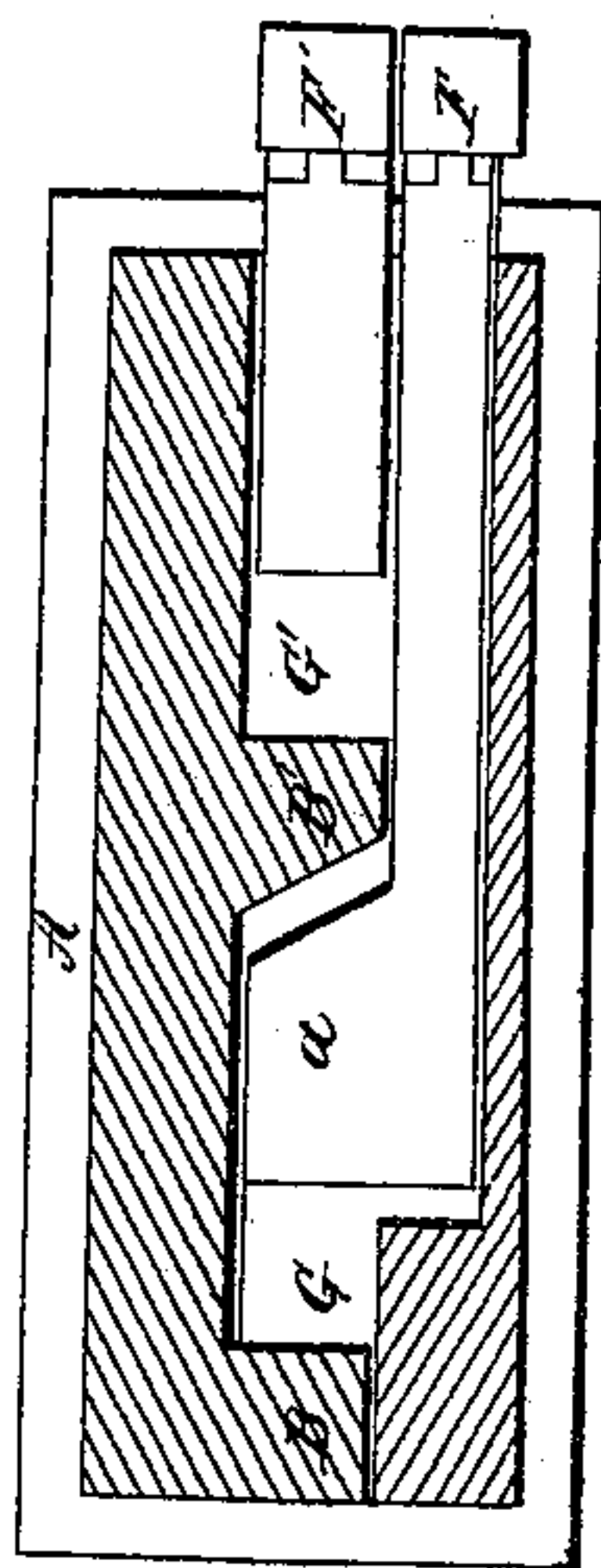
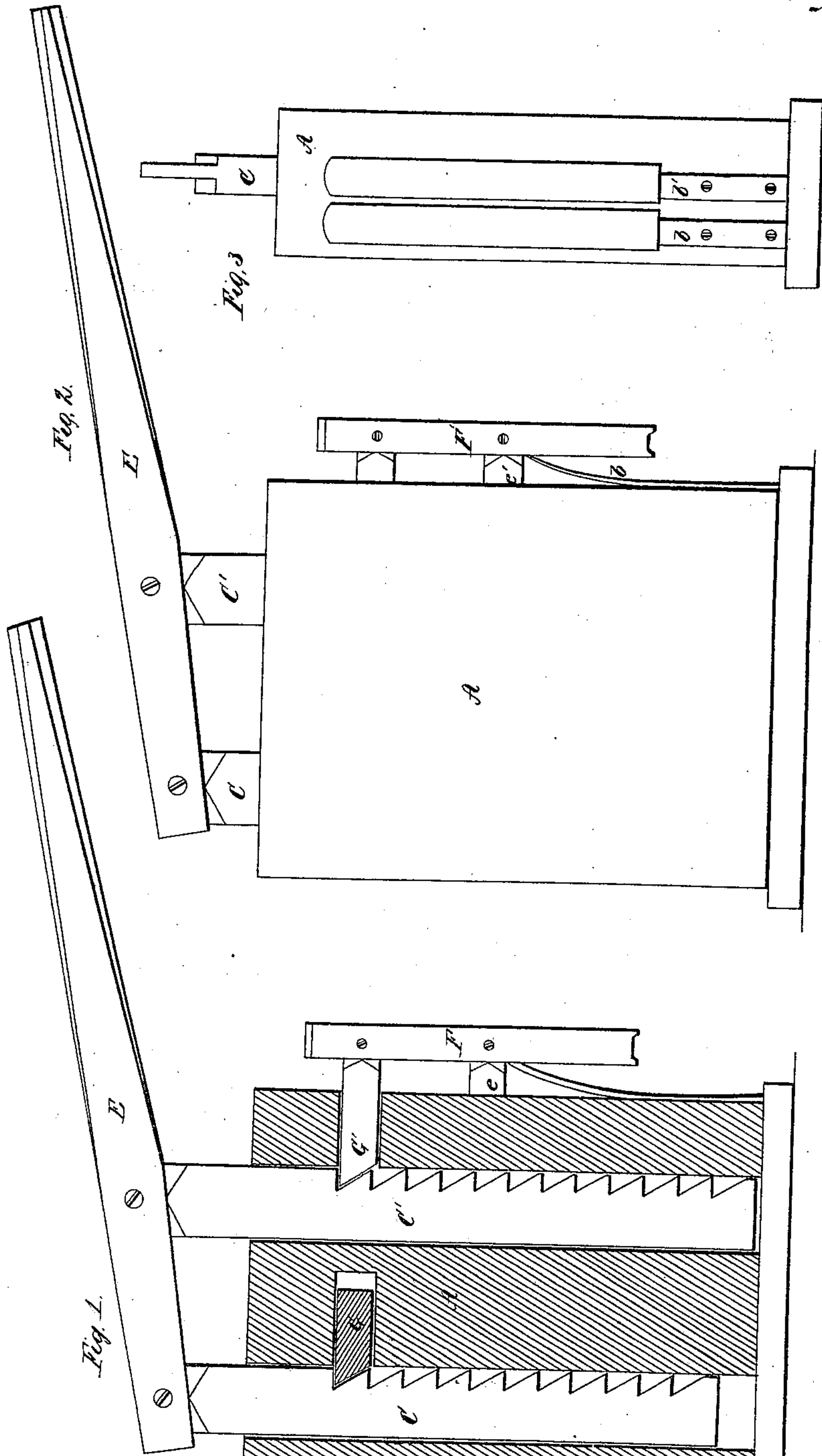


