No. 888,569. PATENTED MAY 26, 1908.

P. ZARELLA.

BARBER'S SIGN APPARATUS.

APPLICATION FILED NOV. 24, 1905.

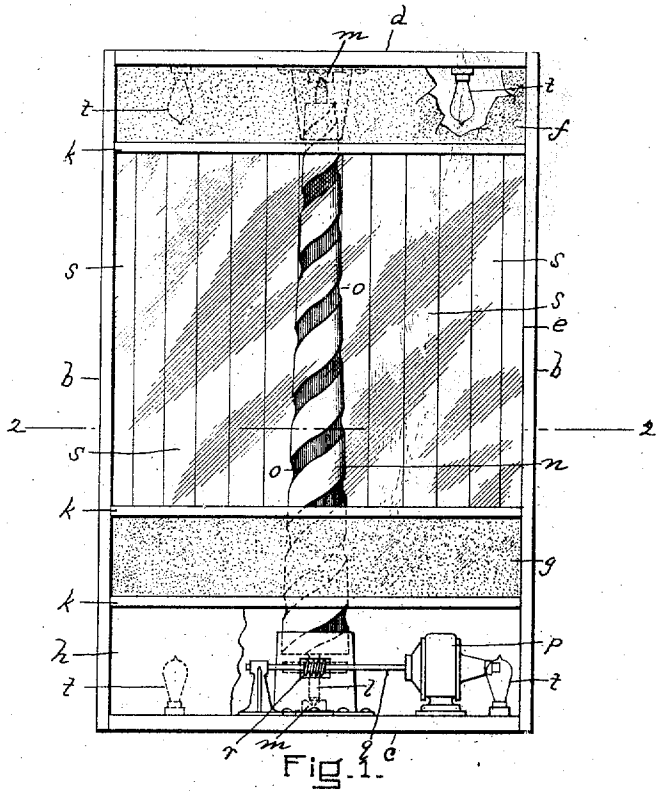


Fig. 1.

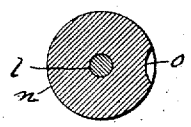


Fig. 3.

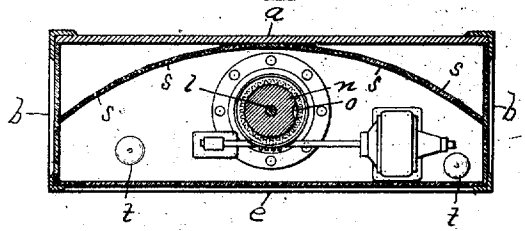


Fig. 2.

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UNITED STATES PATENT OFFICE.

PETER ZARELLA, OF BOSTON, MASSACHUSETTS.

BARBER'S SIGN APPARATUS.

No. 888,569. Specification of Letters Patent. Patented May 26, 1908.

Application filed November 24, 1905. Serial No. 288,892.

To all whom it may concern:

Be it known that I, PETER ZARELLA, a citizen of the United States, residing in Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Barbers' Sign Apparatus, of which the following is a specification.

This invention relates to an improved sign or sign-apparatus for use by barbers and hair-dressers, and especially adapted to be applied on the outside of a barber's or hair-dressing establishment.

The invention employs a barber's pole inclosed in a glass case and rotated by a suitable motor, the upper and lower ends of said pole being hidden, whereby the rotation of the vertically set pole produces the effect or appearance of the spiral stripes climbing upward and disappearing behind a ground-glass surface in the upper end of the case. A mirror consisting of a number of flat narrow vertically set mirrors placed side by side in a general curved line, the center of which is immediately behind the pole, adds to the effect by producing a number of reflections of the rotating pole with its apparently climbing and disappearing stripes.

The nature of the invention is fully described in detail below, and illustrated in the accompanying drawing, in which:—

Figure 1 is a front elevation of the device, a part of the lower portion of the panel or case being represented as broken out in order to show the position of the motor. Fig. 2 is a horizontal section taken on line 2—2, Fig. 1. Fig. 3 is an enlarged horizontal section of the pole taken on the same line in Fig. 1.

Similar letters of reference indicate corresponding parts.

a represents the rear wall and *b* the side walls of a case of which *c* is the bottom and *d* the top. The sides *b* are made preferably of (wholly or partially) transparent glass. The front of the case comprises a window *e* of transparent glass, a ground-glass plate or panel *f* between the upper end of the window and the top of the case, a similar ground-glass panel or plate *g* which extends across the case below the transparent glass *c*, and a wooden or opaque panel *h* next the lower end of the case, said panels being separated by suitable beads or rails *k*.

1 represents a spindle set vertically and centrally in the case, and supported rotatively in suitable boxes indicated by dotted lines *m* next the bottom and top of the case. Rigid on this spindle is a barber's pole *n*, typically striped with any desired color or colors, the drawing illustrating white and red spiral stripes. The red stripe is illustrated in the drawing as being produced on a spiral groove *o* which is concave in cross section, for the purpose of heightening the effect as the pole is rotated. A motor *p* is located in the lower portion of the case behind the panel *h*, and a shaft *q* extending therefrom engages and rotates the pole by means of a worm *r*.

Set vertically in the case with its central portion behind the pole, is a row or series of flat narrow mirrors *s*, said row being formed substantially on the arc of a circle whereby its ends extend to points on opposite sides of the pole. Each of these mirrors of course produces a reflection of the barber's pole. Suitable electric lights *t* are located in the upper and lower portions of the case above and below the exhibited portion of the pole. When this case provided with the pole is in position, the only portion of the pole which can be seen is the part which is between the upper ground-glass panel *f* and lower ground-glass panel *g*, the ends of the pole being entirely out of sight. When the light has been tured on (as would be the case in the evening) the pole appears in the center of a number of reflections corresponding with the number of mirrors *s* — thirteen being shown in the drawing. After the motor has been put into operation the appearance is that of a central striped pole brilliantly lighted and with the stripes climbing up and vanishing in the air accompanied by a number of other poles shown in reflection by the mirrors *s*. The appearance of the stripes as the pole rotates is rendered still more effective by the concave shape of the spiral groove *o*.

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

A sign comprising an angular casing having a back, sides, top and bottom, and a front having a middle transparent part, an un-

right rotary pole set in bearings on the top and bottom of the casing, means to rotate the pole, means to illuminate the same, and a series of vertical mirrors behind the pole, at angles to each other, and extending in a curved line from one side of the casing to the other, to give multiple reflections of the pole.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PETER ZARELLA.

Witnesses:
HENRY W. WILLIAMS,
A. K. HOOD.