(No Model.)

B. G. LOWREY.

TRANSOM LIFTER.

No. 474,298. Patented May 3, 1892.

Fig. 1.

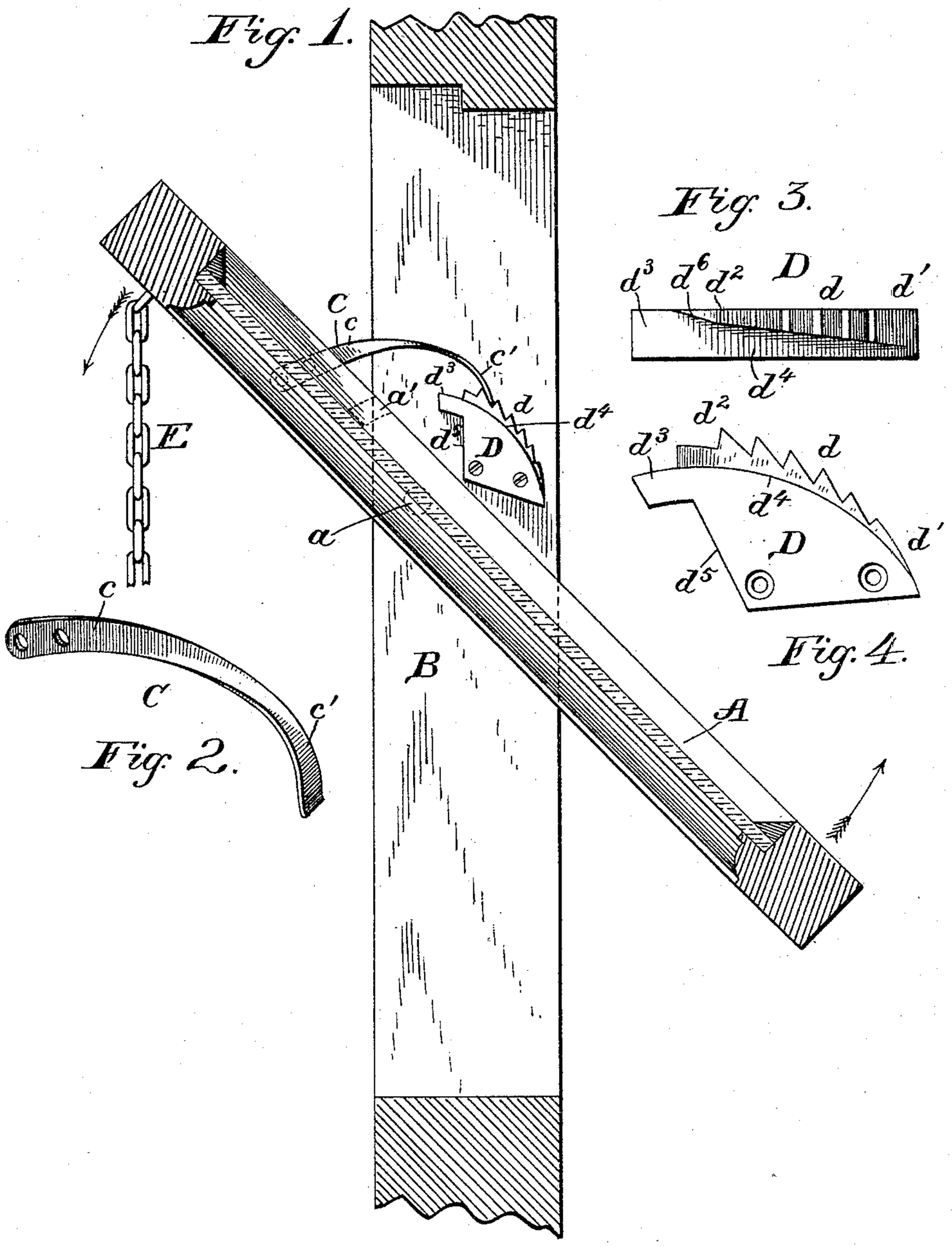

Fig. 3.

Fig. 4.

Fig. 2.

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UNITED STATES PATENT OFFICE.

BILL. G. LOWREY, OF BLUE MOUNTAIN, MISSISSIPPI.

TRANSOM-LIFTER.

SPECIFICATION forming part of Letters Patent No. 474,298, dated May 3, 1892.

Application filed March 22, 1892. Serial No. 425,905. (No model.)

To all whom it may concern:

Be it known that I, BILL. G. LOWREY, a citizen of the United States, residing at Blue Mountain, in the county of Tippah and State of Mississippi, have invented certain new and useful Improvements in Transom-Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to transom-fasteners; and its object is to provide a simple device by which the transom may be held at any desired angle.

Reference is had to the accompanying drawings, wherein the same parts are indicated by the same letters.

Figure 1 represents a vertical section at right angles to the transom. Fig. 2 represents a perspective view of the twisted catch-spring. Fig. 3 represents a plan view of the wedge-shaped rack, and Fig. 4 represents a side elevation of the same.

A represents the transom, pivoted at a and having a mortise a' cut in one side thereof to receive the tongue d^3 of the rack-piece D.

B represents the door-jamb.

C represents a spring, the upper end c of which is at right angles to the lower end c', the spring being twisted through ninety degrees. The rack-piece D has on its upper curved edge a number of teeth d, broader at the lower end d' and tapering toward the upper end d^2, as shown.

d^3 is a tongue protruding beyond the upper edge of the wedge-shaped teeth.

d^4 is a smooth inclined surface slightly below the bottom of the notches between the teeth.

The rack-piece D is preferably arranged so that the face d^5 is flush with the inner edge of the transom when it is closed.

The operation of the device is as follows: The transom being closed and it being desired to partially open it, the lower end of the transom is moved to the right, as shown in the figure, and the flat end c' of the spring C slides over the teeth d, and when the transom is let go holds it in the desired position. Should it be desired to close the transom, raise the lower end until it is nearly horizontal. This may be done by pulling down on the chain E, when the spring C will pass over the last tooth, and catching on the inclined surface d^6, when the transom is let go, will slide down the smooth surface d^4 as the transom assumes a vertical position. The tongue d^3 is provided to prevent the spring from dropping down and catching on the face d^5. It will be seen that the transom should be pivoted eccentrically, so that the greater weight of the portion below the pivot may cause it to assume the vertical position when free to do so.

It will be seen that by properly regulating the size of the rack-piece and its distance from the pivot the transom may be set at any desired angle and may be readily closed.

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

1. In a transom-fastener, the combination, with an arc-shaped rack having a plurality of teeth tapering, as described, on the outer edge thereof and next the door-jamb, and a smooth inclined surface at the side of said teeth, of a spring attached to the transom and adapted to catch in said teeth and slide down said inclined surface, substantially as described.

2. In a transom-fastener, the combination, with an arc-shaped rack having a plurality of teeth tapering, as described, on the outer edge thereof and next the door-jamb, and a smooth inclined surface at the side of said teeth, of a flat spring with its upper portion attached to the transom and the lower portion twisted to catch in said teeth and slide down said inclined surface, substantially as and for the purposes described.

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

BILL. G. LOWREY.

Witnesses:
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