

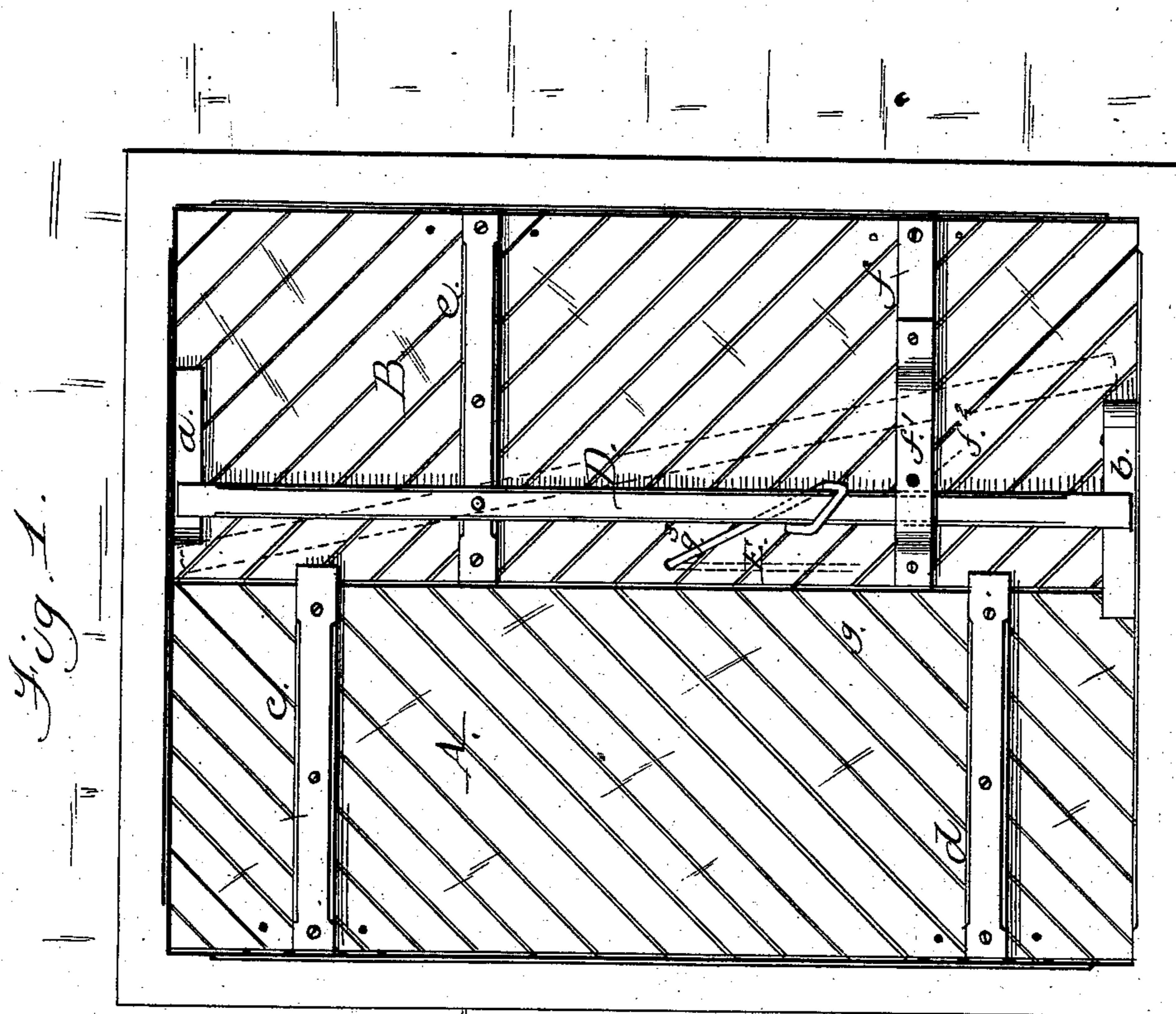
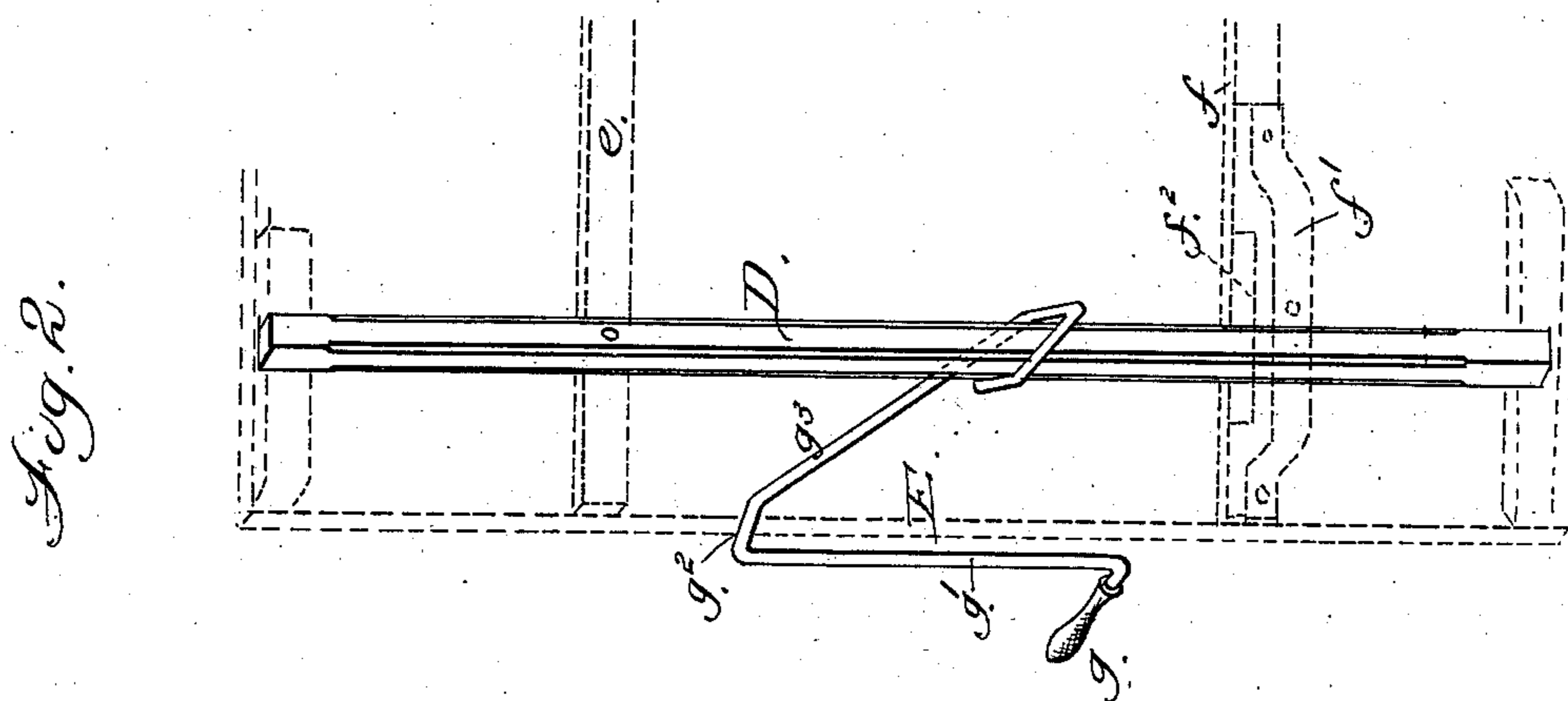
(No Model.)

