

(No Model.)

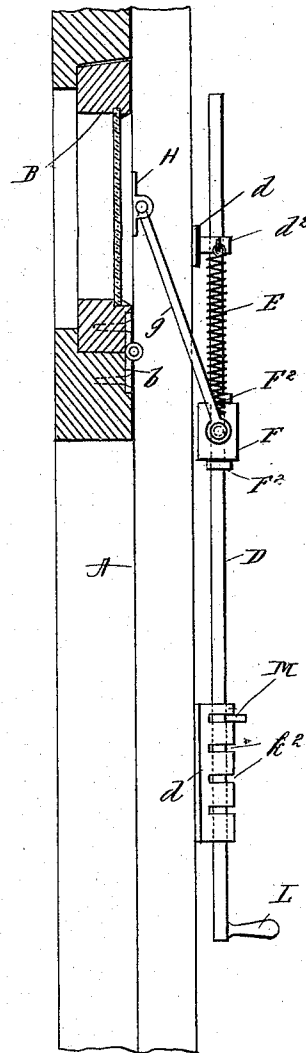
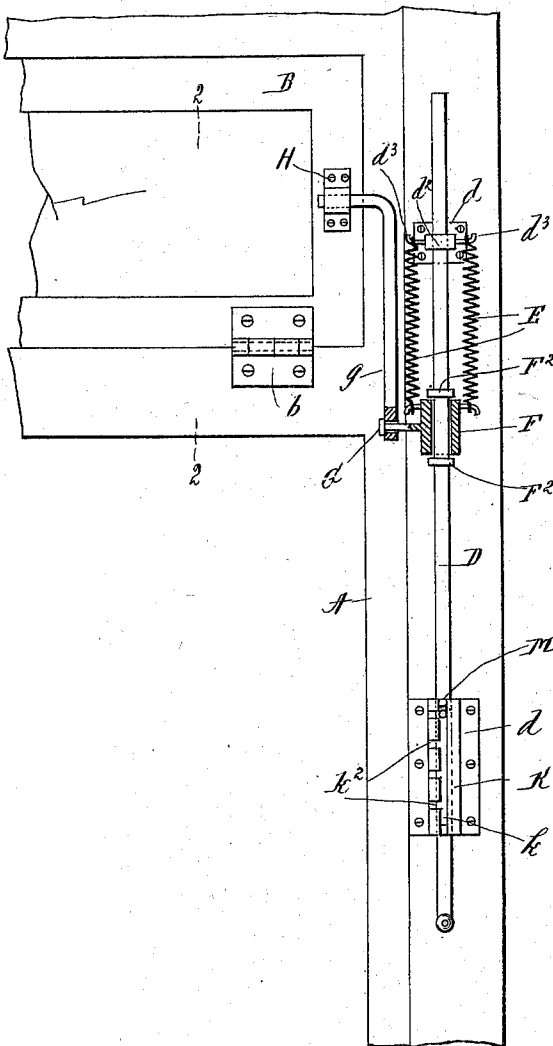
H. NEWMAN.
TRANSOM ADJUSTER.

No. 571,386.

Patented Nov. 17, 1896.

FIG. 1.

FIG. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HUGO NEWMAN, OF NEW YORK, N. Y.

TRANSOM-ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 571,386, dated November 17, 1896.

Application filed February 20, 1896. Serial No. 580,042. (No model.)

To all whom it may concern:

Be it known that I, HUGO NEWMAN, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Transom-Adjusters, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which
10 similar letters of reference indicate corresponding parts.

This invention relates to devices for adjusting the transoms of doors, and the object thereof is to provide an effective device of
15 this class which is simple in construction and operation and which is adapted to operate in connection with a hinged transom; and with this and other objects in view the invention consists in the construction, combination,
20 and arrangement of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

25 Figure 1 is a front view of a portion of a door-frame, showing also a transom and my improved adjusting mechanism, a part of the latter being shown in section; and Fig. 2, a section on the line 2 2.

30 In the drawings forming part of this specification, A represents a portion of the frame of a door, and B a transom which is hinged at the lower side, as shown at *b*, and in the practice of my invention I provide means for
35 adjusting the transom or for opening the same and holding it open at any desired angle or inclination, which consists of a vertically-movable rod D, which is connected with the side of the door-frame by keepers *d*. The
40 upper keeper *d* is preferably arranged opposite the end of the transom and is provided with a shoulder or projection *d*², through which the vertically-movable rod G passes, and said shoulder is provided with a hook or
45 projection *d*³ at each side thereof, with each of which is connected a spring E, and the lower ends of the springs E are connected with the tubular head F, which is mounted on the rod D and which is free to turn thereon,
50 said tubular head F being prevented from

longitudinal movement by annular shoulders F², which are formed on or secured to the rod D.

The tubular head F is provided with an arm G, which is pivotally connected with a crank-
55 lever *g*, which extends upwardly and the shorter end of which passes through a keeper H, which is secured to the frame of the transom, and the lower keeper *d*, through which the lower end of the rod D passes, is provided
60 with a tubular head K, in which is formed an oblong slot *k*, at one side of which are formed radial slots *k*², and said lower end of the rod D is provided with a handle L and also with a pin or projection M, which is secured thereto
65 or formed thereon at a predetermined distance above the handle and which is adapted to operate in the slots *k* and *k*².

The operation will be readily understood from the foregoing description when taken
70 in connection with the accompanying drawings and the following statement thereof.

Whenever it is desired to open the transom, the rod D is pulled downwardly and the transom B is opened on its hinges *b*, and by
75 turning the rod D the pin or projection M will enter one of the radial slots *k*² and thus securely hold the transom in the desired position. When it is desired to close the transom, the rod D is again turned so that the
80 pin or projection M will pass upwardly through the longitudinal slot *k*, and the rod D will be drawn upwardly by the springs E.

It will be understood that the tubular head K may be of any desired length and any preferred number of the radial slots *k*² may be employed, and I thus provide means for opening the transom to any desired extent and for holding it in any desired position.

This device is simple in construction and
90 operation and is perfectly adapted to accomplish the result for which it is intended, and it is evident that changes therein and modifications thereof may be made without departing from the spirit of my invention or
95 sacrificing its advantages, and I reserve the right to make all such alterations in and modifications of the construction herein described as fairly come within the scope of the invention.
100

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

5 The combination with a door-frame, of a transom which is hinged at one side and means for opening the same, and for holding it in any desired position, which consists of a vertically-movable rod which passes through keepers secured to the side of the door-frame, 10 said rod being provided with a tubular head which is mounted thereon, and with which is connected a crank-lever, one arm of which passes through a keeper secured to said transom, and means for operating said vertically-movable rod, which consists of a tubular bearing 15 formed on one of the keepers by which it is connected with the frame, and springs con-

nected with the upper keeper, and with the tubular head, said tubular bearing being provided with an oblong slot in the outer side 20 thereof, and with radial slots which communicate therewith, and said rod being provided with a pin and with a handle, the pin being adapted to operate in said slots, substantially as shown and described. 25

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 18th day of February, 1896.

HUGO NEWMAN.

Witnesses:

C. GERST,

C. G. MILLINS.