(No Model.)

J. M. OVERELL.

TRANSOM LIFTER.

No. 335,086. Patented Jan. 26, 1886.

Fig. 1

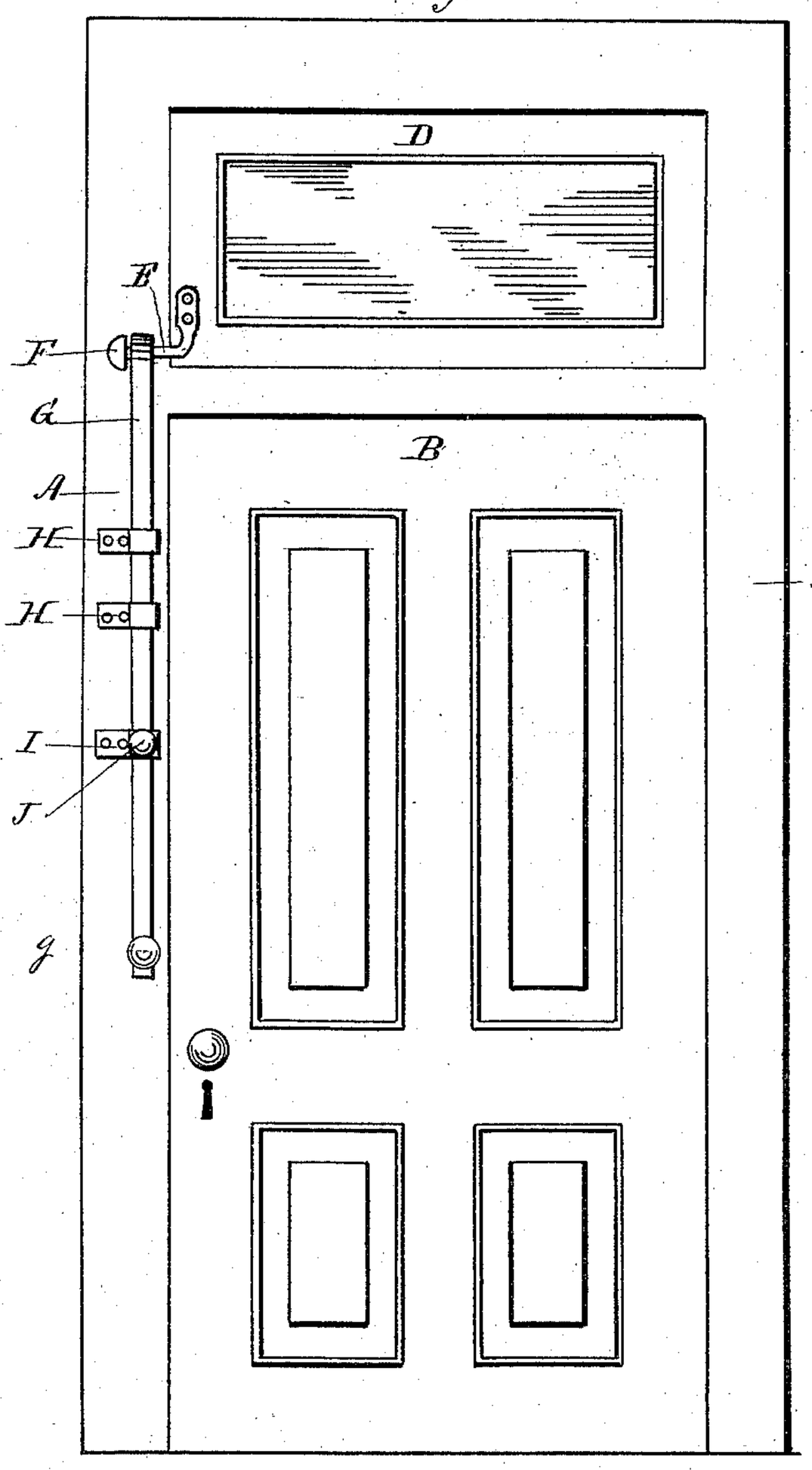


Fig. 7.

