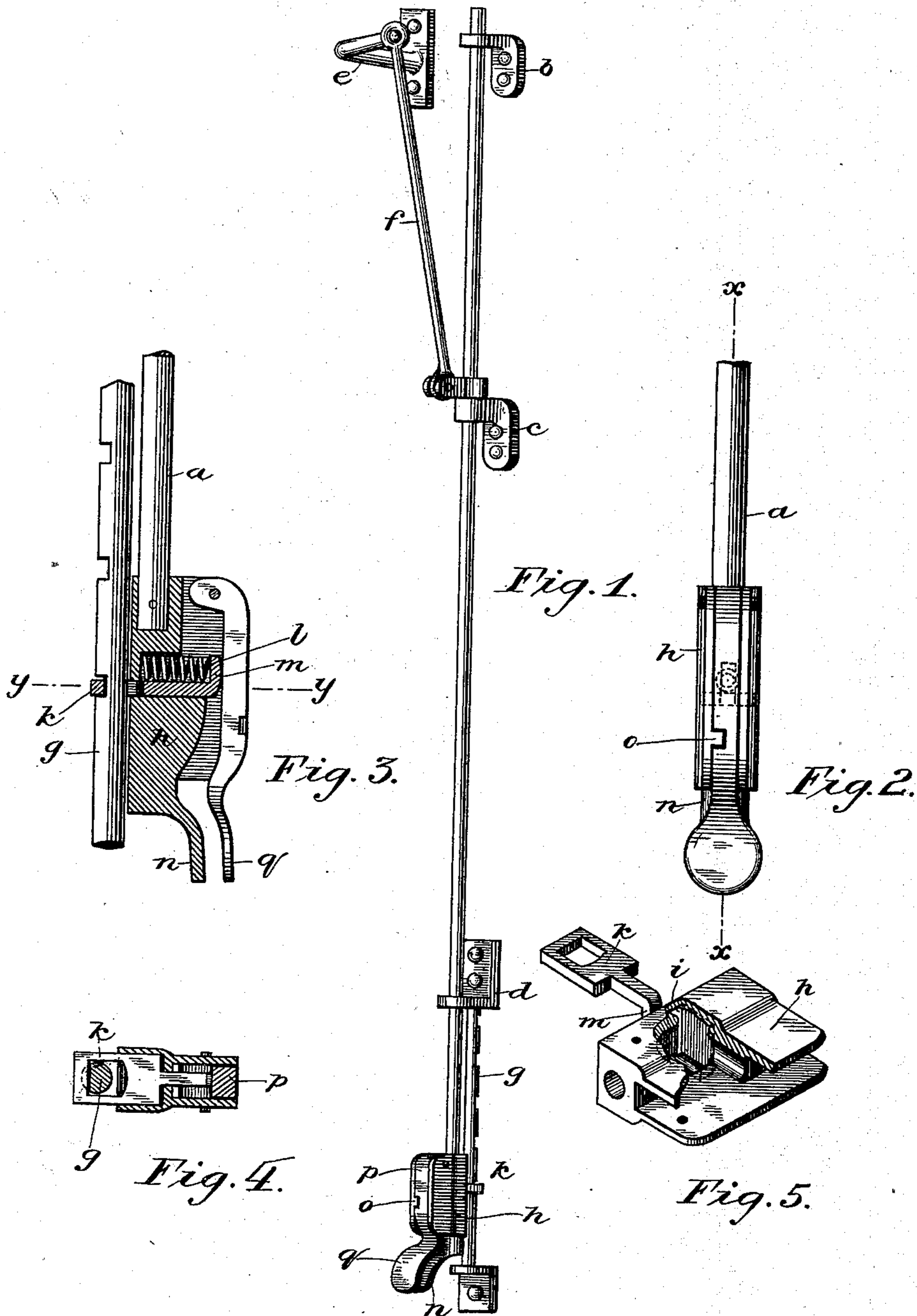


(No Model.)

L. MOUAT, Jr.
TRANSOM LIFTER.

No. 413,327.

Patented Oct. 22, 1889.



Witnesses.
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UNITED STATES PATENT OFFICE.

LAURENCE MOUAT, JR., OF CHICAGO, ILLINOIS.

TRANSOM-LIFTER.

SPECIFICATION forming part of Letters Patent No. 413,327, dated October 22, 1889.

Application filed May 7, 1889. Serial No. 309,941. (No model.)

To all whom it may concern:

Be it known that I, LAURENCE MOUAT, JR., a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Transom-Lifters, (Case 1,) of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part
10 of this specification.

