(No Model.)

F. A. CORTIS.

TRANSOM LIFTER.

No. 291,695. Patented Jan. 8, 1884.

Fig. 1.

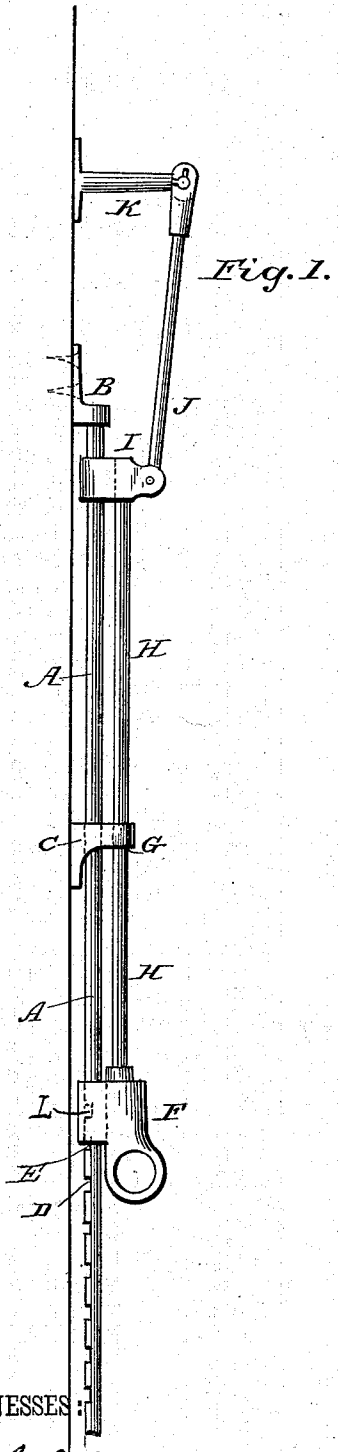


Fig. 2.

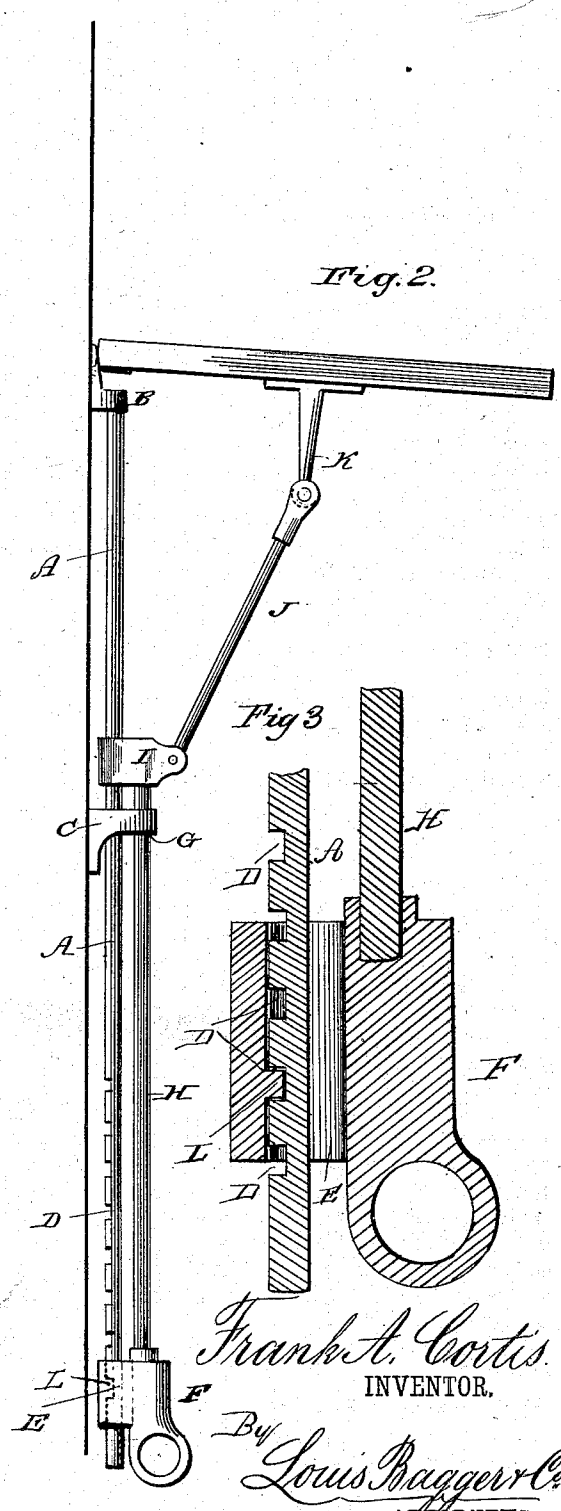


Fig 3

WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANK A. CORTIS, OF MERIDEN, CONNECTICUT.

TRANSOM-LIFTER.

SPECIFICATION forming part of Letters Patent No. 291,695, dated January 8, 1884.

Application filed September 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANK A. CORTIS, of Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Transom-Lifters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of my improved transom-lifter, showing the transom closed. Fig. 2 is a similar view of the same, showing the transom open; and Fig. 3 is a vertical sectional view of the handle or catch.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to transom-lifters; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates a metallic rod, secured at its upper end in a socket-piece, B, fastened upon the door-frame or wall, and passing through another socket-piece, C, secured a distance below the upper socket-piece, while the lower portion of the rod, which is free, has a number of notches, D, upon the side facing inward. A block or casting, I, having a vertical perforation, slides upon the upper portion of the rod between the two socket-pieces, and the upper end of a rod, H, is secured to the block, while a connecting-rod, J, hinged at its upper end to an arm, K, projecting from the transom, is hinged at its lower end to the outer end of the said block. The rod H slides in a vertical perforation, G, in the outer end of the lower socket-piece, and is provided at its lower end with a handle, F, having a vertical perforation, E, oblong in cross-section, which slides upon the lower free and notched end of the guide-rod. The side of the perforation nearest to the wall is provided with a projection, L, of a shape corresponding to the shape of the notches in the guide-rod, and the tension of the lower end of the sliding rod H serves to keep the projection engaging one of the notches, while by pressing the handle in toward the wall the projection may be disengaged from the notch and the sliding rod allowed to be slid up or down until the transom is adjusted in its desired position, when the springiness of the sliding rod will force the handle outward, allowing the projection to engage a notch which will hold the handle, and through it the sliding rod and transom in position.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of a guide-rod having its lower free end notched, an upper bracket or socket-piece securing the upper end of the guide-rod, a bracket or socket-piece having two vertical perforations securing the guide-rod a distance from its upper end in the inner perforation, a sliding spring-rod having a vertically-perforated block at its upper end sliding upon the upper end of the guide-rod, a transom-operating rod hinged to the sliding block, and a handle secured to the lower end of the sliding spring-rod, having a perforation oblong in cross-section, and provided with a projection upon its inner side, and sliding upon the lower end of the guide-rod, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

FRANK A. CORTIS.

Witnesses:

A. L. OTIS,

JAMES P. ROYDEN.