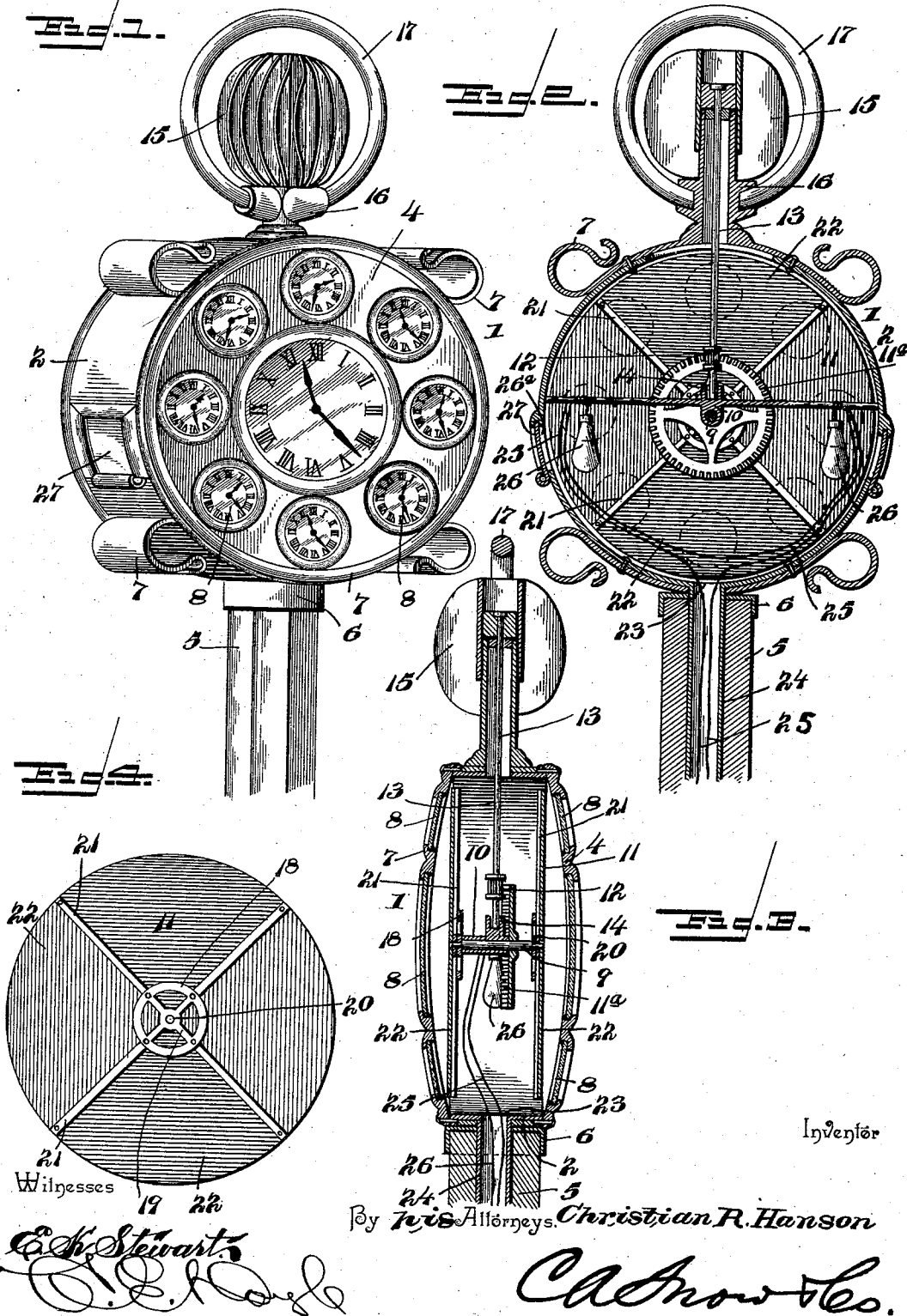


(No Model.)

C. R. HANSON.
REVOLVING SIGN.

No. 537,034.

Patented Apr. 9, 1895.



UNITED STATES PATENT OFFICE.

CHRISTIAN R. HANSON, OF SAVANNA, ILLINOIS.

REVOLVING SIGN.

SPECIFICATION forming part of Letters Patent No. 537,034, dated April 9, 1895.

Application filed May 11, 1894. Serial No. 510,917. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN R. HANSON, a citizen of the United States, residing at Savanna, in the county of Carroll and State of Illinois, have invented a new and useful Transparent or Revolving Sign, of which the following is a specification.

My invention relates to advertising devices especially adapted for use as a watch or jeweler's sign, and it relates particularly to a revolving illuminated sign, whereby it is adapted to attract attention either in daylight or at night.

The objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

In the drawings:—Figure 1 is a perspective view of a sign embodying my invention. Fig. 2 is a vertical section of the same taken parallel with the side plates of the casing. Fig. 3 is a vertical section at right angles to the plane of Fig. 2. Fig. 4 is a detail view of one of the revolving disks.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a cylindrical casing having a circular band 2, and the opposite spaced side plates 4, which are secured at their peripheries to the edges of said band, said casing being adapted to be mounted upon a post or pedestal, as shown in the drawings, or suspended in any suitable way, as may be preferred. When it is to be supported by a post or pedestal, as shown at 5, it is provided at its under side with a collar 6 to receive the upper end of such post or pedestal. The exterior of the casing may be provided with any suitable scrolls, as shown at 7, or other ornamentation. The side plates of the casing are provided with openings fitted with transparent disks 8, which may be of glass or similar material, and the arrangement of these openings is preferably as shown in the drawings, namely, a central large opening and a concentric series of smaller openings, and the transparent disks which are fitted therein, when the sign is designed for use as a jeweler's advertisement, should be provided with watch or clock dials inscribed on the surfaces thereof.

An arbor 9 is arranged concentrically in the casing, and is mounted in a bearing at the center of a cross-bar 10, which is supported at its opposite extremities by sockets formed upon the inner surfaces of the band forming a part of said casing, and to the opposite ends of the arbor are secured rotary vari-colored disks 11. At an intermediate point the arbor is provided with a crown-wheel 11^a with which meshes a pinion 12 carried by a vertically disposed spindle 13 which is seated at its lower end in a bearing 14 at the center of the cross-bar and extends at its upper end above the casing where it carries a wind-wheel 15. Swiveled in sockets upon opposite sides of the bearing 16 for the spindle 13 above the casing is a ring 17, and the shape of the wheel corresponds with that of the head on a stem-winding watch spindle.

It will be seen that the exterior of the device, as above described, including the casing, the ring, and the wind-wheel, is in imitation of a watch.

The rotary vari-colored disks are preferably constructed as follows:—18 represents a central circular frame having a series of spokes 19 and a central hub 20, which is secured to the extremity of the arbor. To the spokes of this central frame are fixed the inner ends of radially disposed ribs 21, and to these are secured the contiguous edges of a series of sector-shaped translucent sheets or plates 22 of different colors. These sheets or plates are preferably formed of celluloid, but may be of any material through which light may pass.

The casing is provided, preferably at its lower side as shown in the drawings, with an opening 23, from which extends a tube 24, and through this tube extend the wires 25, which are connected with the incandescent burners 26 located within the casing and preferably suspended from the above described cross-bar.

This being the construction of the improved sign, the operation thereof is as follows:—The effect of the wind upon the wheel causes a rotation thereof which is communicated through the spindle and gearing to the arbor which supports the vari-colored disks. These disks are located adjacent to the planes of the perforated walls of the casing, and hence between

said walls or sides and the illuminating device or devices. Hence the different colors of the disks appear successively through the transparent-colored openings in the sides or walls, and by the alteration of the colors attract the eye of the observer. The band 2 is provided at its opposite sides with openings 26 provided with slides 27, whereby the illuminating device or devices may be reached for removal or manipulation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit of the invention or sacrificing any of the advantages thereof.

Having described my invention, what I claim is—

1. A watch-shaped casing having a cylindrical body portion provided in its approximately flat sides with transparent dials, said body-portion being surmounted by a ring 17 formed to represent a watch pendant ring arranged in a plane between the approximately flat sides of the casing, and a winged wheel 15 of spherical contour simulating the shape of a watch stem arranged within the ring and having its spindle mounted in a bearing in the top of the casing, in combination with ro-

tary varicolored disks arranged contiguous to the approximately flat sides of the casing, connections between the spindle and said disks, and illuminating devices arranged between the disks, substantially as described.

2. In an advertising sign, the combination of a casing having its opposite sides or walls provided with openings, provided with transparent disks suitably inscribed with advertising matter, two rotary translucent varicolored disks located within the casing adjacent to the planes of the sides or walls having said openings, an illuminating device located between the planes of the varicolored disks, an arbor 9 connecting the opaque disks, the crown wheel 11^a, the pinion 12, the shaft or spindle 13, and the wind-wheel 15, mounted upon the upper end of the shaft, the shape of the wind-wheel corresponding with that of the head of a stem-winding watch spindle, substantially as shown and described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

C. R. HANSON.

Witnesses:

HARRY CRAIG,
BERTRAND LICHTENBERGEN.