

(No Model.)

W. H. TAYLOR,
TRANSOM LIFTER.

No. 567,205.

Patented Sept. 8, 1896.

Fig. 1.

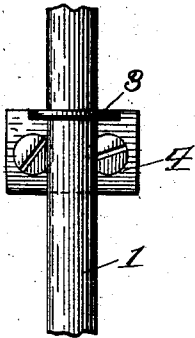


Fig. 3.

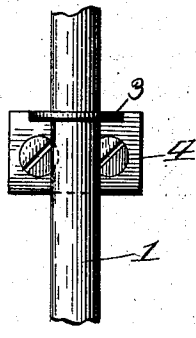


Fig. 5.

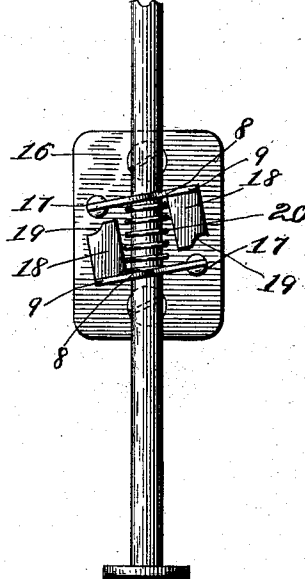
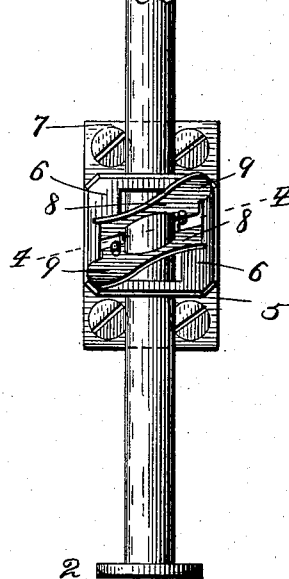
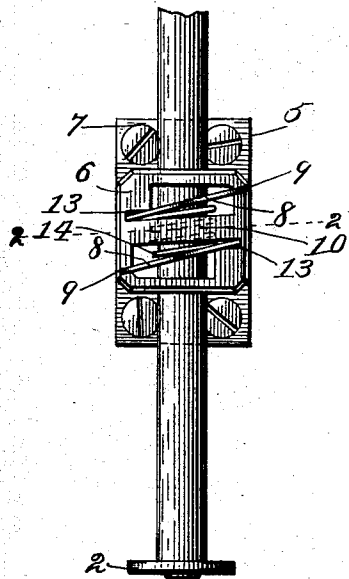
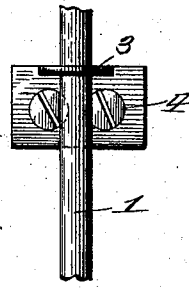


Fig. 2.

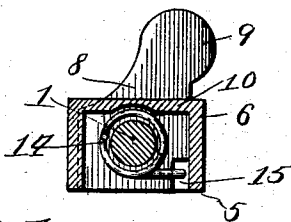


Fig. 4.

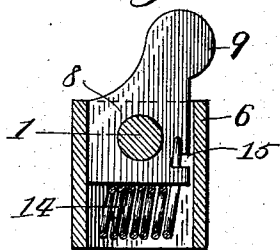
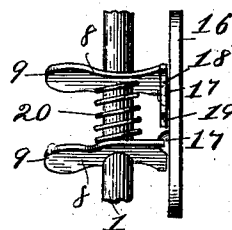


Fig. 6.



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UNITED STATES PATENT OFFICE.

WARREN H. TAYLOR, OF STAMFORD, CONNECTICUT, ASSIGNOR TO THE
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TRANSOM-LIFTER.

SPECIFICATION forming part of Letters Patent No. 567,205, dated September 8, 1896.

Application filed December 7, 1895. Serial No. 571,419. (No model.)

To all whom it may concern:

Be it known that I, WARREN H. TAYLOR, a citizen of the United States, residing at Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Transom-Lifters, of which the following is a specification.

My invention relates to an improvement in transom-lifters; and it is composed of a suitable attaching-base carrying a pair of thumb-pieces through which the rod passes and which are so secured at one end as to swing on an axis or axes perpendicular to the base and a spring which forces the thumb-pieces out of parallelism and causes them to bind upon the push-rod. The thumb-pieces are provided with outwardly-extending ears, so that when pressure is applied to them they are brought in parallel planes, so that the push-rod can be moved easily through them.

In order that my invention may be fully understood, I will proceed to describe the same with reference to the accompanying drawings, in which—

Figure 1 is a front elevation of one form of my device. Fig. 2 is a detail sectional view taken on the line 2 2, Fig. 1. Fig. 3 is a front elevation of another form of my device, and Fig. 4 is a detail sectional view taken on the line 4 4. Fig. 5 is a front elevation of still another form of my device, and Fig. 6 is a detail side view of the form shown in Fig. 5.

In the said drawings, and referring more particularly to Figs. 1 to 4, 1 represents the push-rod, which is secured at one end to the transom in any preferred manner; 2, the push-plate, which is secured to the other end of the rod, and 3 guides which are secured by the flange 4 at any point on the door-frame.

5 represents a casting formed with the part 6, which extends outward from the attaching-flanges 7. The part 6 is designed to hold the thumb-pieces 8, which are provided with the outwardly-extending ears 9, and in Fig. 1 I have shown the part 6 formed with a cross-strip 10, which serves to bring the thumb-pieces in parallel planes when forced together. The thumb-pieces are placed in the casting in a vertical direction, so as to swing on an axis or axes perpendicular to the base, and an edge of each thumb-piece is placed in grooves 13, which are formed on opposite

sides of the casting, and they are held in the groove by means of a spiral spring 14, fitting around the rod 1 and having its end bent and fitting in a cut-out 15 in the thumb-piece. In both of the forms shown the cut-out 15 is formed in the side opposite the groove, and the tendency of the spring is to force the thumb-pieces into the groove and out of parallelism, so as to cause them to bind upon the rod 1. In Fig. 3, when the thumb-pieces are forced together, the ends of the spring bring them into parallel planes, and, as above stated, the cross-strip in the casting Fig. 1 brings the thumb-pieces in parallel planes in that form.

In Fig. 5 I do away with the casting and pivot the thumb-pieces directly to the attaching-base 16, as shown at 17. In this form, as in the other two, the thumb-pieces are provided with the outwardly-extending ears, and they are also provided with the projections 18, which are formed with the curved cut-out portion 19, which bears against the pivot-point opposite it when the thumb-pieces are brought together. This construction is to bring the thumb-pieces in parallel planes when forced together. The coiled spring 20, which bears at each end against the thumb-pieces, forces them out of parallelism, so as to cause them to bind on the rod 1.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

In a transom-lifter, the combination of a suitable base or push-rod, a pair of thumb-pieces, through which the push-rod passes, carried by said base and arranged to rotate on pivots which are placed at right angles to said base and at either side of said rod, a spring placed between the thumb-pieces for causing them to rotate on the axes and bind upon the push-rod, and suitable means located between the axis end of one thumb-piece and the free end of the other thumb-piece for limiting their movement and bringing them into parallelism to allow the rod to be pushed through them, substantially as shown and described.

WARREN H. TAYLOR.

Witnesses:

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