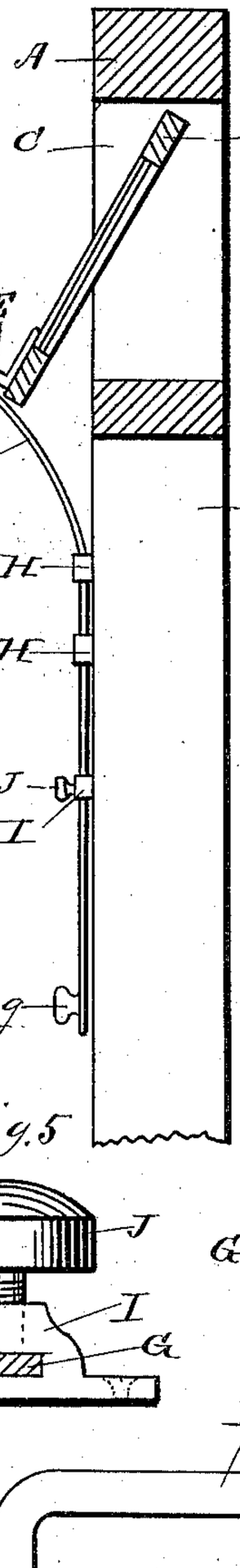


Fig. 4

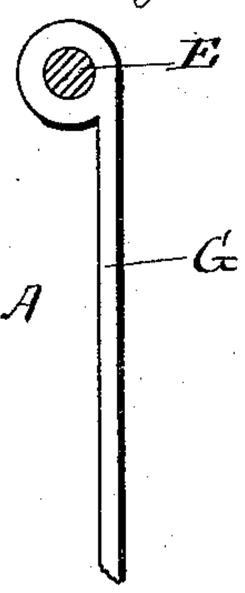


Fig. 3

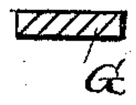
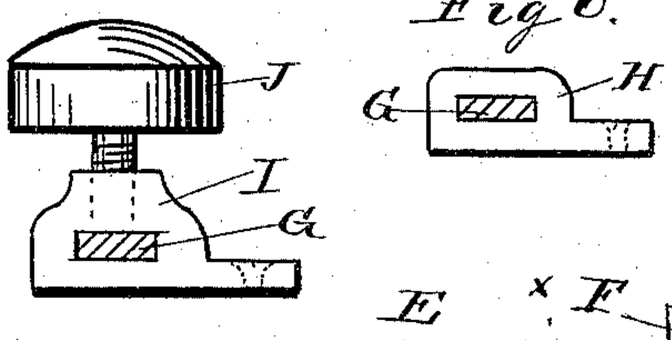


Fig. 5

Fig. 6.



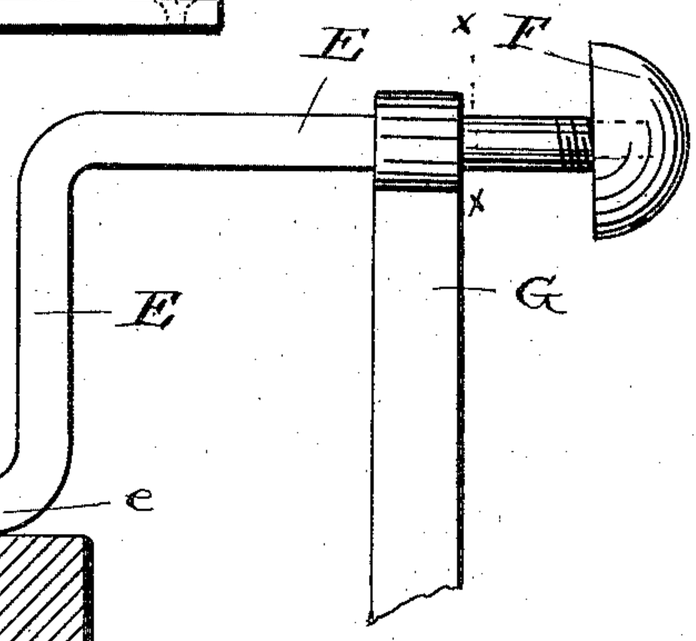
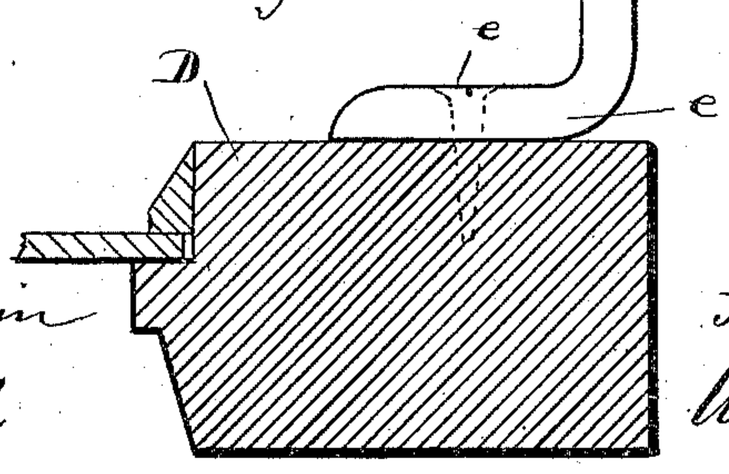


