Oct. 28, 1952 C. M. WALLIN ET AL 2,615,266

SPARKLING BARBER POLE

Filed Dec. 13, 1949

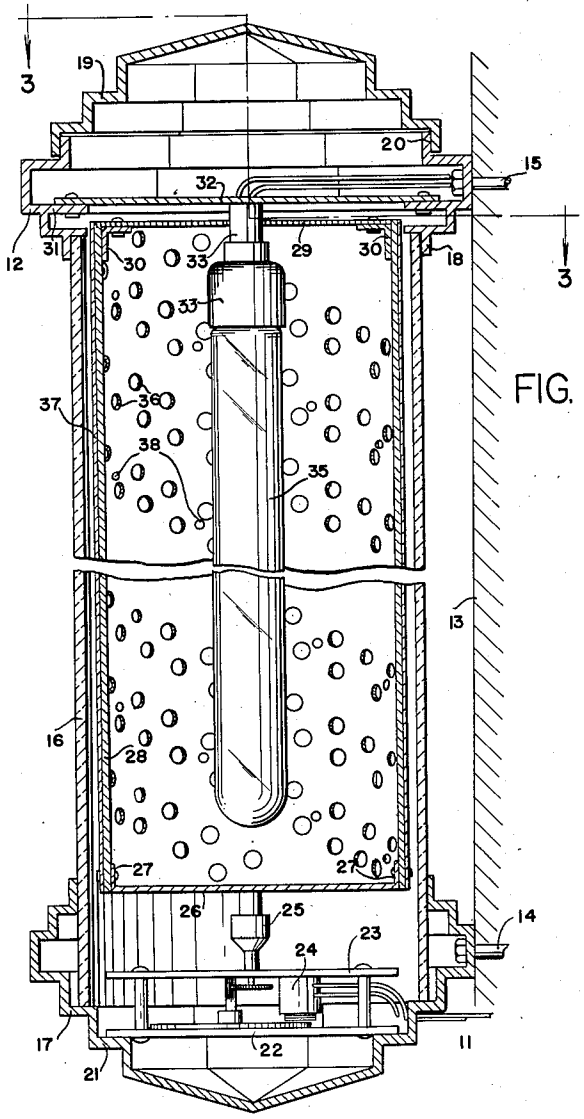


FIG. 1

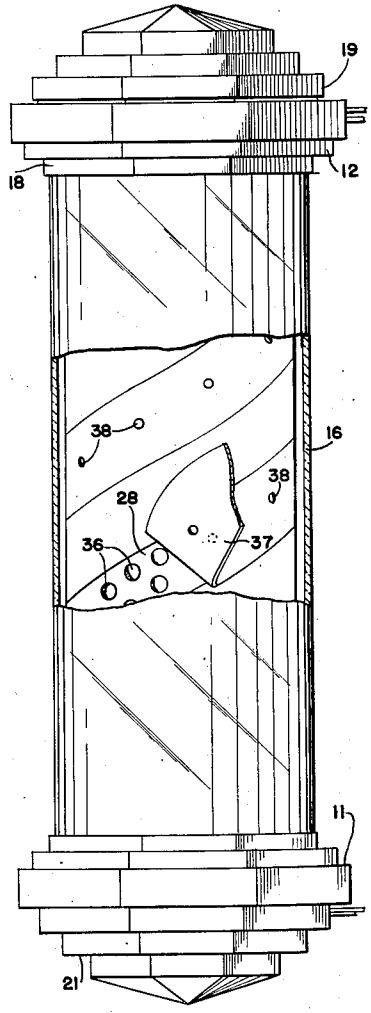


FIG. 2

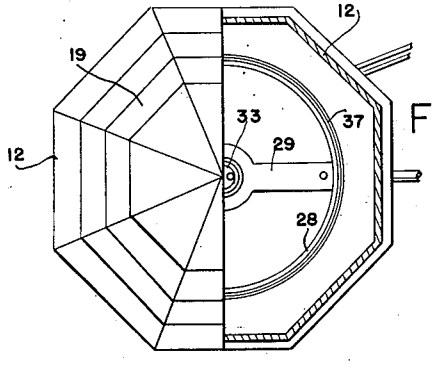


FIG. 3

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Patented Oct. 28, 1952 2,615,266

UNITED STATES PATENT OFFICE

2,615,266

SPARKLING BARBER POLE

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Application December 13, 1949, Serial No. 132,733

2 Claims. (Cl. 40—126)

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This invention relates to revolving barber poles, and more particularly to a revolving barber pole of the illuminated type.

A main object of the invention is to provide a novel and improved illuminated barber pole which is very simple in construction, which is attractive in appearance, and which provides a sparkling effect as it revolves.

