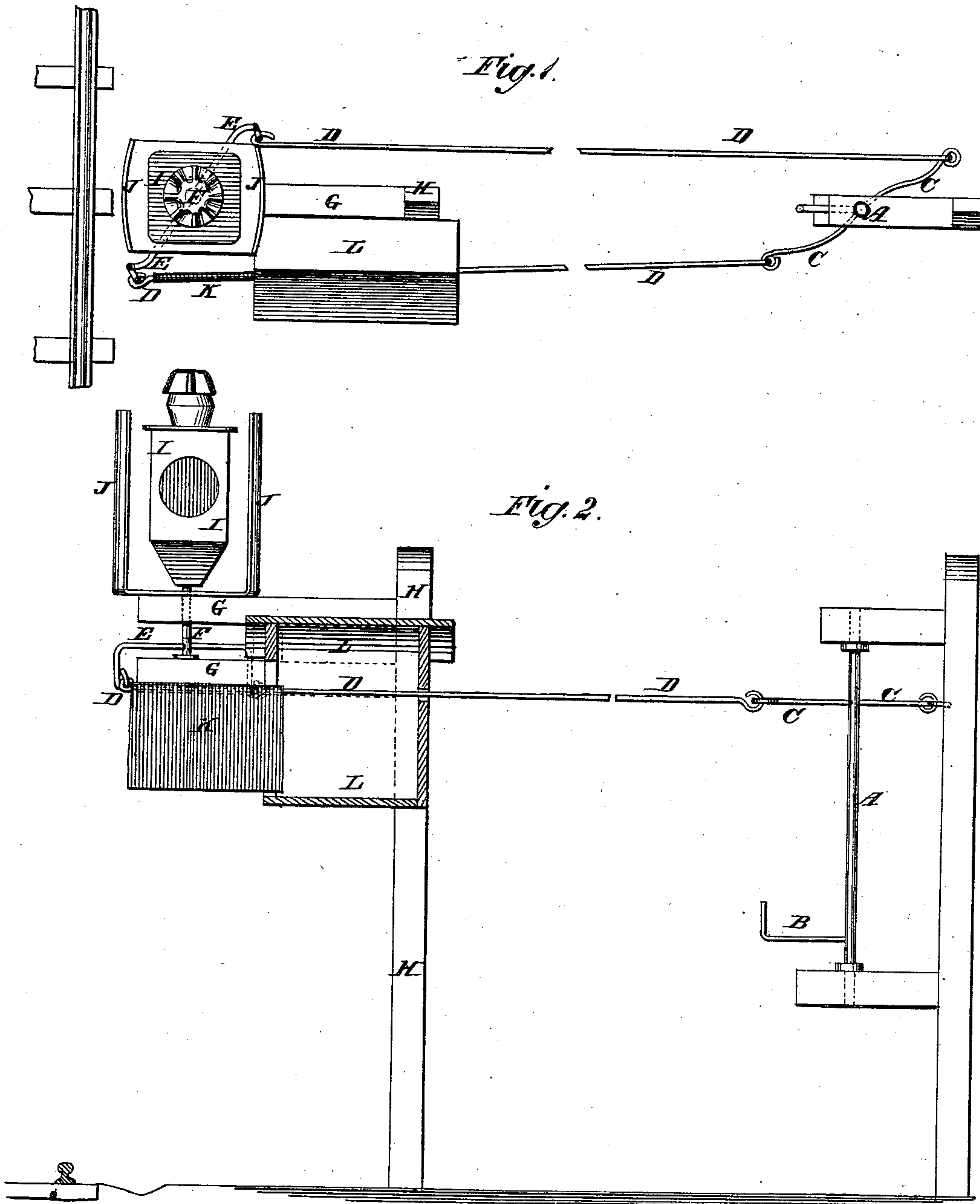


C. & F. HAISE.  
RAILROAD SIGNAL.

No. 190,213.

Patented May 1, 1877.



WITNESSES:

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INVENTORS.

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# UNITED STATES PATENT OFFICE.

CHARLES HAISE AND FRANK HAISE, OF ATLANTA, ILLINOIS.

## IMPROVEMENT IN RAILROAD-SIGNALS.

Specification forming part of Letters Patent No. **190,213**, dated May 1, 1877; application filed January 19, 1877.

*To all whom it may concern:*

Be it known that we, CHARLES HAISE and FRANK HAISE, of Atlanta, in the county of Logan and State of Illinois, have invented a new and useful Improvement in Railroad-Signaling, of which the following is a specification:

Figure 1 is a top view of our improved device. Fig. 2 is a side view of the same, partly in section, to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device to enable an approaching train to be signaled from the office, so that there may be no delay in making the signals when promptness is necessary.

The invention will first be described in connection with drawing and then pointed out in the claim.

A is a standard, which is designed to be pivoted to some suitable support in the office, and near the telegraph instrument. To a convenient part of the standard A is attached an arm or lever, B, to serve as a handle for operating it. To the upper part of the standard A is attached an equal-armed lever, C, to the ends of which are pivoted the ends of two wires or cords, D, the other ends of which are pivoted to another equal-armed lever, E. The lever E is attached at its center to a short standard, F. The standard F works in bearings in arms G, attached to a post, H, or in other suitable supports. To the upper end of the standard F is detachably attached a lantern, I, in two of the opposite faces of which are inserted plain or white glasses to show a

white light, and in the other opposite sides are inserted green glasses or glasses of other desired color. To the upper arm C, upon the sides of the lantern I toward and from the track, are attached shields J, so that the light will only be thrown up and down the track. The wires and levers are so arranged that the lantern can be turned through a quarter of a revolution, so as to show a white or a colored light, as may be necessary.

To one of the wires, D, near the end of the lever E, is attached a flag, K, of the same color as the colored glass of the lantern I, and to the post H, or to some other suitable support, is attached a box or cover, L, through which the wire D passes, and which is of such a size as to receive the flag K and conceal it, so that by operating the lever B the flag K may be exposed to or withdrawn from view, as may be desired.

The lantern I is intended for night and the flag K for day signaling.

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

The combination of the two pivoted standards A F, the two equal-armed levers C E, the two connecting-wires D D, the hand-lever B, the flag K, and the box or cover L, with each other, substantially as herein shown and described.

CHARLES HAISE.  
FRANK HAISE.

Witnesses:

F. L. CAPPS,  
JOHN A. Hobb.