Fig. 2.



WITNESSES

Morton Poulmin

Edwin L. Bradford

INVENTOR

Joseph M. Overell

W. P. Leonard

Attorney

UNITED STATES PATENT OFFICE.

JOSEPH M. OVERELL, OF EVANSVILLE, INDIANA.

TRANSOM-LIFTER.

SPECIFICATION forming part of Letters Patent No. 335,086, dated January 26, 1886.

Application filed December 9, 1885. Serial No. 185,127. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH M. OVERELL, a citizen of the United States, residing at Evansville, in the county of Vanderburgh, State of Indiana, have invented certain new and useful Improvements in Transom Lifters and Locks, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in transom lifters and locks, and has for its object to provide simple and cheap means for lifting and locking in any position transoms hung on pivots or hinges. This object is attained by the mechanism illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a front view of a door provided with this device. Fig. 2 is an enlarged detail view showing part of the sash of a transom in section, the bracket attached thereto, and a part of the spring-rod whereby the transom is opened or shut and held in any desired position. Fig. 3 is a transverse section of the spring-rod. Fig. 4 is a transverse section of the bracket on the line *x x* of Fig. 2, with a portion of the spring-rod attached thereto. Fig. 5 is a plan view of a clip or guide, showing the position of the spring-rod in section and a binding or locking thumb-screw. Fig. 6 is a plan view of a clip or guide and transverse section of the spring-rod therein. Fig. 7 is a sectional view of a part of a door-frame and transom partly open.

The letter A indicates the door-casing. B is the door. C is the opening for the transom. D is the frame of the transom. E is a bracket of a shape approximating that of a crank, one portion of which, *e*, is flattened, so as to fit snugly down upon the frame of the transom, to which it is secured in any suitable manner, preferably by one or more screws, *e'*. The outer end of the bracket is screw-threaded and provided with a nut, F, which is intended to prevent the spring-rod G from slipping off the end of the bracket E, which is of rounded form to receive the spring-rod G. This rod G is to be made of steel or of other suitable material, and has a circular opening at its upper end to receive the end of the bracket E, and is carried in a downward direction through the openings in the guides or clips H, which are secured to the door-casing in any suitable manner, and of which there may be one or more. The outer side of the lower portion of the spring-rod G may or may not have a roughened (file) surface. It is passed through an opening in the clip or guide I, and its lower extremity is turned up or may have a knob attached at *g* to form a handle, by means of which it may be more easily raised or lowered. The roughened surface is to present greater friction and holding-power when the thumb-nut J (of the clip I) is screwed down, for the purpose of maintaining the spring-rod G in any particular position. The rod G may have its lower portion made of one kind of metal and the upper or spring portion of another, secured to each other by welding, or in any other convenient manner.

Having described my invention, what I desire to secure by Letters Patent and claim is—

1. The combination of a transom frame and crank shaped bracket with a spring-rod passing through guides attached to the door-frame, one of which is provided with a thumb-nut, substantially as described, and for the purposes set forth.

2. The combination of a transom-frame and crank-shaped bracket with a rod having its upper portion made of spring and its lower portion of stiff metal, the said rod passing through guides attached to the wood-work of a building, one of said guides being provided with a thumb-nut.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH M. OVERELL.

Witnesses:
WM. H. GUDGEL,
W. P. LEONARD.