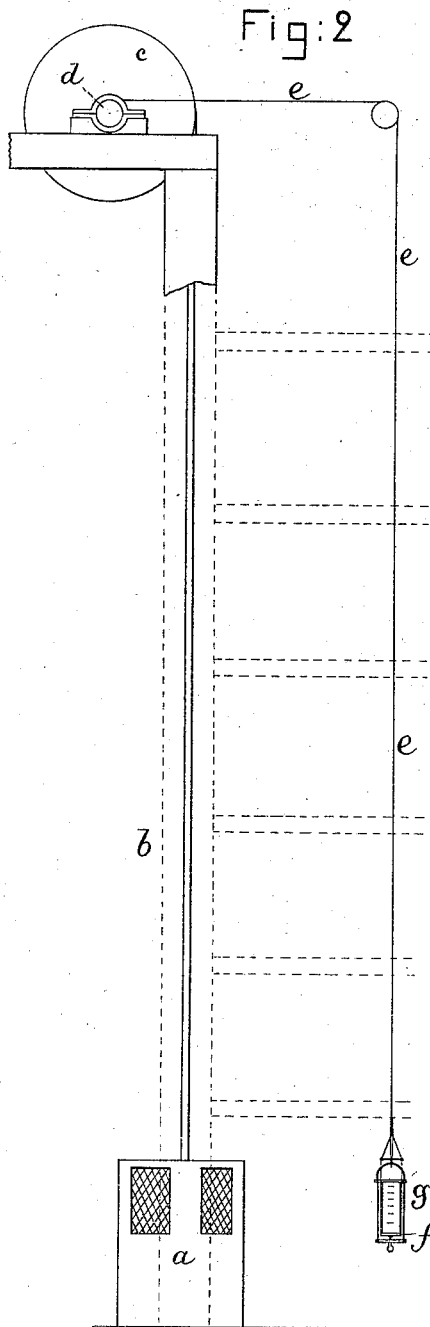
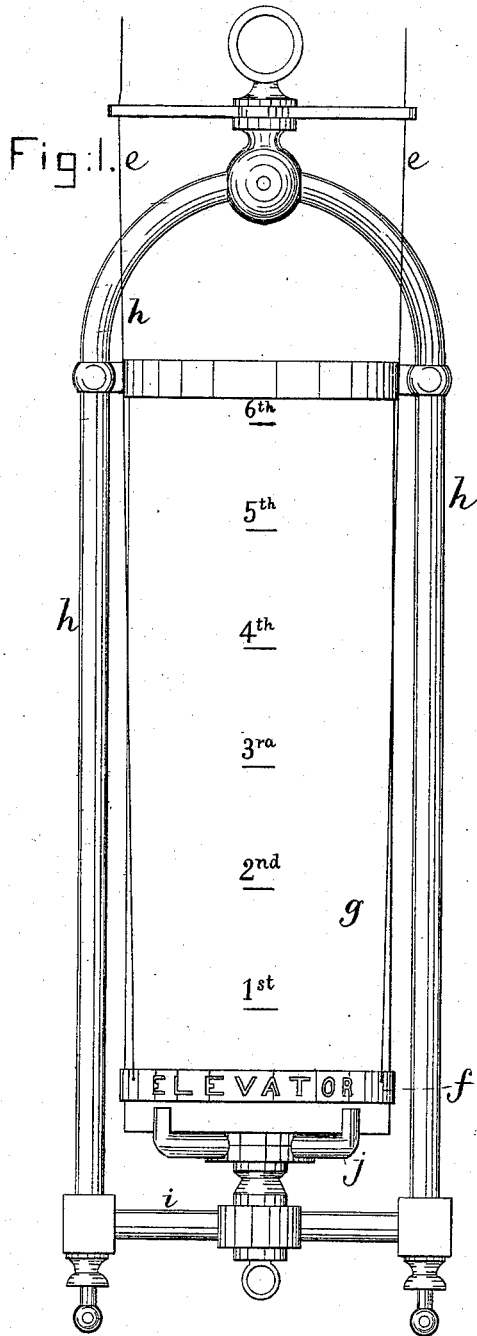


C. WHITTIER.
Elevator-Indicator.

No. 219,047.

Patented Aug. 26, 1879.



Witnesses,
Jos. P. Livermore
L. F. Connor.

Inventor.
Charles Whittier.
By Crosby Gregory Atty

UNITED STATES PATENT OFFICE.

