Oct. 10, 1933. F. B. HARDING ET AL 1,930,048

REVOLVING DISPLAY SIGN

Filed Jan. 19, 1932

Fig. 1

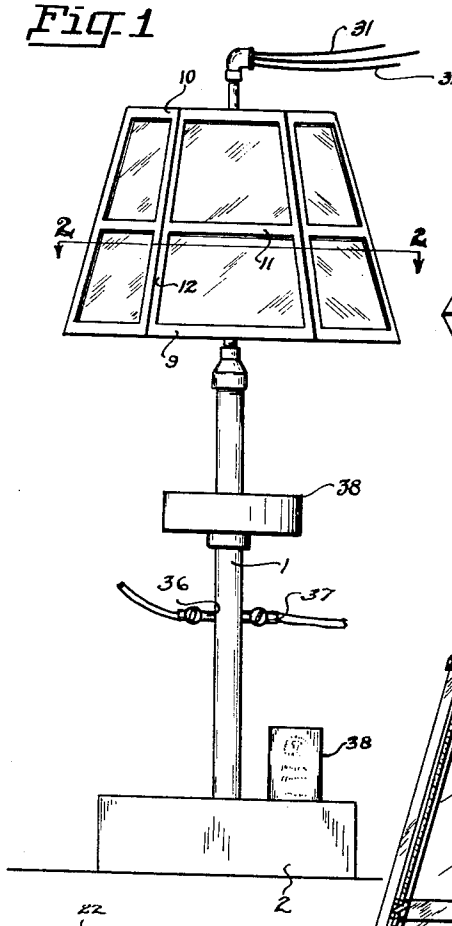


Fig. 2

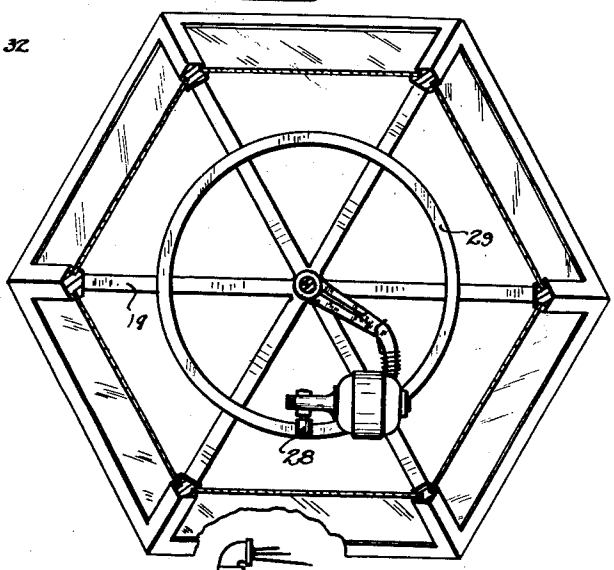


Fig. 5

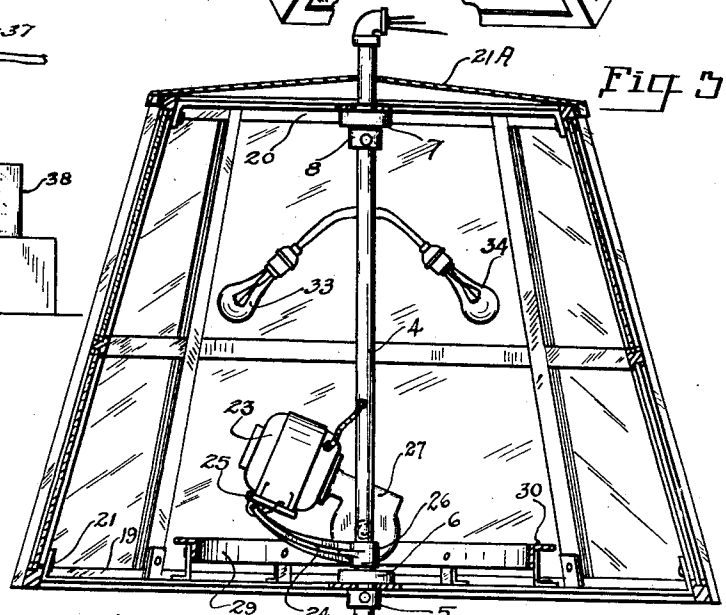


Fig. 6

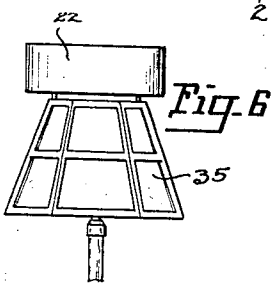


Fig. 7

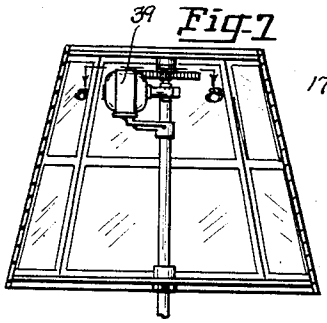


Fig. 4

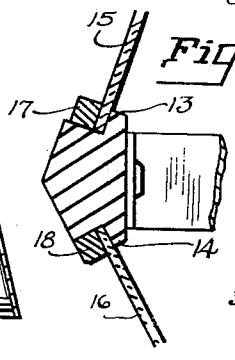


Fig. 8

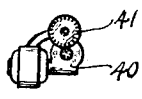
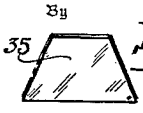


Fig. 5



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REVOLVING DISPLAY SIGN

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Portland, Oreg.

Application January 19, 1932. Serial No. 587,494

2 Claims. (Cl. 40—33)

Our invention relates to illuminated movable shelters that are adapted for being used primarily in gasoline filling stations.

The device is adapted for being placed upon a central supporting member that may be used for the dispensing of air and water, and/or oil, and to act as a shelter for the attendant. The hood has a plurality of transparent plates that are removably disposed therein upon which advertising may be delineated. The hood portion of the shelter may be power driven by either an air motor, or any other suitable prime mover, as an electric motor.

While we have developed our device primarily for use in and around gasoline filling stations, the same may be used with equal facility about any other outdoor place of business, or amusement, as fruit stands, farmers' vegetable markets, wayside eating places and in any and all places where illuminated movable display is found useful, or desirable.

One of the objects of our invention is to provide a revolving power driven hood mounted upon a central support that is sufficiently large to protect one, or more workers therebelow and to provide means for carrying advertising and other delineations thereupon.

A still further object of our invention consists in so constructing our device that it is well adapted for the purpose intended, that is comprised of few parts, that may be easily set up and taken down and that may be adapted to the stand or stands already erected in and around gasoline filling stations.