J. H. Bean,
Lifting Jack.

N^o 64,937.

Patented May 21 1867.



Witnesses,
Charles May
J. H. Bean

Inventor
J. H. Bean
Brown & Beadle attys.

United States Patent Office.

J. H. BEAN, OF MARIETTA, OHIO.

Letters Patent No. 64,937, dated May 21, 1867.

IMPROVEMENT IN LIFTING-JACK.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, J. H. BEAN, of Marietta, in the county of Washington, and in the State of Ohio, have invented a new and improved Double-Spring Wagon-Jack; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In the drawings—

Figure 1 is a transverse section through the line *x x*.

Figure 2, a side elevation.

Figure 3, an end elevation; and

Figure 4 is a transverse section through the line *y y*, without the serrated bars.

This invention consists of a lever, to which are pivoted two serrated bars, in combination with two levers, to each of which is pivoted a detent to fit the serrations of said bars, the detents working at right angles to the bars, in a stand, in such manner as to produce a carriage-jack as hereinafter fully described.

To enable those skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A represents a wooden stand of suitable dimensions, within which are two passages, B B', running vertically from top to bottom. Each of these passages accommodates a serrate bar, C, and each bar is pivoted to the lever E. F F' represent levers attached side by side to one edge of the stand A, and of the same dimensions. The fulcrum of these levers are the studs *e e'* projecting from the stand. Near the upper ends of the levers are pivoted the detents G G', which play in the transverse passage H. The free ends of both detents are bevelled to fit in the serrations of the bars C C'. As the bar C is directly behind the bar C', and of the same width, the detent G is furnished with a projection, *a*, at its end, on the right side, to enable it to engage with the bar C. Springs *b b'*, attached to the edge of the stand, press the lower arms of the levers F F' outward, and thus render engagement with the serrations the normal condition of both detents at the same time. Owing to this fact, either of the bars C C' can be made a fulcrum for the lever E, and the latter used as one of the first or third class, at pleasure. By using it in each manner alternately, a very gradual and easy raising of the load results, the lever being left in the best position for lifting at the close of each prying effort, and *vice versa*. To lower the lever and bars, it is only necessary to press the lower arms of the levers F F' inward, when the bars will descend in the passages B B' by their own weight.

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

The lever E and serrate bars C C', both the latter working in the vertical passages B B', for greater security, in combination with the levers F F', and detents G G', and springs *b b'*, the detents pivoted to the levers, and operating at right angles to the said bars, substantially as described.

This specification signed and witnessed this 22d day of December, A. D. 1866.

J. H. BEAN.

Witnesses:

J. J. PARKER,

A. BLOODGOOD.