

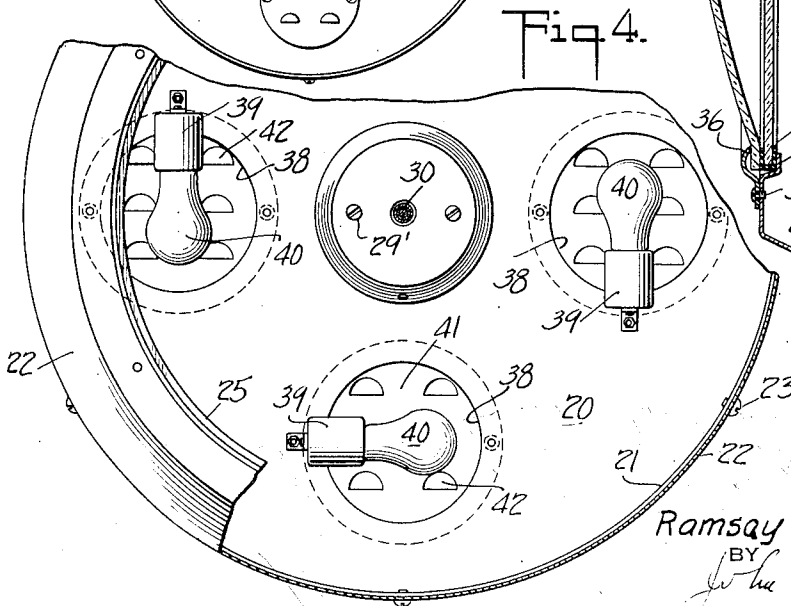
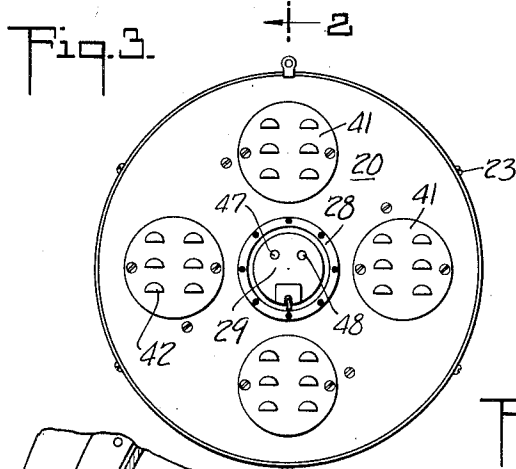
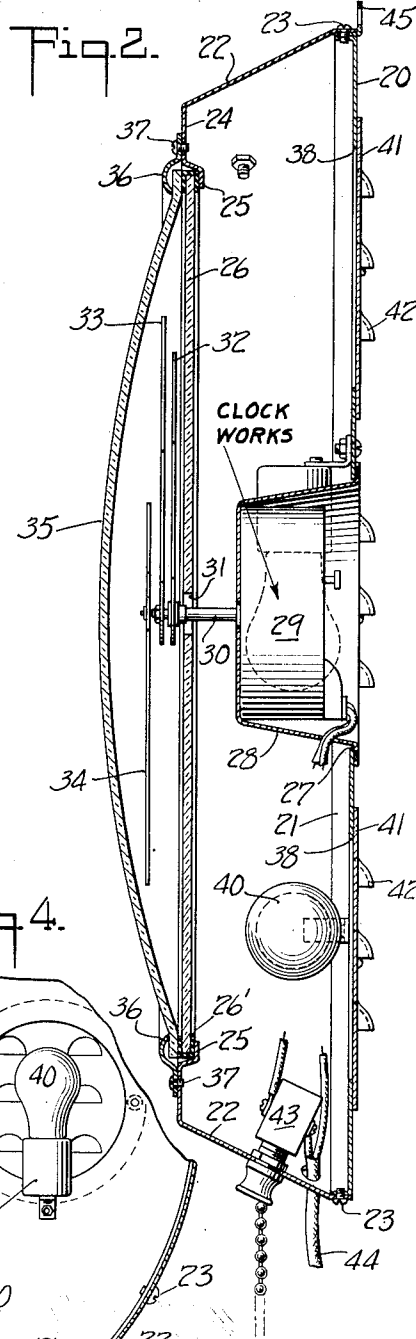
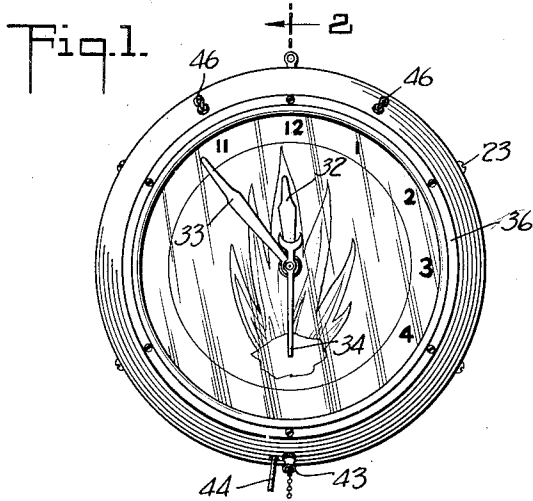
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ILLUMINATED CLOCK

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2,167,463

ILLUMINATED CLOCK

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3 Claims. (Cl. 240—2.1)

The present invention relates to illuminated clocks, and is more particularly directed toward an illuminated clock adapted for advertising.