CHARLES WHITTIER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO
WHITTIER MACHINE COMPANY, OF SAME PLACE.

IMPROVEMENT IN ELEVATOR-INDICATORS.

Specification forming part of Letters Patent No. **219,047**, dated August 26, 1879; application filed
June 25, 1879.

To all whom it may concern:

Be it known that I, CHAS. WHITTIER, of Boston, county of Suffolk, State of Massachusetts, have invented an Improved Elevator-Indicator, of which the following description, in connection with the accompanying drawings, is a specification.

This invention relates to an indicator for elevators.

In this my plan the indicator is made as a gas-fixture, and is placed in a hall or corridor near the elevator-entrance.

The glass shade of the indicator is marked to designate the number of landings of the elevator, and preferably of cylindrical form, and is surrounded by an indicating-ring connected by cords or wires with the winding-drum or other proper moving part of the car-moving apparatus, so that the said indicator-ring is caused to rise and fall at such speed proportioned to the size or length of the shade or glass part of the gas-fixture as will indicate upon the shade the position of the car with relation to the several landings, and also the direction of movement of the car up or down.

The indicating-ring will, preferably, be perforated or cut through to show back of it the illuminated shade, and consequently an illuminated word or words—as, for instance, "Elevator," or the name of the manufacturer or building.

Figure 1 represents, in front elevation, one of my improved illuminable elevator-indicators, and Fig. 2 one plan of connecting the indicating-ring thereof with a moving part of the elevator mechanism.

In the drawings I have considered it unnecessary to show an entire elevator mechanism, as that is not of the subject of this invention, as my indicating apparatus may be moved or set in motion by and be employed with any usual elevator mechanism.

In Fig. 2 I have shown a car, *a*, suspensories *b*, and winding drum or sheave *c*, of usual kind—as, for instance, as in United States Letters Patent No. 127,139, dated May 28, 1872.

The shaft of the drum *c*, as herein shown, is to have a pulley or winding-surface, *d*, enough smaller than the drum to receive upon

it and wind up suitable wires or cords *e*, attached to the indicating-ring *f* at proper points, so as to raise and lower or move it at the desired rate of speed with relation to the glass shade *g*, preferably translucent, or of white or ground glass, and the marks thereon, which correspond in number with the elevator-landings, as 1st, 2d, 3d, &c., are fully shown in Fig. 1, where the indicator is shown on a large scale and detached.

This indicator will be attached to a proper gas-pipe in a hall or corridor near the elevator-landing, and when the gas-burner inside of and the glass shade are lighted, the indicator, besides furnishing light for usual purposes, also acts to furnish an illuminated indicator, small and compact, and very attractive.

In many if not most instances elevators are placed in portions of buildings not freely penetrated by the sun-light.

The gas-fixture part of the indicator is designated by the letters *h i, j* being the holder for the cylindrical shade *g*.

In Fig. 1 I have shown the indicating-ring perforated to show the word "Elevator," making the indicator also serve the purpose of the usual sign to direct persons to the elevator; and, the letters being illuminated and frequently moving, the sign is made much more noticeable, and more readily attracts attention of persons in the said hall or corridor than if stationary and painted in the usual way for signs.

I do not broadly claim an elevator-indicator, for I am aware indicators for elevators have been placed in or near the so-called "well-room," and that a circularly-moving hand like the hand of a watch has been used in connection with a metal plate like a clock-face.

I am also aware that elevator-indicators have been provided with a fixed plate having the number of the floors marked thereon, and an index or hand moved over it by the motion of the elevator to indicate the locality of the elevator as it moves up and down in its well.

I am also aware that stenciled transparent or translucent signs are not new.

I claim—

1. An elevator-indicator composed of a transparent or translucent shade having a

graduated scale giving the number of the floors or landings, and adapted to be illuminated, substantially as described, in combination with a ring or plate arranged to travel over such scale and indicate thereon the location of the elevator, substantially as specified.

2. An elevator indicator composed of a translucent or transparent shade, provided or connected with illuminating means, and combined with a movable illuminable sign or advertising ring or plate, to indicate the location of the elevator in its well, substantially as shown and described.

3. The elevator-indicator described, consisting of a translucent or transparent graduated shade, *g*, an indicating ring or plate, *f*, illuminating-connections *h i j*, cords *e*, and shaft or pulley *d*, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES WHITTIER.

Witnesses:

G. W. GREGORY,
L. F. CONNOR.