My invention relates to transom-lifters which are designed to be operated by a single hand to open or close the transom and lock the same in any position desired.

15 My invention relates more particularly to the locking device which I have mounted upon the lower end of the lifting-rod. The construction of this locking device is such that one by simply grasping the same between the thumb and forefinger may release
20 the rod, so that it may be raised or lowered to bring the transom to any position desired, whereupon by simply raising the thumb while holding the forefinger under the finger-piece
25 of the locking device the rod will be automatically and positively clamped in position.

My invention consists, first, in the lifting-rod with the lock mounted thereon and a fixed bar, preferably provided with notches,
30 with which bar the locking device is adapted to be engaged to hold the rod, and hence the transom, in any position desired; second, in the frame of the locking device, provided with a slot for the latch, said latch consisting of a loop surrounding a fixed bar, in combination
35 with a spring for normally holding the latch in engagement with the bar, and a thumb-lever pivoted to the frame and adapted to be pressed against the anvil or bearing provided
40 upon the latch to disengage the latch from the bar; and, third, my invention consists in the locking device having the slotted frame provided with a finger-piece, the lever pivoted to the frame and provided with the
45 thumb-piece, and the spring latch or clamp mounted in the slot and adapted to engage with an upright bar provided with notches at different positions thereon and to be unclamped therefrom when the lever is forced
50 against said clamp.

My invention will be more readily under-

stood by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of a transom-lifter embodying my invention. Fig. 2 55 is a front elevation of the lower portion of the lifting-rod and the locking device thereon. Fig. 3 is a sectional view upon line *xx* of Fig. 2. Fig. 4 is a sectional view upon line *yy* of Fig. 3. Fig. 5 is a detailed perspective view 60 of the frame of the locking device, a portion thereof being broken away to show the shape of the slot and central opening for holding the spring-clamp, the latch forming a part of the spring-clamp being in position to be in- 65 serted in the slot.

Like parts are indicated by similar letters of reference throughout the different figures.

The lifting-rod *a* is adapted to be moved up and down through guides *b c d*. Between 70 the standard *e*, which is secured to the transom, and the upper portion of the rod *a* is pivoted the link or lever *f* in the usual manner. Upon the lower end of the rod *a* is secured the locking device, which is adapted 75 to clasp or engage with the fixed bar *g*, which bar is preferably provided with notches, as shown. The frame *h*, which may be a brass casting, is provided with a slot *i* and a recess or opening, which slot and opening 80 contain the spring-clamp, in this instance consisting of the piece or latch *k* and the coil-spring *l* compressed under the projection or lug *m* of said latch. This spring *l* by its expansion holds the latch pressed against the 85 bar, and preferably in one of the notches of the bar, as shown most clearly in Figs. 3 and 4. The slot and opening of the frame are of such shape that the lug *m* may be inserted through the slot a short distance, and then 90 turned so as to bring the rear portion of the latch in position to be admitted into the slot. The frame is provided, preferably, with the finger-piece *n* and a lug *o*, which lug *o* serves to keep the pressure-lever *p* in place. 95 This pressure-lever is provided with a thumb-piece *q*, so that the lever may be conveniently compressed, when desired, against the spring-clamp, so as to unlock the lifting-rod from the bar *g*. 100

It will be observed that the bar *g* is secured rigidly in place and parallel with the lifting-

rod *a*, the upper end of bar *g* being preferably secured to the lower guide *d*. The user on simply pressing upon the thumb-piece of the lever unlocks the rod *a* from the bar *g*, and is then free to move the said lifting-rod to open or close the transom, as desired.

My invention admits of various modifications which would readily suggest themselves to those skilled in the art, and I therefore do not limit myself to the details of construction shown.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The frame of the locking device, provided with a slot for the latch of the same, said latch consisting of a loop which surrounds a fixed bar, in combination with a spring placed in the opening in said frame and normally pressing against the latch to hold the same in engagement with the bar,

and a thumb-lever pivoted to the frame and adapted to be pressed against the anvil or bearing provided upon the latch to disengage the latch from the bar.

2. The locking device having the slotted frame, which frame is provided with a finger-piece *n*, in combination with the lever pivoted to the frame and provided with the thumb-piece *q* and the spring-clamp mounted in the frame and adapted to engage with notches at different positions thereon, said clamp being released on pressing upon the thumb-piece to force the lever against the lug *m* to compress the spring *l*, substantially as and for the purpose specified.

In witness whereof I hereunto subscribe my name this 4th day of May, A. D. 1889.

LAURENCE MOUAT, JR.

Witnesses:

C. G. HAWLEY,
GEO. R. PARKER.