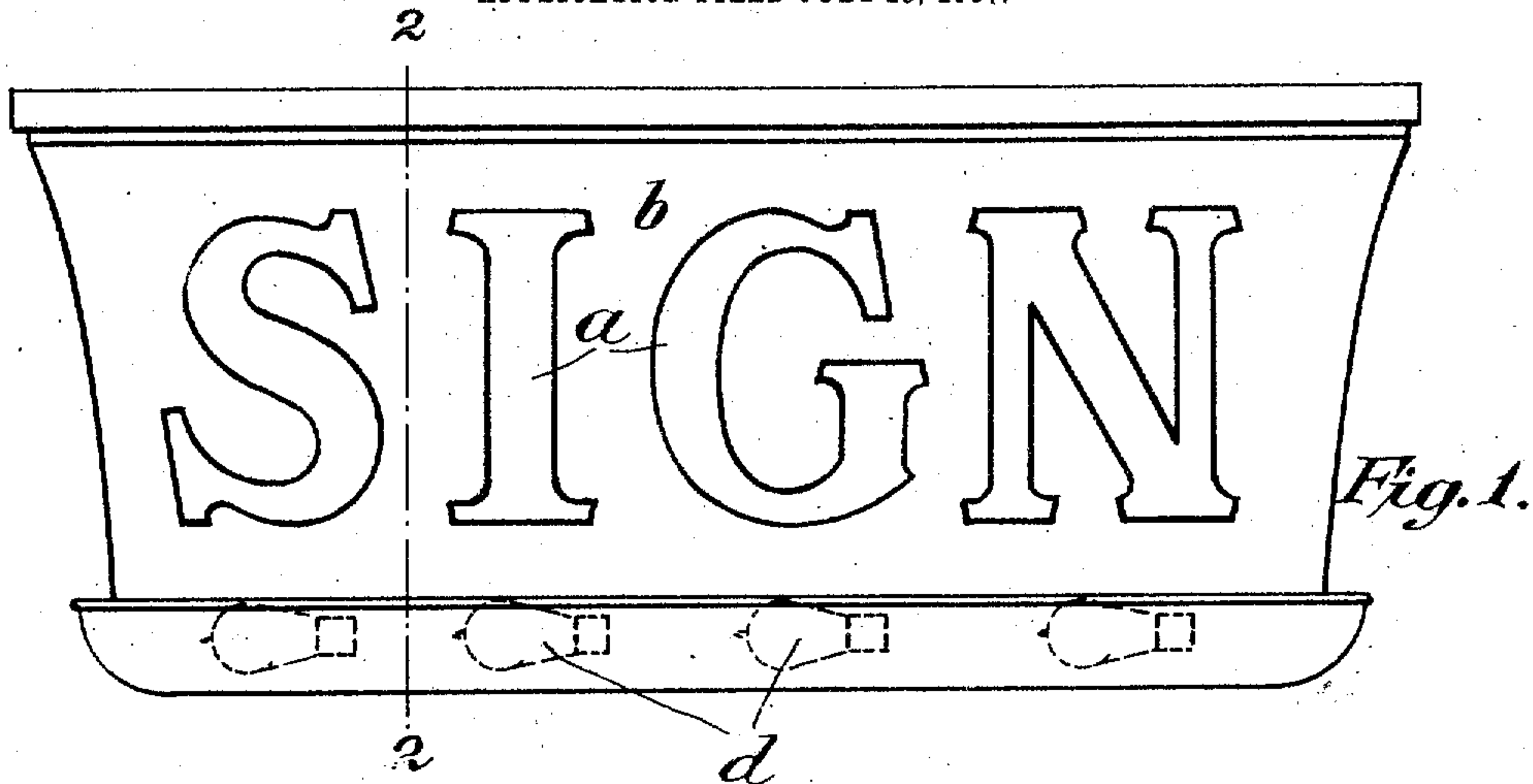


Fig. 2.

