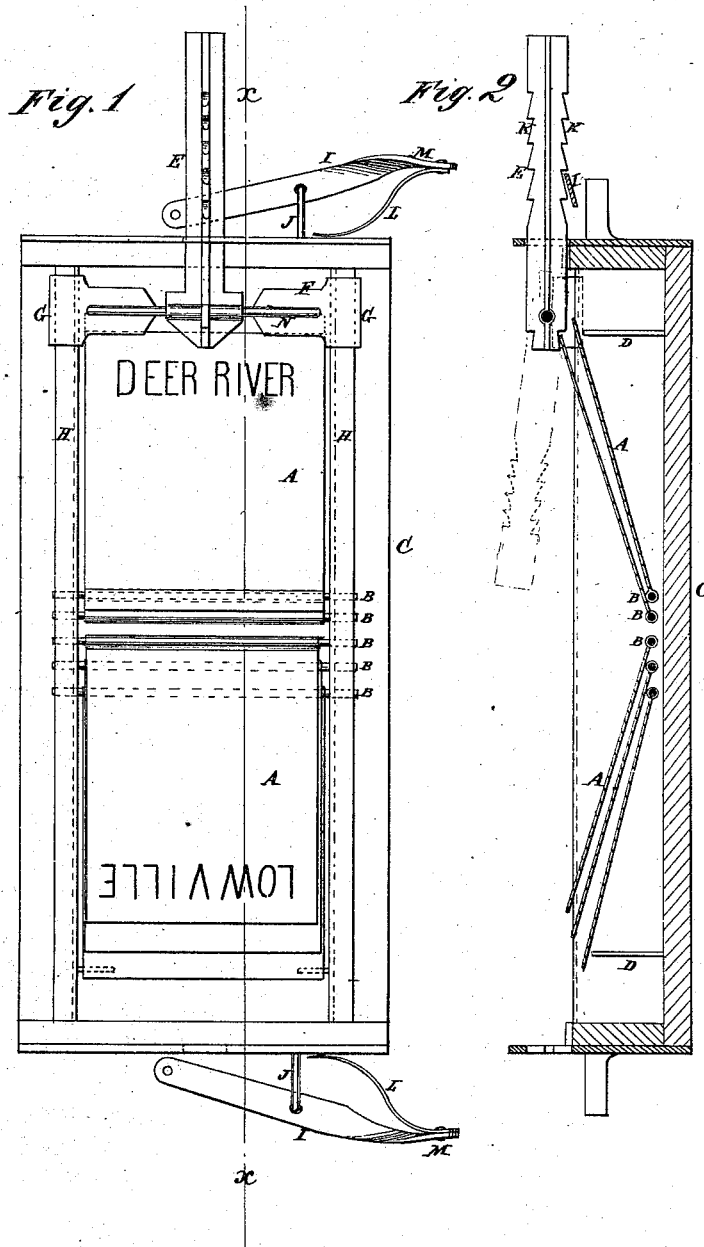


J. D. SMITH.
Station-Indicator.

No. 161,171.

Patented March 23, 1875.



WITNESSES:

A. W. Hingvold
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INVENTOR:

BY

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mmu

ATTORNEYS.

UNITED STATES PATENT OFFICE

JAMES D. SMITH, OF GREGG, NEW YORK.

IMPROVEMENT IN STATION-INDICATORS.

Specification forming part of Letters Patent No. **161,171**, dated March 23, 1875; application filed April 11, 1874.

To all whom it may concern:

Be it known that I, JAMES D. SMITH, of Gregg, in the county of Lewis and State of New York, have invented a new and useful Improvement in Station-Indicators, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

In the accompanying drawing, Figure 1 is a front view. Fig. 2 is a longitudinal section of Fig. 1, taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

A represent a series of flaps or leaves, either square or oblong, which are hinged on the transverse wires B, in the middle of the case C. By means of stops D they are arranged in an inclined position, so that, when released by moving the bar E at the upper end of the case, they will fall over by their own gravity, aided by the spring which is given them by bearing against one of the transverse wires B of the adjacent back leaf. The bar E is attached to the slide F, which is confined to the case C by overhanging lips G G on the ways H H.

The flaps or leaves A are lettered, as seen in the drawing, "Deer River," being a station on the road, each other leaf or flap being lettered to indicate a station in the same manner. Business-cards, hand-bills, and other advertisements are placed on the leaves beneath the station.

The indicator is hung up at the forward end of each car, in plain sight of the passengers.

The leaves are released by the brakeman and allowed to fall by raising the bar E, the lower end of which receives one leaf at a time in a notch, as seen in Fig. 2. I is a spring-lever supported on the fulcrum J, the short end of which engages with ratchet-teeth K of the bar. L is the spring.

By pressing on the long end of the lever at M, the bar will be raised sufficiently to allow the first leaf to drop and admit the next one to the notch, and so on, as the stations are passed. At the end of the route, or at the commencement of the back trip, the indicator is turned end for end, the same stations being printed on the opposite sides of the leaves. The bar E on the slide F is reversed on the wire N, and the slide F moved to the other end of the case, where there is another spring-lever by means of which the same operation is repeated.

I do not confine myself to the particular manner described for releasing the leaves, but prefer the arrangement shown.

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

The reversible notched bar E, reciprocating slide F, flaps A, and spring-lever I, combined in an indicator, as and for the purpose specified.

JAMES D. SMITH.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.