A further object of the invention is to provide an ornamental revolving barber pole which is inexpensive to manufacture, which is durable in construction, which provides an unusual sparkling effect, and which employs only a single source of illumination.

Further objects and advantages of the invention will become apparent from the following description and claims, and from the accompanying drawings, wherein:

Figure 1 is a vertical cross-sectional view of an improved sparkling barber pole of the construction contemplated by the present invention;

Figure 2 is an elevational view, partly broken away, of the barber pole illustrated in Figure 1;

Figure 3 is a cross-sectional view taken on line 3—3 of Figure 1.

Referring to the drawings, 11 designates an octagonal bottom supporting housing and 12 designates an octagonal top supporting housing. The supporting housings are secured to a wall 13 by respective fastening bolts 14 and 15 in vertical alignment. Designated at 16 is a cylindrical, transparent cover whose lower end is received in a step 17 of the bottom housing 11 and whose upper end is received within a depending flange 18 of the upper housing 12. The upper housing 12 is provided with a removable, stepped cap 19 engaging over an octagonal top flange 20 of the upper housing.

Secured on a lower step 21 of the bottom housing 11 is a bottom motor supporting plate 22. Secured to plate 22 in spaced parallel relation thereto is another plate 23. Designated at 24 is an electric motor. Designated at 25 is a vertical spindle rotatably mounted in the center of plate 23, said center coinciding with the vertical axis defined by the housings 11 and 12. The spindle 25 is coupled to the shaft of motor 24 by suitable speed reducing gears, as shown in Figure 1.

Secured to the top end of spindle 25 is a diametral bracket bar 26 having upstanding end flanges 27, 27. Secured to said flanges is a vertical cylinder 28 of aluminum or other suitable light rigid material. Designated at 29 is a centrally apertured, transverse bracket secured to the top end of cylinder 28 by diametrically opposed angle brackets 30, 30, as shown.

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Top housing 12 is formed with an inwardly extending flange 31 to which is secured a disc member 32. Centrally secured to disc member 32 is a depending sleeve 33 which extends rotatably through bracket 29 and which has secured thereto a lamp socket 34 in which is mounted the inverted elongated showcase lamp 35.

Cylinder 28 is formed with spaced pairs of spirally arranged rows of relatively large apertures 36. Secured on the outer surface of cylinder 28 are spiral strips of translucent colored material 37, each strip 37 overlying one of the double rows of apertures 36, and the strips being arranged in the conventional sequence of colors employed on barber poles, such as alternately red and white, or red, white and blue, or the like. Designated at 38 are smaller apertures extending through both cylinder 28 and strips 37, said smaller apertures being located between the respective pairs of spirally arranged rows of apertures 36, as shown in Figure 1, and having a much wider spacing than the apertures 36.

In operation, the motor rotates the cylinder 28 at a constant speed, the lamp 35 being illuminated. Light from lamp 35 diffuses through the strips 37, through the apertures 36, providing substantially even and relatively subdued illumination of said strips. At the same time, direct rays of light from lamp 35 pass through the small apertures 38, whereby an unusual sparkling effect is obtained as the cylinder 28 rotates, greatly enhancing the attractiveness of the barber pole.

While a specific embodiment of an illuminated, sparkling barber pole has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitations be placed on the invention except as defined by the scope of the appended claims.

What is claimed is:

1. A barber pole comprising a pair of vertically spaced supports, a transparent outer cylinder fixed at its opposing ends on the supports, motor means mounted on one of said supports, an opaque cylinder mounted for rotation in the outer cylinder, drive transmitting means connected between said opaque cylinder and the motor means, illuminating means carried by the other support and disposed within the opaque cylinder to illuminate the interior thereof, said opaque cylinder being formed with relatively large openings arranged in a spiral pattern, strips of variously colored translucent material spirally wound interiorly on the opaque cylinder and enclosing the openings therein, said strips

being formed with minute spaced openings arranged to allow direct passage of light rays from said illuminating means, whereby the direct light rays from said illuminating means provide a sparkling effect against the illuminated strips of colored translucent material.

2. In a barber pole, an opaque interiorly illuminated rotatable cylinder having relatively large spirally arranged rows of transverse openings formed in the side wall thereof, strips of variously colored translucent material spirally wound on the exterior of the cylinder and enclosing the openings, said strips having relatively small perforations formed transversely therein at longitudinally spaced points, said strip perforations lying between the rows of openings in the opaque cylinder, said opaque cylinder having the small openings registering with said small perforations and permitting passage of direct light rays from the interior of the cylinder through the strips, whereby the direct light rays provide a sparkling effect against the illuminated colored strips of translucent material.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,759,789	Howard	May 20, 1930
2,069,103	Bestler	Jan. 26, 1937
2,344,639	Ressinger	Mar. 21, 1944