

No. 687,425.

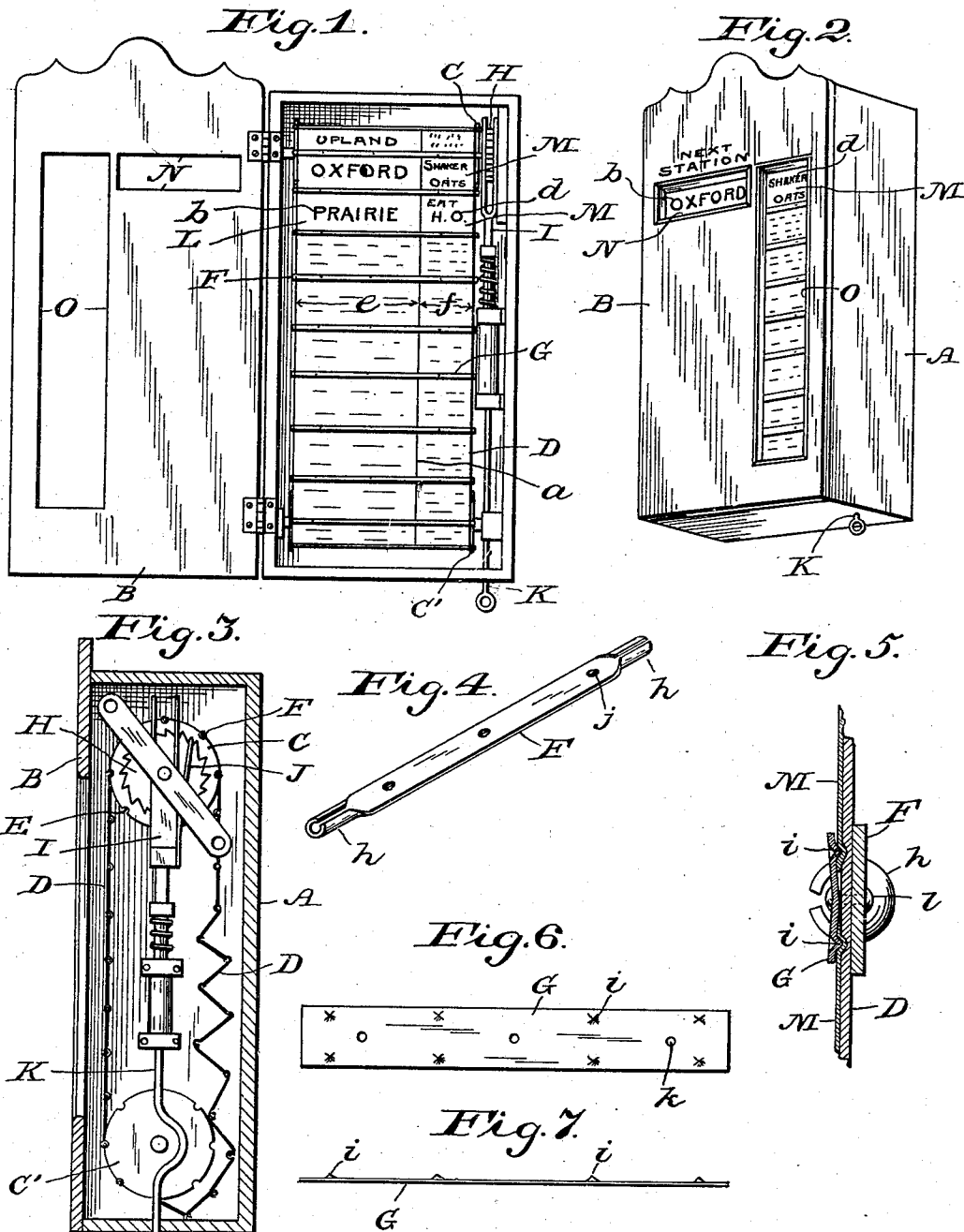
Patented Nov. 26, 1901.

C. H. DILL.

STATION INDICATOR AND ADVERTISER.

(Application filed Mar. 29, 1901.)

(No Model.)



WITNESSES:

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STATION-INDICATOR AND ADVERTISER.

SPECIFICATION forming part of Letters Patent No. 687,425, dated November 26, 1901.

Application filed March 29, 1901. Serial No. 53,439. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. DILL, a citizen of the United States, residing at Danville, in the county of Hendricks and State of Indiana, have invented certain new and useful Improvements in Station-Indicators and Advertisers; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to a combined station-indicator and advertiser for use in transportation-vehicles, such as street-cars or steam-railway cars, or in station-buildings or elsewhere.

20 The object is to provide means whereby advertising-signs may be displayed at intervals or repeatedly while station-signs may be displayed, so that when station signs or indications are read the attention of the observer will naturally be attracted also to the advertising-signs, an object being to provide such advertising facilities at a small cost and with no expense for operation, and a principal object being to provide means whereby not only 30 the advertisements, but station-names also, may be easily changed without waste of valuable material.

