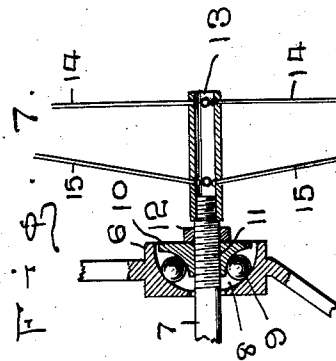
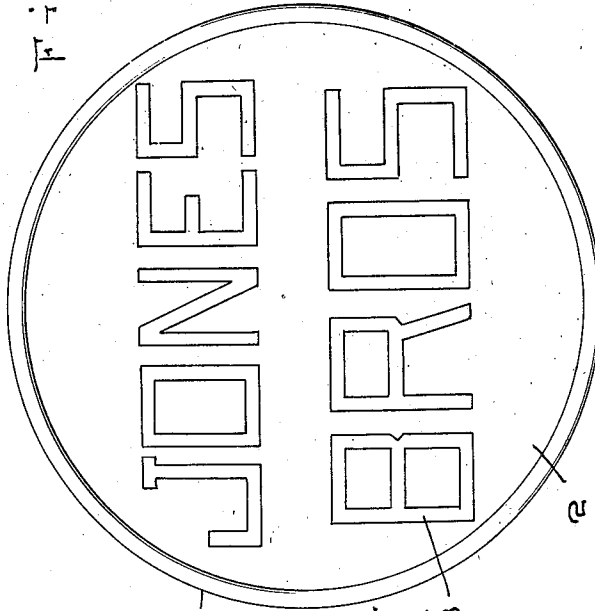
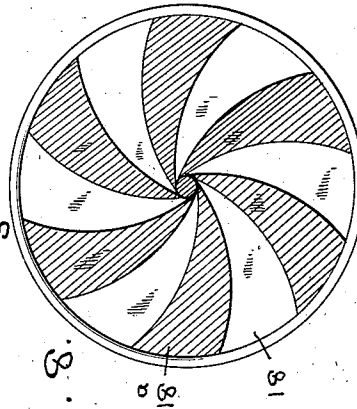
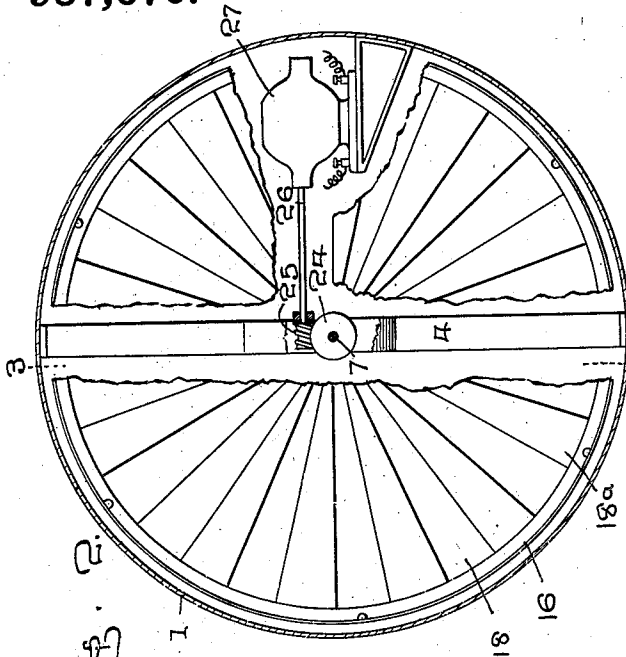


J. A. WIEDEMANN.
SIGN CONSTRUCTION.
APPLICATION FILED FEB. 23, 1909.

937,670.

Patented Oct. 19, 1909.

2 SHEETS—SHEET 1.



WITNESSES:

