J. C. MONAHAN.

SIGN.

APPLICATION FILED FEB. 24, 1920.

1,357,409. Patented Nov. 2, 1920.

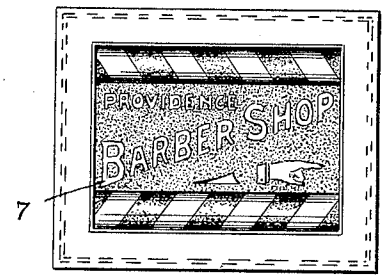


Fig. 1.

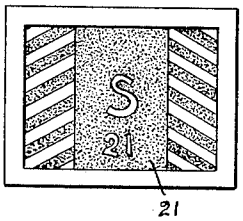


Fig. 4.

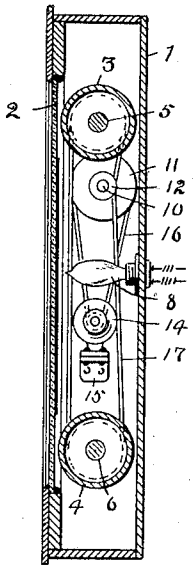


Fig. 2.

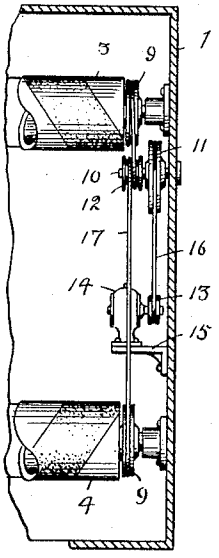


Fig. 3.

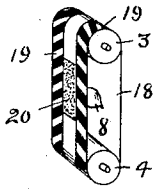


Fig. 5.

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UNITED STATES PATENT OFFICE.

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SIGN.

1,357,409. Specification of Letters Patent. Patented Nov. 2, 1920.

Application filed February 24, 1920. Serial No. 360,796.

To all whom it may concern:

Be it known that I, JOHN C. MONAHAN, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Signs, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to signs and has special reference to a barber's sign.

The principal object is to produce a particularly attractive and interesting sign of this character.

Other objects and advantages of the peculiar construction will appear as the description proceeds.

In the accompanying drawings forming part of this application and in which like reference characters indicate like parts:

Figure 1 is a front elevation of one embodiment of my improved sign.

Fig. 2 is an enlarged central vertical sectional view.

Fig. 3 is an enlarged fragmental section showing the ends of the rolls and the operating device in elevation.

Fig. 4 is a front elevation of a modified form of sign involving the principal elements of the invention, and

Fig. 5 is a perspective view of a modified form of the moving elements within the sign.

1 represents a suitable housing preferably rectangular in shape, in the front of which is installed a glass 2.

Within the housing and disposed horizontally, one adjacent the upper portion thereof, and one adjacent the lower portion of the housing are two rollers 3 and 4, mounted upon suitable shafts 5 and 6 respectively, which are journaled within the side walls of the housing.

In the preferred construction here illustrated the central horizontal portion of the glass 2 is made opaque, by painting or otherwise coloring, preferably the inner surface thereof, and upon which transparent lettering or other form of indicia, as indicated at 7 is placed. The opaque strip through the center of the glass is of a vertical width to leave just sufficient transparent portions of the glass through which the major portion of the rolls 3 and 4 are visible.

Within the housing and approximately centrally thereof is installed an electric light, as indicated at 8, which when desired may be turned on for illumination of the entire sign as is obvious.

Upon the exterior of the rollers 3 and 4 are bi-colored markings delineated spirally in opposite directions in respect to the rollers so that when they are rotated in the same direction which is the result by the mechanism hereinafter described, the optical illusion of horizontal motion will occur in opposite directions thereupon.

As operating means for the rollers I have shown fixed to each roller shaft, and close to the ends of the former, a suitable sheave 9 and just below the shaft 5 is installed in the adjacent edge wall of the housing a counter shaft 10 fixedly carrying a sheave 11 and a spool 12, the latter being in alinement with the sheaves 9—9 and the former in alinement with the driving pulley 13 on the electric motor 14 supported upon a suitable bracket 15 attached to the wall of the housing and which motor may receive electric energy from any source desired.

The driving belt from the motor to the sheave 11 is illustrated at 16 and the belt 17 is wound once around the spool 12 and around the sheaves 9—9 which results in the two latter being rotated in the same direction.

While I have shown this arrangement as a preferred embodiment it is apparent that the spiral colorings of the rollers may be alike and the belt 17 crossed to produce opposite motions of the rollers and various other modifications from the installation here shown may be resorted to without departing from the spirit of the invention.

In Figs. 4 and 5 I have shown the rollers 3 and 4 as carrying a continuous or endless curtain indicated at 18, such curtain having inclined markings adjacent its edges as at 19 and centrally disposed spots or spaces of different colors as indicated at 20. Upon the glass front of the sign the opaque space indicated at 21 is disposed vertically of the face of the sign and carrying transparent indicia, the color of which will change as the different patches of color on the canvas pass therebehind.

In this modification the light may be installed from the side edges of the housing intermediate of the rollers and shine through the belt or canvas 18, which would be of more or less transparent material suitable for such use.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. The combination with a rectangularly shaped housing having a glass covered front, of two horizontally disposed spaced rollers having stripes thereupon spirally disposed in different directions, and means for rotating the rollers in a like direction whereby the stripes are seen to move horizontally in different directions.

2. In a sign of the character described, the combination with a suitable housing having horizontally disposed spaced rotatable rollers therein, of a glass front for the housing having a transparent space in front of each roller and exposing same to view and an opaque space intermediate of the transparent spaces carrying indicia thereupon.

3. In a sign of the character described, the combination with a suitable housing carrying horizontally disposed spaced rollers therein and means for rotating same, of varicolored covering for the rollers, a glass front for the housing having a central opaque portion and two spaced transparent portions substantially as and for the purpose described.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

JOHN C. MONAHAN.

Witnesses:
ELLEN THEORIN,
M. E. FAY.