June 24, 1930. J. KRIZEK 1,765,536

SIGN

Filed Feb. 15, 1929

Fig. 1.

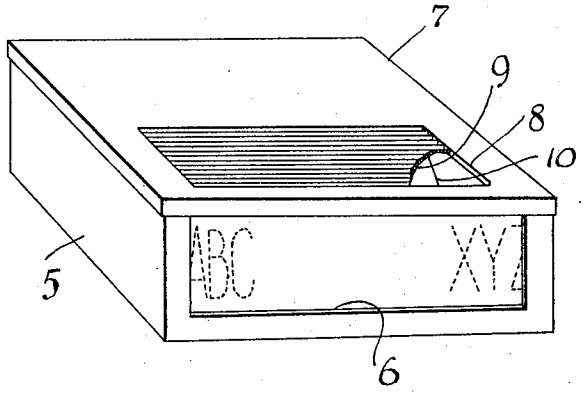


Fig. 2.

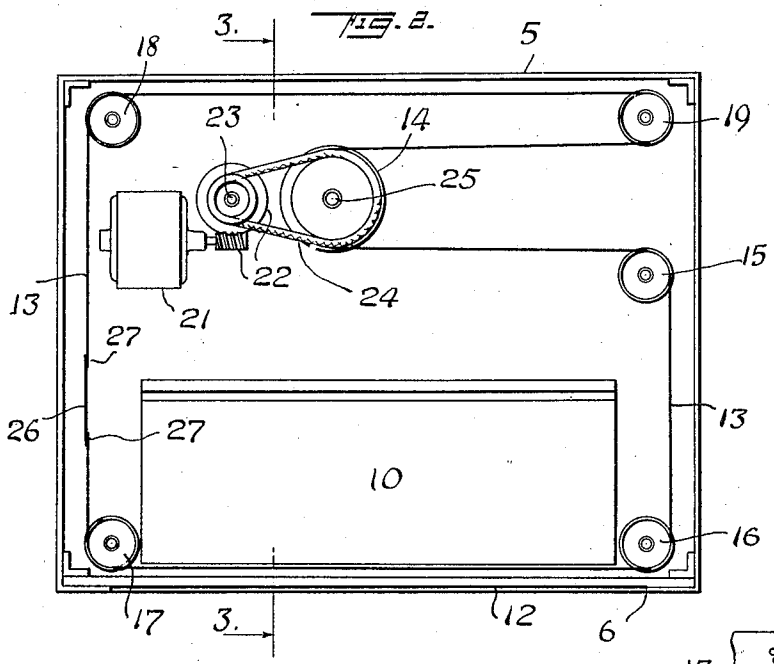


Fig. 4.

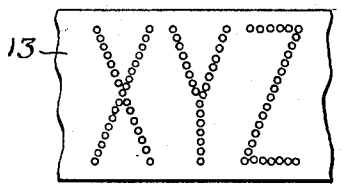
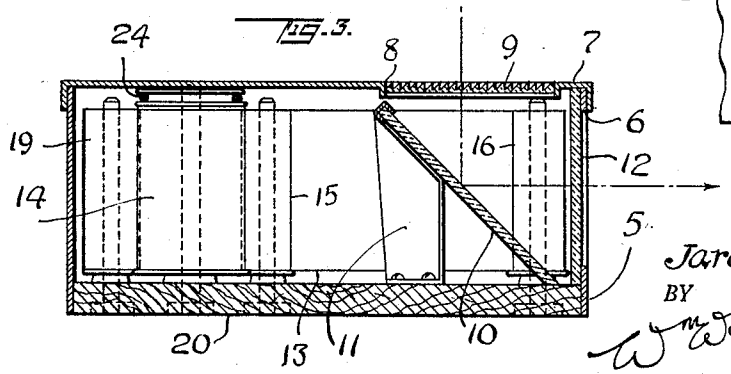


Fig. 3.



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UNITED STATES PATENT OFFICE

JAROSLAV KRIZEK, OF NEW YORK, N. Y.

SIGN

Application filed February 15, 1929. Serial No. 340,306.

My invention relates to advertising and other signs of the type having an endless traveling belt which is illuminated so as to display a moving message or sign through a front opening in the casing.

One object of this invention is to provide an improved sign in which a mirror is employed for reflecting the external light to illuminate the belt.

A further object of my invention is to provide an improved sign having a closed casing provided with a front opening and an upper window through which external light is admitted to a mirror from which the light rays are reflected through a traveling message belt and through the front opening.

With these objects in view the invention consists in the novel construction and arrangement of parts hereinafter described, illustrated in the accompanying drawings and particularly pointed out in the appended claims, it being understood that various changes in the form and constructional details may be made without departing from the spirit of the invention or sacrificing any of the advantages thereof.

In the drawings, Fig. 1 is a perspective view of the sign;

Fig. 2 is a plan view with the cover removed;

Fig. 3 is a cross-section taken on the line 3—3 of Fig. 2; and

Fig. 4 is a detail view showing a part of a perforated message belt.

The sign comprises a box-like structure 5 with a front opening 6 and a removable lid or cover 7, which latter is formed near the front of the sign with an opening 8 in which is fitted a panel or strip of prism glass 9. In the interior of the box a mirror 10 is supported upon suitable brackets 11 and disposed at an angle of about 45° directly beneath the glass 9, so that the external light rays are reflected by the mirror in the manner indicated by the chain lines at Fig. 3. The front opening 6 is provided with a panel or strip 12 of plain, colored, or opal glass, or the like.

The message belt 13 is passed around a vertically disposed roller 14 and around the idler guide rollers 15, 16, 17, 18 and 19, which are suitably mounted on the base 20 of the box, the rollers 16 and 17 being arranged so that the message belt 13 passes between the front panel 12 and the mirror 10 in close proximity to the former.

The message belt is driven by means of an electric motor 21 having a worm gear 22 for driving at reduced speed a spindle 23 from which motion is transmitted by means of a belt drive 24 to the spindle 25 of the roller 14. In order to maintain the message belt 13 at the proper tension the ends 27 thereof are connected by means of an elastic portion 26 of sheet rubber or other suitable material.

It will be readily understood that the top glass 9 and the front glass 12 may be made of any suitable transparent or translucent material, with or without coloring medium thereon.

Although the drawings and the above specification disclose the best mode in which I have contemplated embodying my invention, I desire to be in no way limited to the details of this disclosure, for in the further practical application of my invention many changes in form and construction may be made as circumstances require or experience suggests, without departing from the spirit of the invention within the scope of the appended claims.

What I claim is:

1. A sign of the character described, comprising an enclosed box, a movable lid, an open front, a front glass, a traveling belt for display through said open front and through said glass, an upper opening in said lid for the admission of light, a prism glass secured in said upper opening and an angularly disposed mirror for the reflection of light through the belt.

2. An advertising sign comprising a message belt, means for imparting continuous movement to the belt in a horizontal direction, an internal, angularly disposed mirror extending from side to side of the box for reflecting natural light rays through the message belt, and an upper window in the top of the box for the admission of light to the mirror.

3. A sign of the character described comprising a box, a movable cover for the box, a horizontally disposed prism glass secured in said cover, an angularly disposed mirror below the prism glass, and an endless traveling belt through which natural light rays are transmitted from the prism glass and mirror.

In testimony whereof I have signed my name to this specification.

JAROSLAV KRIZEK.