Fig. 4.

Fig. 3.

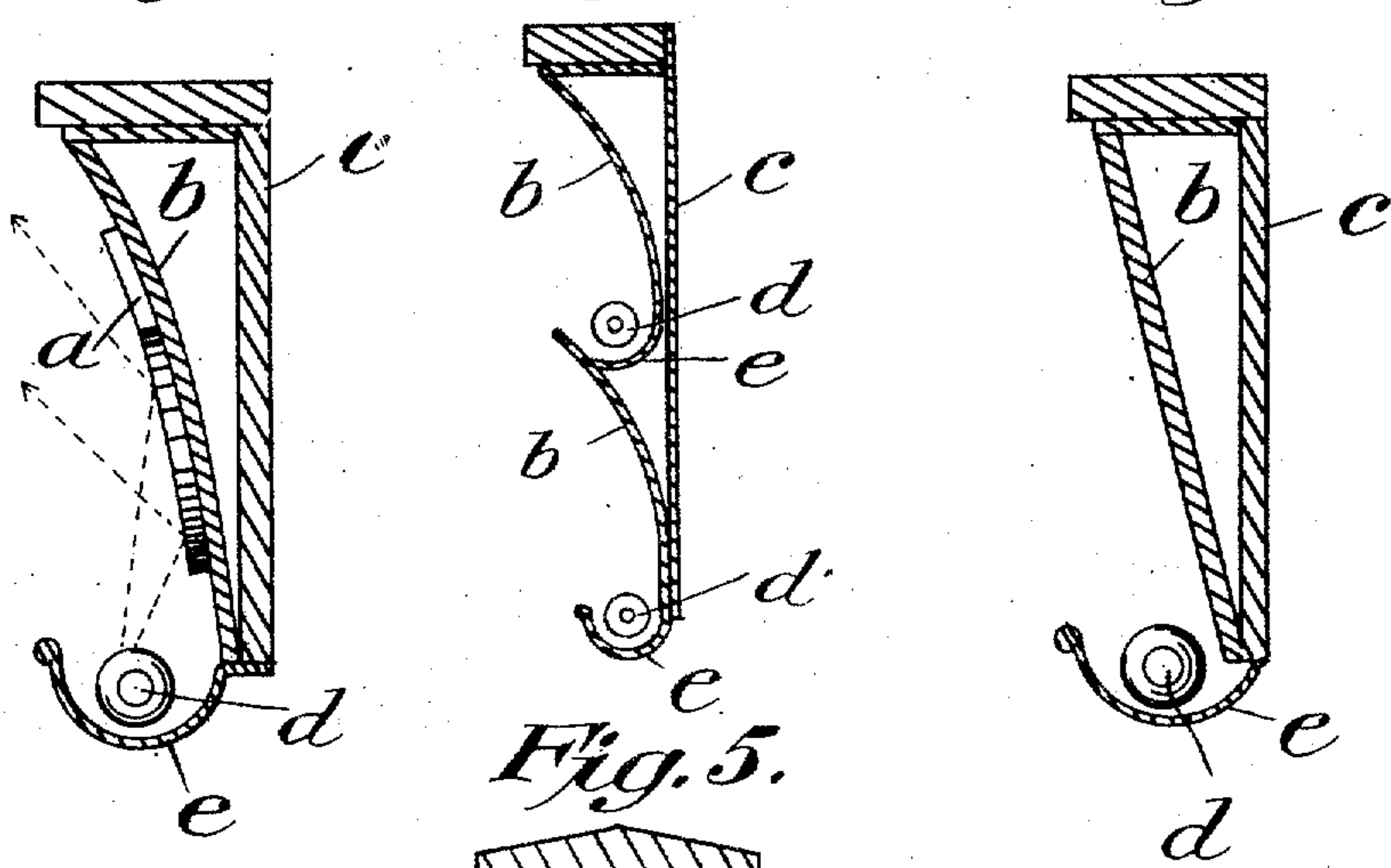