The present invention contemplates a clock having a translucent dial plate adapted to carry advertising and operated by a clock preferably of the electric type, these parts being so arranged relative to enclosed light sources that the entire area of the dial plate is luminous.

According to the present invention the clock works are received in such a way as to be readily accessible for starting and setting the clock, and the lighting means is so arranged that the clock works do not interfere with the distribution of light to the rear of the plate.

Other and further objects will appear as the description proceeds.

The accompanying drawing shows, for purposes of illustrating the present invention, one of the many embodiments in which the invention may take form, it being understood that the drawing is illustrative of the invention rather than limiting the same.

In the drawing:

Figure 1 is a front elevational view of an illuminated clock;

Figure 2 is a vertical sectional view on the line 2—2 of Figure 1;

Figure 3 is a rear elevation view; and

Figure 4 is a front view on an enlarged scale with parts broken away to show interior construction.

In the form of construction shown in the drawing the clock is intended to be hung on the wall or supported by a suitable suspension. It has a circular back plate 20 with a forwardly-extending peripheral flange 21 which is received in an annular band 22 and secured to it by screws 23. The band 22 is inwardly flanged at the front, as indicated at 24, and provided with an offset portion 25 adapted to receive a translucent plate 26 preferably made of glass and carrying the indicia for the hours and minutes and such advertising indicia as desired. This plate is preferably made of glass and is provided with a protective ring 26' of soft material.

The back plate 20 is provided with a central aperture, indicated at 27, and a cup-shaped stamping 28 is spot welded to the back plate. This stamping extends toward the glass plate but does not reach the glass plate. It is adapted to house a clock works, indicated at 29, secured in place by screws 29'. The arbors of the clock mechanism indicated at 30 extend through an opening 31 at the center of the glass plate 26 and are connected

to the hour, minute and second hands 32, 33 and 34 in the usual way. These hands are housed between the flat plate 26 and the convex transparent plate 35. This plate is held in place by a ring 36 and screws 37.

The back plate 20 is also provided with four apertures 38 and adjacent each of these apertures is placed a lamp socket 39 adapted to support a lamp bulb indicated at 40. The apertures are covered by plates 41 having ventilation openings provided by louvers indicated at 42. The sockets are connected by suitable wiring, not shown, with a pull chain switch, indicated at 43, and current is supplied through a cord, indicated at 44, which extends into the bottom of the housing and is connected with the clock and the lamp circuit. The entire illuminated clock may be hung from a hanger, indicated at 45, or chains may be connected to two eyes, indicated at 46.

It will be noted that the present sign is one which may be made very shallow and yet accommodate the clock works in such a way that the light from the bulbs scatters throughout the entire housing and evenly illuminates the translucent plate 26. The clocks may be made up with or without advertising on the dial plate, and in order to obtain different displays it is only necessary to change the dial plate. All the metal parts and the cover glass may be made standard.

The thumb wheels for setting and starting are shown at 47 and 48, and are readily accessible.

It is obvious that the invention may be embodied in many forms and constructions within the scope of the claims and I wish it to be understood that the particular form shown is but one of the many forms. Various modifications and changes being possible, I do not otherwise limit myself in any way with respect thereto.

What is claimed is:

1. An illuminated clock comprising a housing having a centrally apertured back wall, side walls, and an apertured front wall, a translucent plate carried in the aperture in the front wall, a transparent cover about the translucent plate, a clock having hands disposed between the cover and the translucent plate, a rearwardly opening receptacle for the driving mechanism secured in the aperture in the back wall, and driving mechanism behind the plate, and lamps enclosed in the casing for illuminating the plate from the rear.

2. An illuminated clock such as claimed in claim 1, wherein the back wall of the housing is apertured adjacent the lamps and the apertures are closed by covers.

3. In an illuminated clock, a back wall forming

member having a central aperture, a cup-shaped member secured in the aperture and extending forwardly, a peripheral band carried by the back wall forming member and supporting a translucent plate in front of the cup-shaped member, a clock having driving mechanism housed in the

cup-shaped member and hands in front of the plate, and lighting means carried in the enclosure formed by the back forming member, the band and the plate.

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