A still further object of our invention consists in providing a revolving display advertising medium that may be used instead of the large number of signs and other display advertising now in common use in and around gasoline filling stations and other places of business.

And a still further object of our invention consists in providing a revolving carrier that may be made simultaneously to serve the useful purpose of protecting the workmen working therearound and also protecting the merchandise being offered for sale.

With these and incidental objects in view, the invention consists in certain novel features of construction and combination of parts, the essential elements of which are set forth in the appended claims, and a preferred form of embodiment of which is hereinafter shown with reference to the drawing which accompanies and forms a part of this specification.

In the drawing:

Fig. 1 is a side view, of our new and improved assembled device shown erected and in place.

Fig. 2 is a sectional, end view, of the mechanism illustrated in Fig. 1. The same being taken on line 2—2 of Fig. 1, looking in the direction of the arrows.

Fig. 3 is a sectional, side view, of the hood portion of the assembled device.

Fig. 4 is a fragmentary, sectional, end view, of one of the corner posts comprising our device and illustrating the means of detachably attaching the transparent plates thereto and upon which the advertising is to be delineated.

Fig. 5 is a side view, of one of the advertising plates shown removed from the assembly.

Fig. 6 is a side view, of the hood adapted for being driven by an air motor secured to and superposed thereabove.

Fig. 7 is a sectional, side view, of the hood, showing an alternative position for the motor to that shown in Fig. 3.

Fig. 8 is a top view, of the driving mechanism illustrated in Fig. 7, being taken on line 8—8 of Fig. 7, looking in the direction indicated.

Like reference characters refer to like parts throughout the several views.

