No. 860,071. PATENTED JULY 16, 1907.

A. A. ALBRIGHT.

SIGN.

APPLICATION FILED JAN. 15, 1907.

Fig. 2.

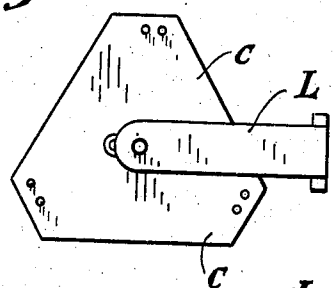


Fig. 8.

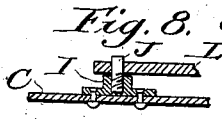


Fig. 7.

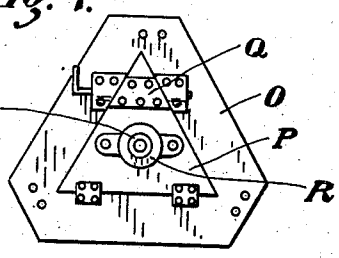


Fig. 1.

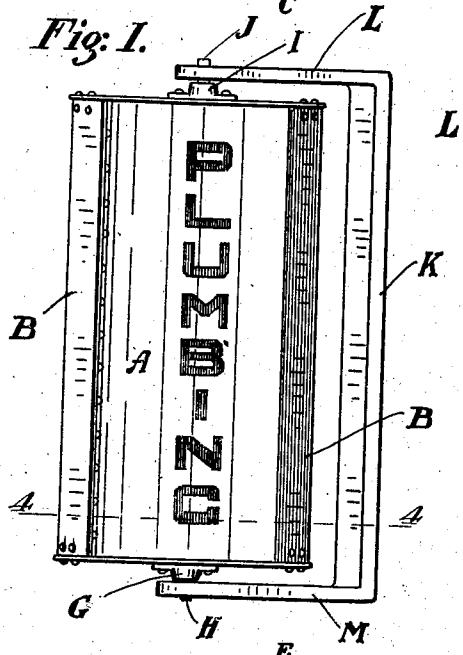


Fig. 3.

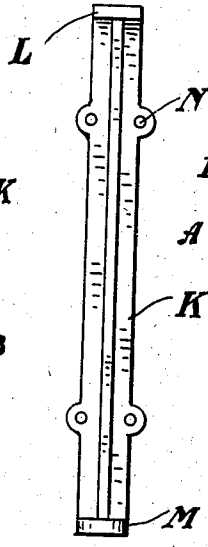


Fig. 5.

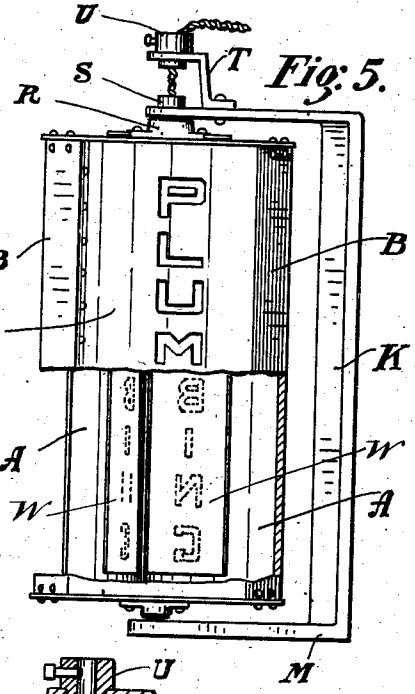


Fig. 4.

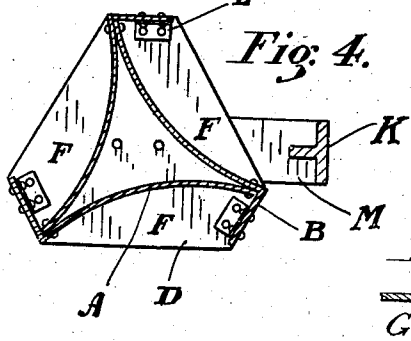


Fig. 6.

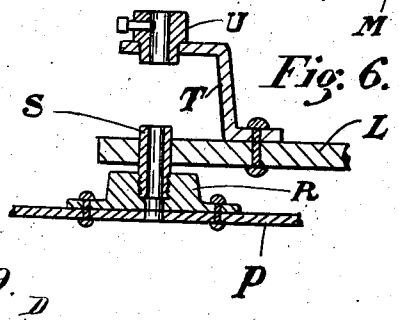
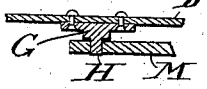


Fig. 9.