Referring to the drawings, in which similar reference-letters indicate corresponding 35 parts, Figure 1 represents a front elevation of apparatus illustrating my invention as preferably constructed, the front cover or hinged door inclosing the operating parts in a case being shown in its open position; Fig. 2, a perspective view of the same with the door closed; Fig. 3, a vertical transverse sectional view showing the main operating elements, and Figs. 4, 5, 6, and 7 detail views of parts that will be fully described hereinafter.

45 In construction I provide a case A of suitable design, having a front B, preferably hinged to the case. In the upper portion of the case is a reel or roller C, suitably mounted revolubly, and in the lower portion is preferably a roller or "idler" C', suitably journaled. 50 An endless flexible web or belt D extends over

the reel C and also below the idler C', if it be employed. The reel C has a suitable number of notches E, and the web has a suitable number of gage-bars F attached thereto, adapted 55 to drop into the notches E, so that the web cannot slip, but shall be positively driven by the reel if the latter be rotated, the web being indefinitely long and hanging loosely upon the reel. The web D is provided with a series of label-holders G for retaining detach- 60 able labels or signs. A ratchet-wheel H is operatively connected with the reel C or to its shaft and may be rotated a suitable distance at a time by means of a pull-bar I, having a spring-yoke J engaging the teeth of the wheel 65 and having a stem K extending through the case A.

In Fig. 1 a longitudinal line *a* will be seen dividing the web D into two sections *e* and *f*, 70 and such sections may be two separate webs, if desired, and arranged on separate rollers actuated simultaneously. As shown, the section *e* designates that designed for displaying the station-names, as *b*, while the section *f* is 75 designed for displaying advertisements, as *d*. If the two sections be made separately, the section *f* will be provided with the label-holders, while on the section *e* the station-names may be permanently applied thereto, as by 80 painting them thereon; but I preferably form the web of sufficient width to include both sections, in which case the label-holders extend entirely across the web, each holder either as one piece or as two pieces, so that 85 the station-names may be applied to removable pieces of suitable paper or other material, forming labels L, which will be convenient should it be necessary to change some of the station-names. The labels M may contain 90 advertisements, that may be readily replaced by others, printed upon slips of paper and retained by the holders G.

In the door B is a sight-opening N, through which each station-name, one at a time as the 95 web may be moved, may be read, and the door has also a sight-opening O, so arranged that as much of the advertising matter on the section *f* as may be desired may be seen there-through, each opening being preferably pro- 100 vided with a glass plate. Each advertisement may thus be read for a longer period of

time than will the station-names be exposed, and each advertisement may be placed either upon one slip or label or upon any consecutive number of them, as may be desired.

5 The outer surface of the web may be covered with the labels, the illustrations merely showing samples thereof.

The gage-bars F may be of any suitable design, as may also the label-holders G; but I preferably attach one to the other, whereby each may be made of lighter material and be more easily attached to the web than when made separately, the bar F being composed of a thin narrow plate struck up at the ends 15 to form cylindrical projections *h h*, extending beyond the edges of the web to engage the notches in the reel, the functional notches in the present case being in end plates of the reel. The bar has a suitable number of rivet-holes *j*. Each holder G is composed of a thin narrow plate of spring metal and has teeth *i* struck up at the flat side thereof, that is placed toward the bar F, the web D being between the bar and the holder-plate, the latter having rivet-holes *k*, and the bar and holder are 25 secured to the web and to each other by rivets *l*, so that the edges of the holder may normally press against the web and the teeth *i* slightly penetrate the surface of the web and extend through a label when placed under the spring edge of the holder.

The drawings illustrate the practical utility of the invention. The stem K may be pulled down to a suitable stop-gage, when the reel 35 C will be partially rotated, moving the web D a corresponding distance and displaying a label L next to that which may have been displayed and also changing the positions at the sight-opening O of the labels M, so that each

time a station-name is changed in operation 40 an advertising-label will disappear and another appear at the opening O. When the period for which an advertisement may have been contracted expires, other advertising labels or signs may be substituted without 45 requiring the changing of a whole web, which may be expensive, and without taking the web out of service, it being only necessary to raise the teeth *i* and withdraw the slip and then insert another. 50

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

1. In a combined station-indicator and advertiser, the combination with the reel and 55 the web, of the combined gage-bars and label-holders consisting of the bar having the end portions thereof turned over and engaging the reel, and the spring-plate secured to said bar, the said holders being secured to the web, 60 and the labels retained by the said holders.

2. In a station-indicator having a shifting web, the combination with the web, of the gage-bars attached to the web, the spring-plates forming label-holders provided with 65 the teeth at the under side thereof and attached to said web and said gage-bars, the reel having the notches engaged by said gage-bars, the labels detachably secured by said holders, and means whereby said web may be 70 actuated, substantially as set forth.

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

CHARLES H. DILL.

Witnesses:

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