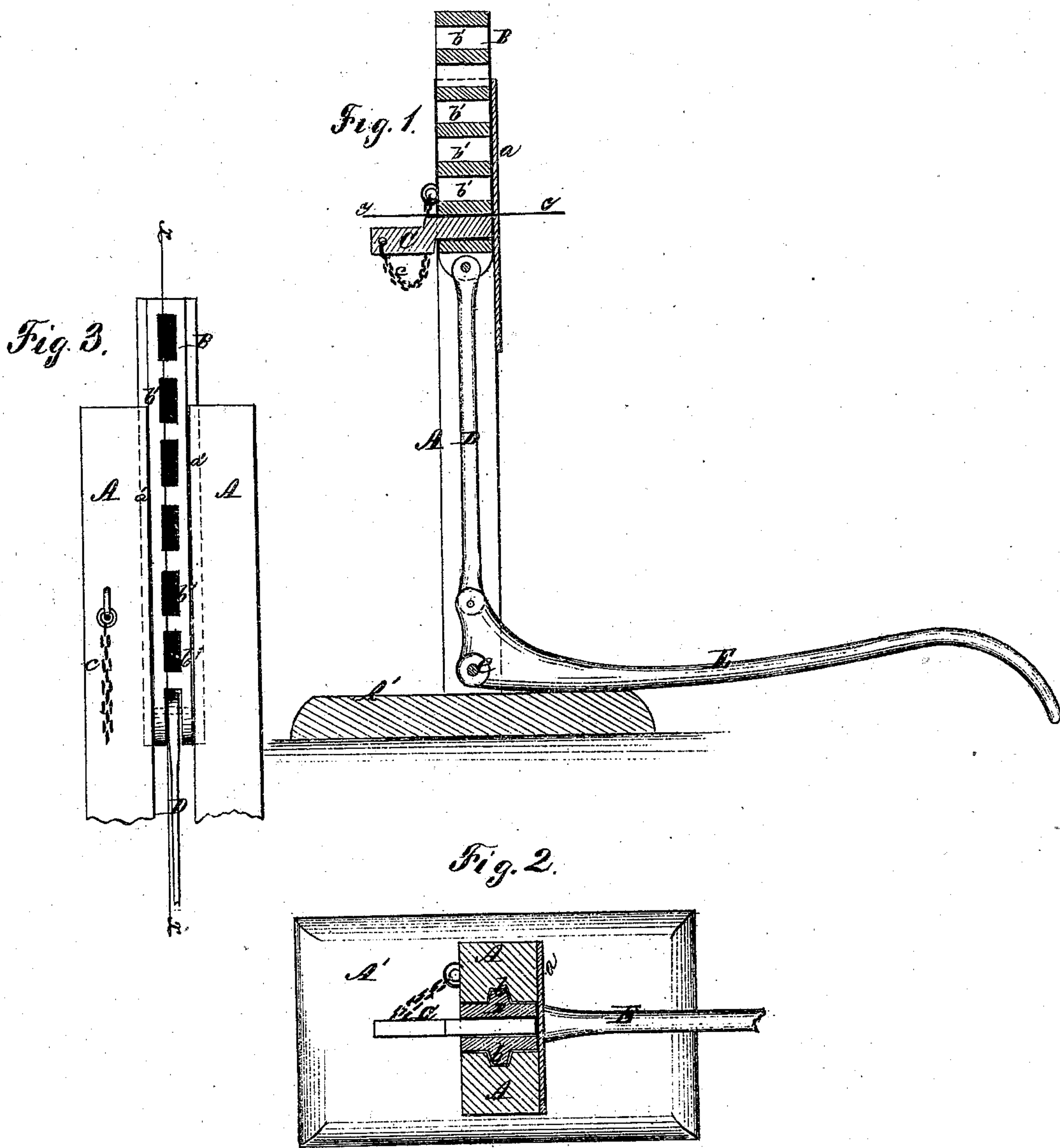


H. J. Wilson,

Lifting Jack.

No. 113,381.

Patented Apr. 4, 1871.



Witnesses:
A. Ruppert,
J. H. Weston

Inventor:
H. J. Wilson
Edson Root
Attorneys

United States Patent Office.

HIRAM J. WILSON, OF MASON, MICHIGAN.

Letters Patent No. 113,381, dated April 4, 1871.

IMPROVEMENT IN LIFTING-JACKS.

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, HIRAM J. WILSON, of Mason, in the county of Ingham and State of Michigan, have invented a certain new and useful Improvement in Lifting-Jacks; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of the same, in which—

Figure 1 represents a vertical longitudinal section of my invention taken on the line *xx* of fig. 3;

Figure 2 is a transverse section of the same taken through the line *yy* of fig. 1; and

Figure 3 is a front elevation thereof, with its base and a portion of its lower end removed.

This invention relates to lifting-jacks, and consists of a sliding metallic block or bar, which is supplied with a series of apertures or receptacles, into which fits a removable pin or plate, in combination with a hollow post or uprights, connecting-rod, and lever, all constructed substantially as hereinafter described.

In the several figures of the annexed drawing, similar letters of reference marked thereon indicate corresponding parts of my invention.

To enable those skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, which follow:

A A, in the accompanying drawing, indicate two uprights, which are secured at their lower ends a suitable distance apart, in mortises cut in the base A', and connected together at their upper ends by means of a metallic plate, *a*.

B is a metallic block or bar, which is constructed on each side with a longitudinal ledge or way, *b b*, fitting and sliding in a longitudinal groove, *a'*, formed or cut in the inner side of each of the uprights A A, as seen in fig. 2.

The said block consists of two parts, one part being cut with a series of apertures, which has one of its ends open, and the other part, which is merely a strip

or plate, being secured over the open ends of the apertures in the former part of said block, thereby forming the openings or receptacles *b' b'*.

The removable pin or plate C, upon which the weight to be lifted or raised rests, and which is attached to one of the uprights A by a chain, *c*, may be inserted in any one of the openings or apertures *b' b'*, of block B, when it is desired to put the jack in practice.

It will be remarked that, by means of the apertures in the block B, the supporting-plate C can be placed at various heights, thereby enabling it to be adapted to raising weights different heights, which enhances convenience of operation.

D is a connecting-rod, pivoted at one end within an aperture or recess in the lower end of the block B, and pivoted at its opposite or lower end to a projection formed on the inner end of the lever E.

The lever E has its fulcrum at *e*, entering each of the uprights A A, and is for the purpose of raising and depressing the block B, it being connected thereto, as already described, by means of the connecting-rod D, which is also raised and depressed by the said lever.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

The sliding block B *b b*, supplied with a series of apertures, *b' b'*, in combination with the pin or supporting-plate C, uprights A A, connecting-rod D, and lever E, the block B, when elevated, being on the same vertical plate as the rod D, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I hereunto set my hand this 25th day of November, 1870, in presence of two subscribing witnesses.

HIRAM J. WILSON.

Witnesses:

ED. W. LOWE,

WILL. M. PEASE.