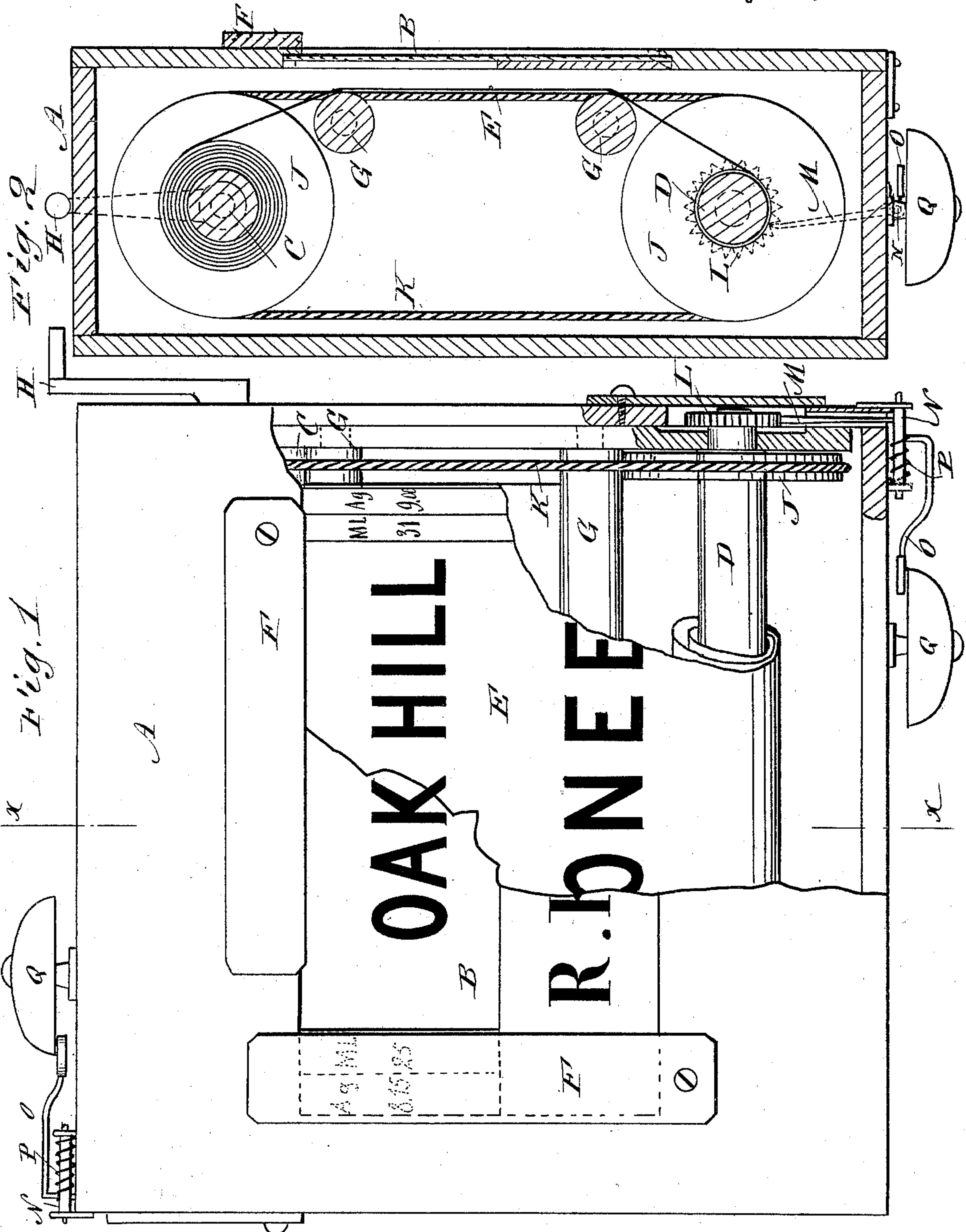


(No Model.)

H. KOEHLER.
STATION INDICATOR.

No. 277,745.

Patented May 15, 1883.



WITNESSES:
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UNITED STATES PATENT OFFICE.

HENRY KOEHLER, OF POMEROY, OHIO.

STATION-INDICATOR.

SPECIFICATION forming part of Letters Patent No. 277,745, dated May 15, 1883.

Application filed November 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY KOEHLER, of Pomeroy, in the county of Meigs and State of Ohio, have invented a new and Improved Station-Indicator, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved device for indicating stations and for sounding a gong every time the device is operated.

The invention consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a front elevation of my improved station-indicator, parts being broken out and others shown in section. Fig. 2 is a cross-sectional elevation of the same on the line *x x*, Fig. 1.

A box, A, is provided with a glass pane, B, in its front, on the lower part of which the name of the railroad or steamboat line is printed or otherwise produced. Two rollers, C and D, are journaled in the top and bottom of the box, respectively, and to the said rollers the ends of a band, E, are secured, on which band are printed or otherwise produced the names of the stations in their regular order, and at the edges of the bands the number of miles from the opposite end stations and the time of arrival at the several stations are printed, the above indications on one edge being used while running in one direction and those on the other edge while running in the other direction. Covers F, which are adapted to cover those parts of the edges of the band E that can be seen through the pane B, are pivoted to the front of the box, or can be arranged to slide. The band E passes over two rollers, G, directly behind the pane, and at the top and bottom of the same. One or both rollers C D are provided with a crank, H. A grooved pulley, J, is rigidly mounted on one or both ends of each roller C D, and cords K pass around the corresponding top and bottom pulleys, whereby when one roller is turned the other roller will be turned in the same direction, and if the band is unwound from one roller it is wound on the other. Each roller is provided with a ratchet-wheel, L, against the teeth of which a pawl, M, rests, which is attached to a rocking

shaft, N, to which a hammer, O, is attached, which is pressed by a spring, P, against a gong, Q, against which it is adapted to strike, the said gongs being attached to the top and bottom of the box A.

The operation is as follows: When the train arrives at a station an attendant turns the crank H, whereby the band is wound on one of the rollers, and one of the gongs will be sounded and call the attention of the passengers to the name of the station appearing behind the pane. One of the covers F must be removed, so that one edge of the band will be visible, to show the relative distances and times of travel in either direction.

If desired, the edge strips of the band E, on which the said distances and times of travel are produced, can be made independent of the band E, so that if the time-table is changed the band need not be changed, but only the edge strips need be replaced by others.

The station-indicator can be used for steamboats, railroads, horse-car roads, stage-lines, &c.

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

1. In a station-indicator, the combination, with the box A, having a glass pane, B, of the rollers C D, the band E, provided with station-names and figures showing the distances and times of travel, and the covers F, secured to the side of the box, for covering alternately one edge of the said band, substantially as herein shown and described.

2. In a station-indicator, the combination, with the box A, having a glass pane, B, of the endless band E, provided with station-names, and having separate edge strips provided with the distances and times of travel, and the covers F, for covering the said edge strips, substantially as herein shown and described.

3. In a station-indicator, the combination, with the box A, the endless band E, the rollers C D, provided with ratchet-wheels L, and means for operating the said rollers, of the rock-shafts N, journaled in bearings attached to the box, and provided with the pawls M and the hammers O, the springs P, surrounding the rock-shafts, and the gongs Q, substantially as herein shown and described.

HENRY KOEHLER.

Witnesses:

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