(No Model.)

E. SCHOLLIAN & T. KAVANAUGH, Jr.

ELEVATOR.

No. 364,863. Patented June 14, 1887.

Fig. 1.

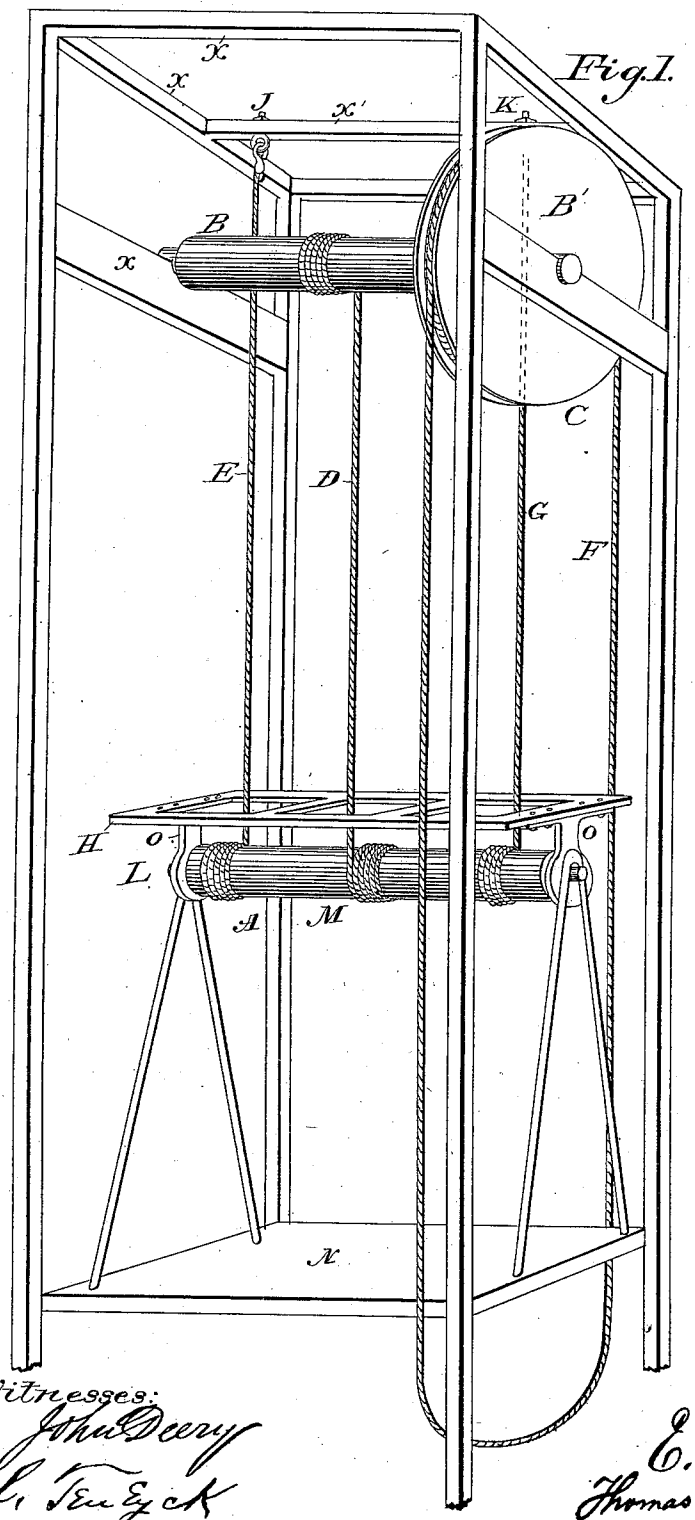
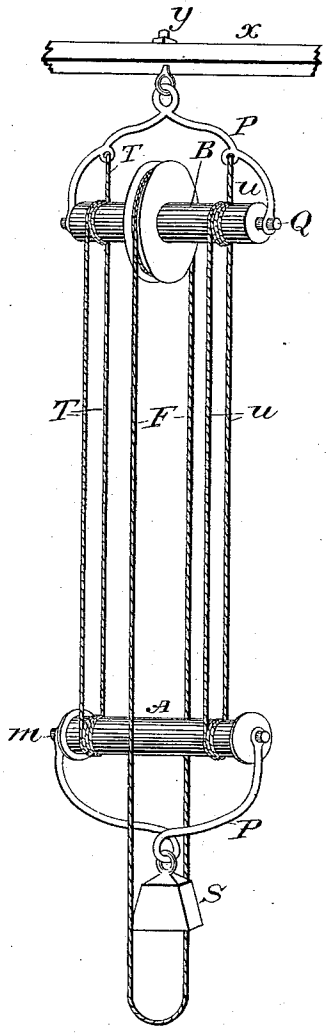


Fig. 2.



Witnesses:
John Deery
L. Teuscher

Inventor:
E. Scholliam
Thomas Kavanaugh Jr

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

EMANUEL SCHOLLIAN AND THOMAS KAVANAUGH, JR., OF DUBUQUE, IOWA.

ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 364,863, dated June 14, 1887.

Application filed February 16, 1887. Serial No. 227,835. (No model.)

To all whom it may concern:

Be it known that we, EMANUEL SCHOLLIAN and THOMAS KAVANAUGH, Jr., of Dubuque, county of Dubuque, and State of Iowa, have jointly invented certain new and useful Improvements in Store and Passenger Elevators, of which the following is a full and complete description, to be taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of the elevator in position for use, and Fig. 2 is a perspective view of a modified form of elevator.

In Fig. 1 of the drawings, *x x'* represents the frame-work, in which is journaled an ordinary windlass, B B', operated by a hand-rope, F.

N is the cage or platform on which the weight to be lifted is placed, and in the top of said cage is journaled a roller, M. A rope, D, is wound upon the windlass B and in a contrary direction upon the roller M, the end of the rope being secured to the roller. Two ropes, E and G, are also attached to the roller M, and after being wound about said roller are carried up and secured to the top of the frame or to the ceiling.

The modification shown in Fig. 2 differs from the construction above described only in the organization of the parts by which a portable lifting device is formed and in the fact that the cords T M are substituted for the cords D E G, as used in Fig. 1. In Fig. 2 the windlass B is journaled in a metal frame, which may be supported in any suitable way, the bull-wheel being located between the two parts of the axle on which the lifting-cords T and U are wound, forming a double windlass, and the roller is pivoted in a metal frame, to which the weight may be attached. The principle of the two forms shown is the same.

Having fully described our invention, what we claim as new, and desire to secure by Letter Patent, is—

1. The combination of a support, a windlass journaled in said support, a weight-supporting frame having a roller pivoted therein, and rotated by a cord-connection with said windlass, and cords wound about the roller and secured at their ends to the support, and all operating substantially as set forth.

2. The combination of a support, a windlass journaled in said support, a hand-rope for operating said windlass, a weight-support having a roller journaled therein and extending entirely across the same and rotated by a cord-connection with said windlass, and cords wound upon said roller at each side of the center and having their ends carried up and secured to the support, substantially as set forth.

3. The combination of a frame provided with means for securing it to a support, a double windlass pivoted in said frame and having the bull-wheel at the center of the axle, a hand-cord for operating the windlass, a weight-supporting frame having a roller journaled therein, and cords operated by the double windlass, wound about said roller and secured at their ends to eyes on the windlass-frame, substantially as set forth.

EMANUEL SCHOLLIAN.
THOMAS KAVANAUGH, JR.

Witnesses:
JOHN DEERY,
L. P. TEN EYCK.