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SIGN.

No. 860,071. Specification of Letters Patent. Patented July 16, 1907.

Application filed January 15, 1907. Serial No. 352,403.

To all whom it may concern:

Be it known that I, ALBERT A. ALBRIGHT, a citizen of the United States, and a resident of the city of Muncie, in the county of Delaware and State of Indiana, have invented a new and useful Sign, of which the following is a specification.

My invention relates to improvements in signs, and has for its object to provide a device of this kind whereby a movement may be imparted to the characters composing the sign so that a peculiar and fascinating appearance thereof is obtained.

A further object is to provide such construction of the device that it will be of few parts, durable, easy of installation and economical of manufacture.

These and other objects which will become apparent as the specification of my invention is disclosed are accomplished by the novel construction, combination and arrangement of parts described in the annexed specification, clearly pointed out in the claims and illustrated in the accompanying drawings, in which—

Figure 1 is a side view, and Fig. 2 is a top view of my newly invented sign complete. Fig. 3 is a front view of the frame, the sign-body having been removed. Fig. 4 is a horizontal sectional view of the device taken on the line 4—4 Fig. 1. Fig. 5 is a side view of a modified form of my invention one of the sides of the sign-body being partially broken away. Fig. 6 is a detached enlarged vertical central sectional view of the upper portion of the device as the same appears in Fig. 5 the lower portion thereof being broken away. Fig. 7 is a top plan view of the sign-body of the modified form illustrated in Fig. 5. Fig. 8 and Fig. 9 are detached vertical central sectional views of the upper and lower central portions, respectively, of the device as shown in Fig. 1.

Similar letters of reference refer to corresponding parts throughout the several views.

The body of my improved sign is composed of the three plates A concavely bent, of sheet metal of suitable thickness, and each having at its edge, by bending, the continuously extending wings B disposed at a proper acute angle thereto, as plainly shown in Fig. 1 and Fig. 4. These plates are secured together with the plain edge of one plate disposed along the line of the bend of the wing of the other, preferably by riveting, except in the smaller sized signs wherein soldering is the more desirable.

C and D designate the end plates substantially triangular in form, metallic, and of proper thickness and secured to the body by riveting to the clips E, or by soldering. By this novel construction the pockets F of the peculiar shape as shown in Fig. 4 are formed on each of the three sides of the sign-body. The characters making up the sign desired to be displayed are delineated on the faces of the plates A as shown in Fig. 1, in color of a distinct contrast to the color applied to the sign-body.

Secured to the center of the end-plate D is the stud G having the pin H formed integral therewith.

I designates a bushing secured to the center of the end-plate C threaded to receive the pin J screwed therein; the purpose of making this pin detachable will be presently disclosed.

K designates a frame-bar having the integrally formed journal-bearing arms L and M wherein are pivotally sustained the pins H and J.

N designates holes provided in the flanges of the frame-bar K through which are passed bolts or screws for securing the device to the object upon which it is to be supported.

When a sign may be desired embodying the functions just described and also having luminous characters so that the sign may be useful at night, as well as by day, the modified form of my invention as illustrated in Fig. 5 is employed.

In this form of the embodiment of my invention the characters composing the sign are delineated by perforations, and on the reverse side of each plate a transparent or translucent lining W of suitable material that will be impervious to water and wind is secured. Celluloid has been found to be preferable for this purpose and is secured to the plates so as to adhere closely thereto whereby the continuity of the surfaces of the plates is preserved. In the top-plate O is provided the hinged door P having a substantial latch Q whereby it may be securely retained in closed position. Rigidly secured on the outer side of this door is the bushing R threaded so as to receive the perforated pin S and so positioned as to correctly register with the pin on the plate at the opposite end of the sign body.

T designates a standard secured to the top of the arm of the frame and having its free end disposed in a position perpendicularly above the pinion S. A suitable aperture is provided in the free end of the said standard in which is sustained a suitable smooth bored collar U. In assembling this modified form of my invention suitable incandescent electric lamps properly wired are inserted in the sign-body through the opened door P; the sign-body is then placed in position with the pin H in its bearing; the electric wires are then passed through the journal bearing and through the pin S and outward through the collar U; then the pin S is tightened into its normal position in the bushing. By tightening the set-screw in the collar U the lamps are supported at such position within the sign-body as may be desired.