W. W. Wiley
M. A. Newcomb

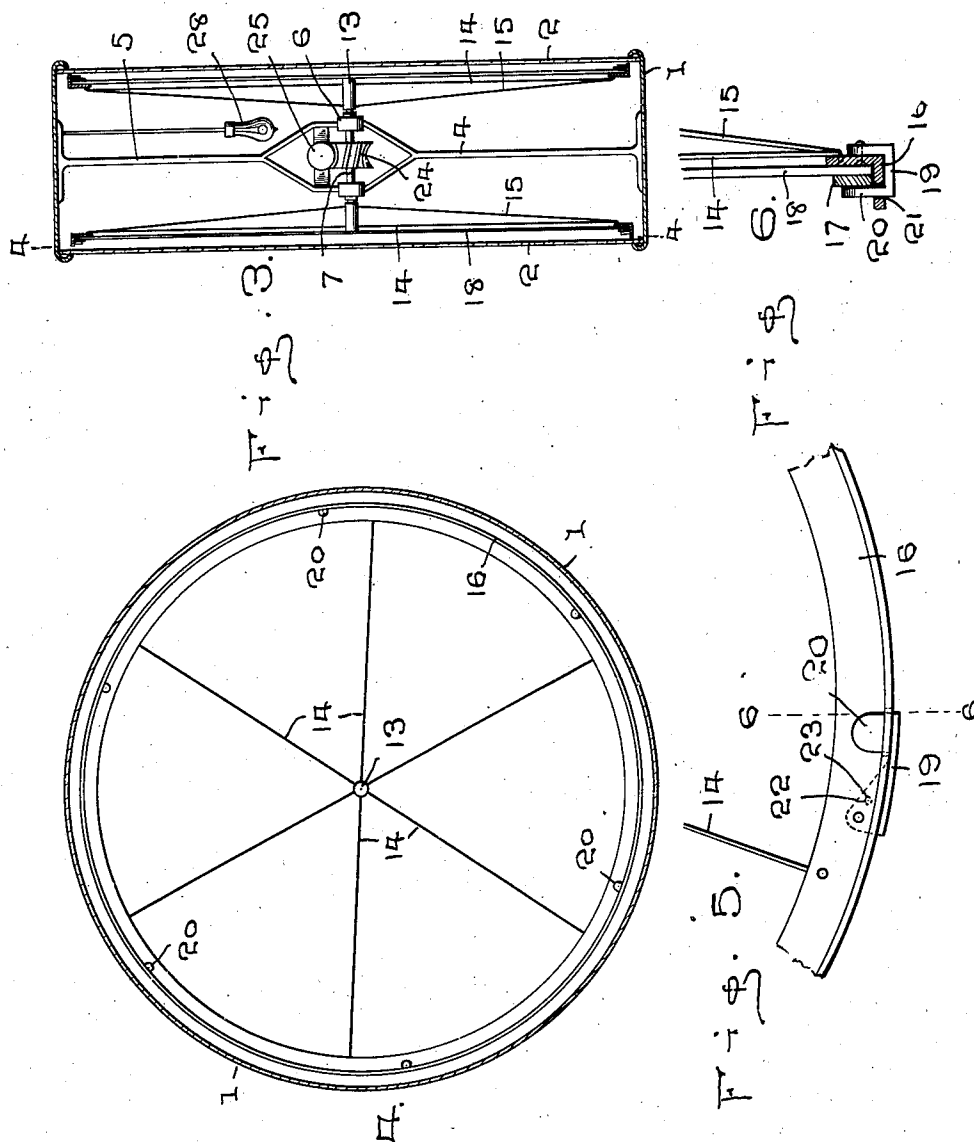
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2 SHEETS—SHEET 2.

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UNITED STATES PATENT OFFICE.

JOSEPH A. WIEDEMANN, OF ELDORADO, KANSAS.

SIGN CONSTRUCTION.

937,670.

Specification of Letters Patent.

Patented Oct. 19, 1909.

Application filed February 23, 1909. Serial No. 479,599.

To all whom it may concern:

Be it known that I, JOSEPH A. WIEDEMANN, a citizen of the United States, residing at Eldorado, in the county of Butler and State of Kansas, have invented certain new and useful Improvements in Sign Construction; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in sign constructions and my object is to provide a sign adapted to be used for advertising purposes.

A further object is to provide means for intermittently casting different colored lights on the sign to be displayed.

A further object is to provide means for rotating the parts employed for casting the different colored lights and a further object is to so arrange the color producing devices as to cause a flickering or twisting shadow effect on the sign.

A further object is to provide means for quickly attaching or removing the color producing devices and a still further object is to so arrange the sign as to display subject matter from each end thereof.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings forming part of this application, Figure 1 is an elevation of the sign showing the matter thereon to be displayed. Fig. 2 is a sectional view through the casing of the sign showing portions of the sign broken away. Fig. 3 is a transverse sectional view through the sign, as seen on line 3—3, Fig. 2. Fig. 4 is a sectional view as seen on line 4—4, Fig. 3, showing the color producing means removed therefrom. Fig. 5 is a detail elevation of a portion of the frame employed for holding the color producing devices. Fig. 6 is a sectional view as seen on line 6—6, Fig. 5. Fig. 7 is a detail sectional view on an enlarged scale showing the moving frame employed for holding the color producing devices, and, Fig. 8 is an elevation showing the manner of applying color producing devices of a different shape from that shown in Fig. 2.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the frame of my improved sign,

which is preferably cylindrical and is provided at each end with a closure 2, which closure is preferably opaque, on which is to be placed the letters 3 or other subject matter to be displayed, said letters being transparent.

