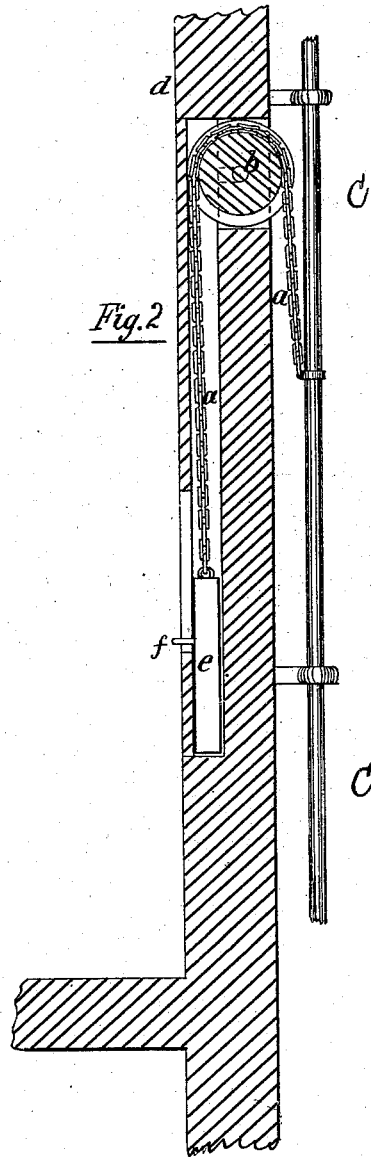
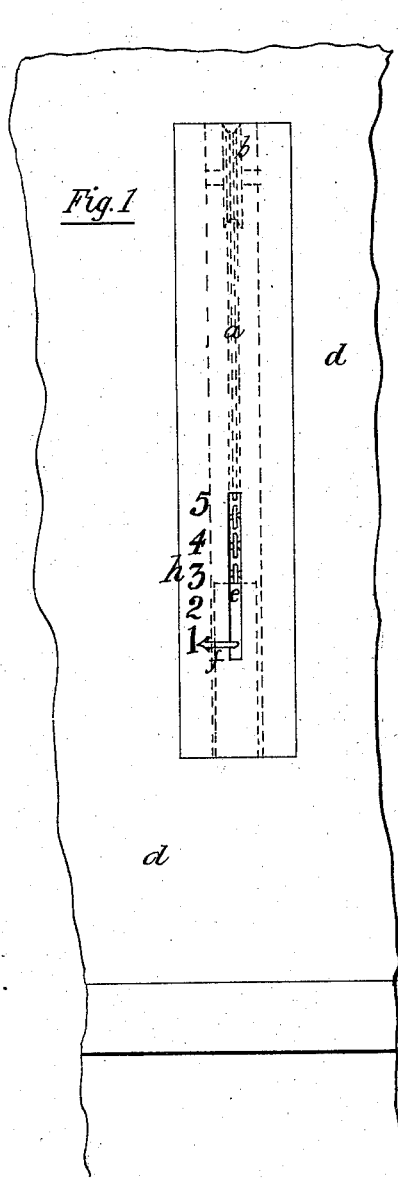


T. S. YOUNG.

INDICATORS FOR ELEVATORS.

No. 190,111.

Patented April 24, 1877.



Witnesses.

B. Stewell
James H. Hunter

Inventor.

T. S. Young

UNITED STATES PATENT OFFICE.

THOMAS S. YOUNG, OF NEW YORK, ASSIGNOR TO EDWARD A. NICHOLS,
OF YONKERS, N. Y.

IMPROVEMENT IN INDICATORS FOR ELEVATORS.

Specification forming part of Letters Patent No. 190,111, dated April 24, 1877; application filed
March 19, 1877.

To all whom it may concern:

Be it known that I, THOMAS S. YOUNG, of the city and county of New York, and State of New York, have invented a new and useful Improvement in Apparatus for Indicating the Position of Elevators; and I do hereby declare that the following is a full and correct description thereof, reference being had to the accompanying drawing.

The object of my invention is an improvement upon an invention described in Letters Patent of the United States No. 104,535, dated June 21, 1870, granted to W. S. Auchincloss, for apparatus for indicating the position of elevators, and reference is directed to the said Letters Patent for a more full description of such parts of its subject-matter, as may be hereinafter mentioned.

The indicator rod or cord C described in said Letters Patent, when situated within the passage-way of the elevator, is inconvenient, if not inaccessible, to the view of persons at the different landings or stopping-places of the elevator. On the other hand it is difficult, and involves great expense, to pass the cord C through the solid floors or iron buildings, in order to operate it in the hallway. I, therefore, attach a chain or cord to the said rod or cord C at a point conveniently near a landing, which chain is then carried through the wall near the doorway at the landing-place. The length of this chain will depend upon the area of motion of the rod C and the distance from the said rod C through the wall to the hallway. To the end of the chain I attach a weight, which serves to steady the motion of the chain.

This weight may have an arrow or other index placed upon it, and arranged in such form and manner as may suit the taste and convenience.

For the better working of said chain, I cause it to be run over one or more pulleys in its passage from the rod C to the hallway at a landing place of the elevator.

In the drawing, Figure 1 is a front elevation, and Fig. 2 is a vertical section.

a is a chain attached to the indicator rod or cord C, and running over the pulley *b* through the wall *d*. *e* is the weight attached to the chain *a*. *f* is an index placed upon the weight *e*. *h* is a scale, so graduated or lettered that the index *f*, on being moved by the rod C, will from time to time point to the letters on the scale, indicating the part of the building at which the elevator may be.

I claim—

1. The combination, with the indicator rod or cord C, attached to an elevator, of a weighted chain passing through the wall, and serving to indicate the position of the elevator, substantially in the manner herein shown and described.

2. The combination, with the indicator rod or cord C, attached to an elevator, of a weighted chain passing over one or more pulleys, and serving to indicate the position of the elevator, substantially in the manner herein shown and described.

T. S. YOUNG.

Witnesses:

K. NEWELL,
JAMES H. HUNTER.