In the installation of my improved sign for service, the pin J is removed by unscrewing it, and the sign-

body removed from its bearings in the frame. The frame is then secured in position against the object of its support by driving suitable screws or bolts through the openings N. The installation of my improved sign in the modified form as shown, is accomplished in substantially the same manner as just described.

By virtue of the novel and ingenious construction and conformation and adaptation of the sign-body, such air-current as may be moving thereabout will be gathered and utilized by the pockets F and the revolution of the sign-body will result, the rapidity and direction of the revolutions varying with the amount and direction of the current stirring. The vertical center line of the plates A, also the center line of the lettering, being eccentric to the boundary lines of the sign-body, a peculiar illusion is produced by the revolution of the sign-body, the characters borne on the three separate faces or plates being brought successively to the view of the observer. The illusive effect is produced whether the sign-body is revolving slowly or rapidly; at the same time the sign is never rendered indistinct or difficult to read.

In the observation of this novel device in operation, the same being symmetrical in all of its lines except the lines of the concave plates, the sign has a very peculiar and deceptive appearance; so mysterious is the appearance of the characters composing the sign that the attention of the passer-by is invariably arrested and his interest and curiosity aroused. A close observation of my invention while it is in operation, will not aid the observer in discerning how the novel effect is accomplished.

What I claim as my invention, and desire to secure by Letters Patent is—

1. In a sign, the combination with a support, of a prismatic body pivotally mounted thereon, the sides of the said body being concave and there being outwardly extending wings at the edges of said body each disposed at an acute angle to the sides, substantially as described.

2. In a sign, the combination with a support, of a prismatic body pivotally mounted thereon, the sides of the said body being concave and there being outwardly extending wings at the edges of said body each disposed at an acute angle to the sides, and terminal plates secured to the ends and at an angle to and extending beyond the sides of the body, substantially as described.

3. In a sign, the combination with a support of a triangular prismatic body mounted thereon, the sides of the said body being concave and there being outwardly extending wings at the edges of said body each disposed at an acute angle to the sides, and terminal plates secured to the ends and at an angle to and extending beyond the sides of the body, substantially as described.

4. In a sign, the combination with a support having oppositely disposed journal-supporting arms, of a sign-bearing device consisting of a body formed by the concavely-bent plates A each having a wing B bent at an acute angle thereto, the edge of each plate being secured along the line of the bend of the wing of the adjacent plate and the ends of the body having the plates C and D secured thereto to form the pockets F there being the pin G centrally secured at one end of the device and the bushing I and the detachable pin J centrally secured at the opposite end of the device, the pins being journaled in the arms of the frame substantially as described.

5. In a sign, the combination with a support having oppositely disposed supporting arms, of a sign-bearing device consisting of a body illuminated from within, said body being formed by the concavely-bent plates A having the characters of the sign delineated therein by perforations, and the layer of translucent lining upon the reverse sides of the said plates sealing the perforations; the said bent plates each having a wing bent at an acute angle thereto, the edge of each plate being secured along the line of the bend of the wing of the adjacent plate and the ends of the body having the plates C secured thereto to form the pockets F, there being the pin centrally disposed at the bottom end of the device, and the bushing R and the detachable pin S centrally disposed and secured at the opposite end of the device, and a hinged door in the upper end-plate, the said pins being journaled in the arms of the frame, substantially as described.

6. A sign-bearing device adapted to be revolubly disposed, consisting of a body formed by concavely-bent plates each having a wing bent at an acute angle thereto, the edge of each plate being secured along the line of the bend of the wing of the adjacent plate, and the ends of the body having plates secured thereto to form wind-pockets, substantially as described.

7. A sign-bearing device adapted to be revolubly disposed, consisting of a body illuminated from within, said body being formed of concavely-bent plates having the characters of the sign delineated therein by perforations, and translucent lining upon the reverse sides of the said plates, the said bent plates each having a wing bent at an acute angle thereto, the edge of each plate being secured along the line of the bend of the wing of the adjacent plate and the ends of the body having plates secured thereto to form wind-pockets, substantially as described.

In testimony whereof I have hereunto subscribed my name, in the presence of two subscribing witnesses.

ALBERT A. ALBRIGHT.

Witnesses:

ARTHUR F. RUNYAN,

JOHN W. JONES.