Located within the frame 1, are standards 4 and 5 the meeting ends of which are bifurcated and provided with hubs 6, through which extends the shaft 7, the outer ends of the hubs being provided with cavities 8, in which are located bearing balls 9, said balls being held within the cavities by means of keepers 10, said keepers being interiorly threaded to engage the threads 11 on the ends of the shaft 7 and to hold the keepers in proper position on the shaft and prevent the same from rotating thereon, lock nuts 12 are introduced onto the threaded portions of the shaft and moved into engagement with the outer faces of the keepers 10.

The outer ends of the shaft 7 are preferably reduced in size and the reduced portion threaded to receive tubular extensions 13, to which are attached wire spokes 14 and 15, the outer ends of said spokes being attached to rims 16, which rims are preferably L-shaped in cross-section, the spokes 14 being extended vertically from the outer ends of the extensions 13, while the spokes 15 are extended at an angle to form braces for the rims.

The rim 16 is adapted to receive a circular band 17, to which is secured a disk 18, preferably constructed of paper or other transparent substance, said disk having painted or printed thereon a plurality of colored strips 18^a, so that when the rim 16 is rotated, a shimmering light will be thrown on the letters and an attractive and pleasing effect produced, the colors on the strips showing through the transparent letters on the closures.

The band 17 is held in position on the rim 16 by means of a latch 19, said latch being pivotally attached to the rear face of the rim 16 and is provided at its free end with a tongue 20, which tongue extends upwardly through a slot 21 in the horizontal portion of the rim and engages the outer face of the band 17, said latch being held in its closed position by forming a stud 22 on the latch which enters a depression 23 on the face of the rim 16 and it will be readily seen that when the stud snaps into the depression, the latch will be securely held in its closed po-

sition and by providing two or more of the latches for each rim, the bands will be securely held in position thereon.

The shaft 7 and parts carried thereby are rotated by attaching a gear 24 to the shaft 7, preferably midway between the hubs 6, with which is adapted to mesh a worm 25 on the end of a shaft 26, said shaft being attached to any suitable form of motor 27, which motor is mounted in any suitable manner within the frame 1 and it will be readily seen that when power is applied to the motor, the shaft and parts carried thereby will be rotated and by placing a light, preferably an electric bulb 28 between the two rims and disks carried thereby, the reflection of the colored strips will be cast upon the transparent letters and produce a variegated effect, at the same time fully displaying the letters or other transparent subject-matter on the closures. In Fig. 8 of the drawings I have shown the strips 18^a of a different shape from that shown in Fig. 2, thereby producing a different shimmering effect on the letters.

This sign is adapted more particularly to be used on the exterior of a building and in view of its simplicity, may be very readily and cheaply installed and operated and in view of the fact of providing the colored strips, the sign will readily attract attention, as well as clearly display subject-matter on the closures.

What I claim is:

1. A sign of the class described, comprising the combination with a frame having transparencies at each end thereof and a

light within said frame; of rims rotatably mounted within said frame, bands carried by said rim, means to lock the bands in engagement with the rims, disks carried by said bands and means to rotate the rims and parts carried thereby.

2. A sign of the character described, comprising a frame having transparencies at each end thereof, a light suspended within said frame, rims rotatably mounted within said frame, bands carried by said rims, disks carried by said bands, means to rotate said rims and their carrying means, and means adapted to lock said bands in engagement with said rims, including a latch pivoted to each rim and provided with a tongue extending through a slot in said rim and laterally engaging a band.

3. A sign of the character described, comprising a frame having transparencies at each end thereof, an illuminant arranged in said frame, rims rotatably mounted within said frame, bands carried by said rims, disks carried by said bands, means to rotate said rims and their carrying means, and locking means, including a latch pivoted to each rim and provided with a tongue extending through a slot in said rim and laterally engaging a band, said latch having a lateral stud to engage a depression in said rim.

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

JOSEPH A. WIEDEMANN.

Witnesses:

DILLON HAMILTON,
A. M. AVERY.