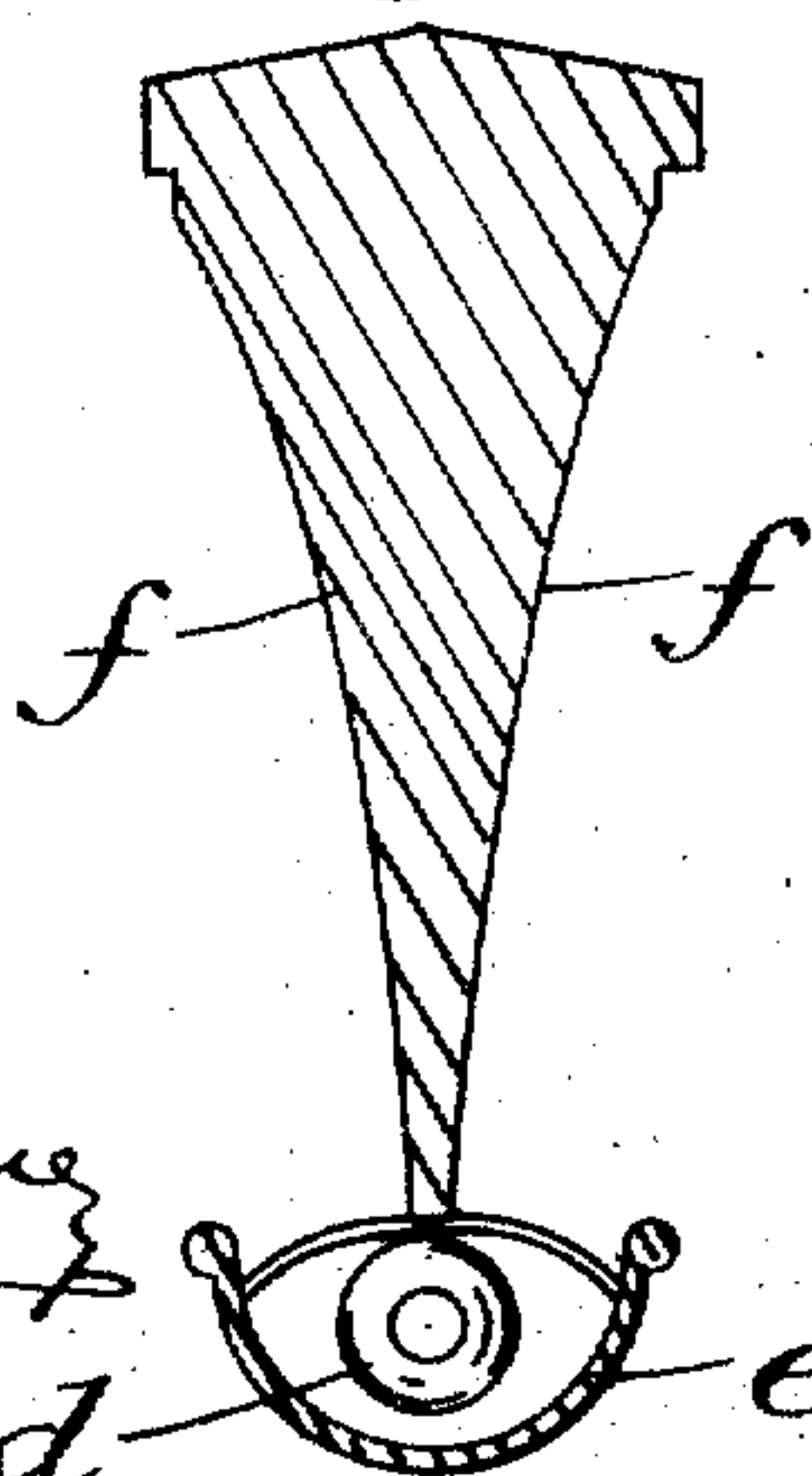


Fig. 5.