We have here shown our device as being supported upon a single central pipe standard 1. The pipe standard has a base 2 disposed thereabout that may be used as a container for materials to be displayed and sold. The base may be made sufficiently heavy to act as an anchor for the central column 1, and to render the same portable, or partially portable.

A cap 3 is secured to the upper end of the column 1. A stub shaft 4 is secured to the cap 3, and a set collar 5 is positionable at the upper end of the shaft 4. Frictionless bearings as ball bearings 6 and 7 are positioned upon the shaft 4 and the same directly rests upon the collar 5 and 8. The hood is made from a fabricated frame that is comprised of end bands 9 and 10 and a central band 11.

Posts 12 connect the respective bands together. One of the posts is shown in cross sectional area in Fig. 4. A groove is formed at either side of the post to form shoulders 13 and 14 upon which the transparent plates 15 and 16 come to rest. Locking strips 17 and 18 are used for locking the respective transparent members in place and in position. Spiders 19 and 20 are formed at either end of the hood for supporting the hood upon the respective frictionless bearing members. The outer ends of the spiders are secured to the hood frame, as by being bolted, or riv-

eted thereto as illustrated at 21. A weather proof top 21A is disposed upon and over the hood assembly.

In localities where prevailing winds blow the device may be turned by any suitable air motor that is superposed the hood, as illustrated at 22 in Fig. 6. The air motor vane may be made sufficiently large to have advertising matter delineated thereupon.

Where it is desirable to control, or regulate the speed of the hood, a prime mover as an electric motor 23 may be disposed within the hood and mounted upon any suitable bracket support, as an arm 24 that is secured to the base 25, of the motor upon its one end and the oppositely disposed end being formed integral with the hub 26 that is disposed about the stub shaft 4.

A speed reducer 27 is associated with the driving end of the armature shaft and a friction wheel 28 is adapted for being driven by the prime mover through the speed reducer. An annular band 29 is secured to the spiders 19 and 20. The friction wheel 28 rides directly upon the upper surface 30 of the annular band to thereby provide driving force for driving the hood assembly. Electric current for driving the speed reducer is delivered through electric wires 31 and 32 that lead to a source of electric energy, not here shown.

The electric wires may enter the top of the hood, or the same may be delivered by an underground system and run through the standard 1. Electric lamps 33 and 34 are disposed within the hood and the same are adapted for illuminating the hood during the day and night with equal facility.

Where the device is to be used as an advertising medium the advertising delineations may be placed either, upon the vane of the air motor 22, or upon the transparent panels 35, or upon both, thus rendering the same legible, both for day and night use.

Where the device is to be used in gasoline filling stations water and compressed air outlets 36 and 37 are provided upon the standard 1. Articles to be merchandised and sold for any purpose may be placed within any suitable containers 38 that are disposed about the standard, and where the device is to be used in filling stations the base 2 is made sufficiently strong and heavy to prevent the standard being damaged by the wheels of the motor vehicles contacting therewith.

In some cases it may be desirable to place the motor 23 in another position, as at 39. When so placed, the hood may be revolved thru a worm and gear drive 40, and such further reduction gears 41 as may be desirable.

While the form of mechanism herein shown and described is admirably adapted to fulfill the objects primarily stated, it is to be understood that it is not intended to confine the invention to the one form of embodiment herein shown and described, as it is susceptible of embodiment in various forms, all coming within the scope of the claims which follow.

What we claim is:

1. In a device of the class described, the combination of a weighted base, a standard upwardly extending from and associated with the base and having an exterior circular platform formed midway of its length, said base being adapted for supporting and displaying articles for sale therein and thereupon, a hood revolvably disposed upon the standard, power means for rotating the hood, said hood being comprised of a plurality of angularly related transparent panels, removably secured thereto, and delineations disposed upon said panels, and said hood adapted to provide a shelter for said base, standard and platform.

2. A standard for gasoline filling stations, comprised of a vertical support, merchandise racks associated with the base and disposed upon the standard, a covered revolvable hood disposed upon the standard and of sufficient size to form a shelter, power means for rotating the hood, means for lighting the hood, and advertising delineated upon the outer surface of the hood, said power means comprising an electric motor mounted to the vertical support and in operative frictional engagement with a ring horizontally disposed and fixedly secured to the lower portion of said hood on the interior thereof.

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