J. E. BOZELL.

FASTENING DEVICE FOR DOORS.

No. 294,573.

Patented Mar. 4, 1884.



Witnesses;

Philetus Fowler,
M. Johnson.

Inventor;

John E. Bozell

Ernest Brown

Atty.

UNITED STATES PATENT OFFICE.

JOHN E. BOZELL, OF TIPTON, INDIANA.

FASTENING DEVICE FOR DOORS.

SPECIFICATION forming part of Letters Patent No. 294,573, dated March 4, 1884.

Application filed August 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. BOZELL, a citizen of the United States of America, residing at Tipton, in the county of Tipton and State of Indiana, have invented certain new and useful Improvements in Door-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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in fastenings for double doors, its object being to provide a means whereby the doors can be operated and secured either from the interior or exterior of the building; and my invention consists in the construction of the operating-arm and combination of the parts, as will be hereinafter more fully set forth, and pointed out in the claim.

In the accompanying drawings, which illustrate my invention, Figure 1 is a side view taken from the interior of the building, showing the door fastened in full lines and unfastened in dotted lines. Fig. 2 is a detailed perspective view of the operating-arm.

A B represent two swinging doors, which are hinged to the door-frame in the usual manner, said door-frame being provided with steps *a b*, the lower step, *b*, extending beyond the center of the door-frame, while the upper step is of less length and does not reach the center of the frame by several inches. Each of the doors A B is provided with transverse braces *c d e f*, the braces *c d*, which are attached to the door A, extending beyond the outer edge of the same, and located near the top and bottom of said door. The transverse brace *e*, which is attached above the center of the door, extends from the vertical edges of said door, and is firmly secured thereto. The lower transverse brace, *f*, is secured to the lower portion of the door, and is provided with an offset, *f'*, which extends horizontally outward from said brace, and is secured to the brace and door by a suitable bolt. This offset is

provided at its central portion with a transverse slot, *f''*.

Pivotally attached near the outer end of the transverse bar *e* is a locking-bar, D, the lower end of the same passing through the slot *f''* in the offset *f'*.

To the central portion of the door B is secured an operating-lever, which may consist of a single bar of metal. This operating-lever is indicated in the accompanying drawings by the letter E, and it is provided at its outer end with a handle, *g*, upwardly-extending portion *g'*, connecting-bar *g''*, and downwardly-projecting portion *g'''*, which forms the long arm, and is provided at its end with a bend, which is at right angles with the long arm, by means of which it may encircle the locking-bar D. The lower end of this long arm *g'''* may either pass through a slot in the locking-bar or may be bent so as to encircle the same. This operating-handle is pivotally secured at the inner or central portion of the door, adjacent to its edge.

The offset *f'*, attached to the lower transverse bar, *f*, upon the door B, is provided with a perforation, in which may be placed a pin or suitable bolt for fastening the locking-bar in a vertical position from the interior of the building, thus locking the doors.

The upper and lower cleats or stops, *a b*, have their inner and outer edges inclined, so that the locking-bar B may pass easily over the same.

It will be readily understood from the foregoing description of my invention that when the handle *g* upon the operating-bar E is turned toward the frame or hinged portion of the door B the locking-bar will be thrown to an inclined position, as shown in dotted lines in Fig. 1, thus allowing the doors to be opened; and when the outer end of said operating-lever E is brought to a vertical position it will carry with it the bar D, and the ends of the same, resting upon the cleats *a b*, will fasten the door.

It is evident that the cleats *c d* upon the door A, extending over the edges of the same, will hold said door closed when the edge of the door B overlaps the same.

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

In combination with the folding doors A B and locking-bar D, an operating-lever, E, provided at one end with a handle, *g*, and at the opposite end with a bent portion, which encircles the locking-bar, said lever being pro-

vided with bent portions or members *g'* *g''* *g'''*, substantially as shown. 10

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

JOHN E. BOZELL.

Witnesses:

JERRY O. BUNCH,
LUTHER T. BUNCH.