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WILLIAM BOOTH, OF EDGEWATER, NEW JERSEY.

ILLUMINATED SIGN.

No. 885,831.

Specification of Letters Patent.

Patented April 22, 1908.

Application filed July 25, 1907. Serial No. 385,417

To all whom it may concern:

Be it known that I, WILLIAM BOOTH, a citizen of the United States, and a resident of Edgewater, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Illuminated Signs, of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof.

The object of the invention is to illuminate a sign, particularly such as painted signs mounted upon the tops of buildings and other high places, and to illuminate such signs so that there shall be no glare upon the eye of the observer either directly from the source of illumination or by reflection on the sign itself. Heretofore such signs have been illuminated from the top and while the source of illumination may have been effectively screened from the observer, still the reflection, particularly from a smooth painted sign, has caused the rays to be directed downward from the sign directly into the eyes of the observer so as to cause a glare and thus to spoil the best sign effects. By locating the light at the bottom of the sign, it is obvious that the direction of the rays upon reflection from the sign itself will be outward and upward, but not downward, so that the glare from reflection will be effectively checked. Moreover, by inclining the sign slightly from the vertical it has been found that the best light effects are produced without any glare.

The invention will be more fully described hereinafter in connection with the accompanying drawing in which,

Figure 1 is a view in elevation of a sign embodying the improvements. Fig. 2 is a transverse section of the same, the line of section being indicated by the broken line 2—2 in Fig. 1. Fig. 3 is a view similar to Fig. 2 except that the means for holding the sign letters or characters are straight instead of curved. Fig. 4 is a similar view showing a modification, and, Fig. 5 is a similar view showing a double sign constructed in accordance with the improvements.

The letters or characters *a* forming the sign proper are painted, secured or otherwise formed upon an inclined member *b* of the

sign frame *c*, which member may be curved as shown in Fig. 2 or straight as shown in Fig. 3. The source of illumination may be ordinarily electric light incandescent bulbs *d* and this source of illumination is located below the letters or characters of the sign and preferably at the base of the inclined member *b*. In this way, it will be observed particularly from Fig. 2 that the direction of the reflected rays, as indicated by the dotted lines in Fig. 2, will be upward and outward but not downward and thus the best illuminating-effects will be produced without the objectionable glare.

It is preferable to employ a curved member *B* inasmuch as the light effect may be more evenly distributed, the curvature, for this purpose being made a little greater at the top of the sign than at the bottom. In order to protect the direct light from the source of illumination from reaching the eye of the observer, a screen *e* trough-shaped, is secured at the bottom of the frame *c* and in this trough-shaped screen the incandescent bulbs or other sources of illumination are suitably placed.

In Fig. 4 provision is made for two signs and the construction shown in this figure will be readily understood without further explanation.

In Fig. 5 the frame is made so as to be wedge-shaped in cross section and the sides *f* of the frame furnish suitable sign areas. To the lower end of this wedge-shaped frame is secured a trough-shaped screen *e* and within this screen the illuminating sources *d* are placed.

I claim as my invention:

1. In a sign, the combination of a relatively long and narrow strip adapted to secure or contain the sign characters and arranged at an inclination in the sign, a plurality of light sources arranged at intervals along the lower end of said strip and constituting the entire means of illumination for the sign, and a screen completely inclosing the sources of illumination at the bottom and the sides substantially as described.

2. In a sign, the combination of a relatively long and narrow wedge shaped strip

adapted to secure or contain characters on each side thereof at an inclination, a plurality of light sources arranged at intervals along the lower end of said strip and constituting the entire means of illumination for the sign, and a trough-shaped screen secured to the lower and narrower end of said strip and completely covering the means of illumination at

the bottom and the sides substantially as described.

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This specification signed and witnessed this 21st day of July 1907.

WILLIAM BOOTH.

Signed in the presence of—

LUCIUS E. VARNEY,
MARJORIE ROLLINS.