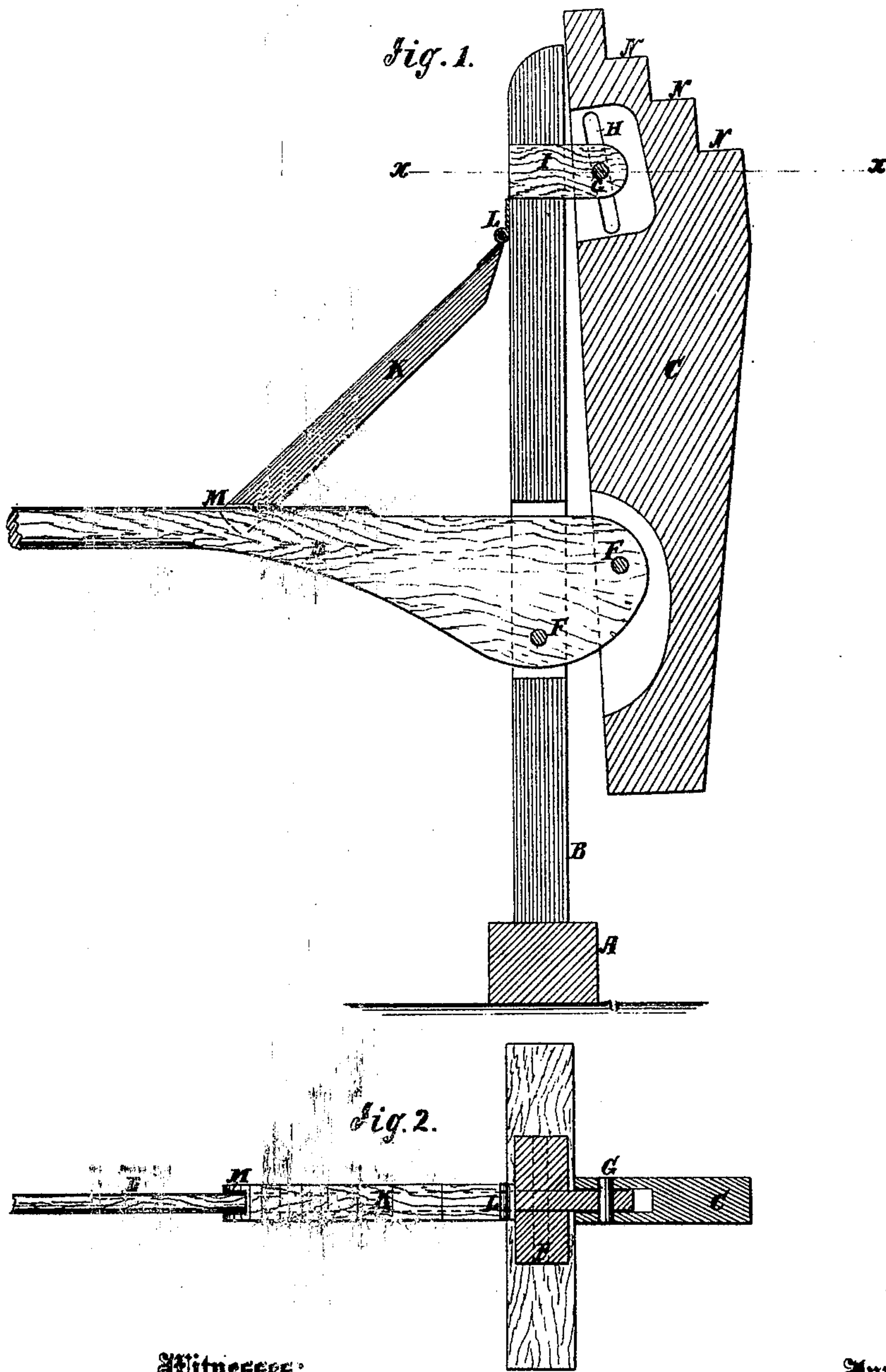


B. F. Johnson,

Lifting Jack.

No. 111,962.

Patented Feb. 21. 1871.



Witnesses:

A. Remickendorf
L. S. Mabee

Inventor:

B. F. Johnson
per *Munroe*
Attorneys.

United States Patent Office.

BENJAMIN F. JOHNSON, OF GLASGOW, MISSOURI.

Letters Patent No. 111,942, dated February 21, 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, BENJAMIN F. JOHNSON, of Glasgow, in the county of Howard and State of Missouri, have invented a new and improved Lifting-Jack; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in lifting-jacks for lifting wagons and other articles; and

It consists in a novel arrangement, with a stand of a vertical moving lifting block, operating lever and holding pawl, all as hereinafter described.

Figure 1 is a sectional elevation of my improved jack, and

Figure 2 is a horizontal section of the same, taken on the line *x x* of fig. 1.

Similar letters of reference indicate corresponding parts.

On a suitable stand, which may consist of a base, A, and vertical post B, or any equivalent thereof, I propose to mount the lifting-block C, so as to be worked vertically by a hand-lever, D, pivoted at E in a mortise through the stand.

This I do by jointing the said block near the lower end to the short arm of the lever, as indicated at F, by which to work it up and down, and providing the

guide-rod G in the oblique slot H, near the upper end, diverging from the stand downward, said rod being supported horizontally in front of one side of the stand, and parallel with it by one or more studs, I, which arrangement allows the lower end to swing away from the stand when moving downward, and up against the side thereof when moving upward, as it must do in consequence of the circular movement of the joint F on the pivot E.

K is a holding-pawl, hinged to the stand at L, for dropping at its lower end into a notch, M, in the lever, when it has been forced down in raising the block C and holding it there.

The block C is provided with a number of notches in the upper end, forming lifting-shoulders N of different heights, for wagons of different heights, as is common in such jacks.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The stand A, B, lifting-block C, lever D, guide-rod G, and holding-pawl, all combined and arranged substantially as specified.

BENJAMIN F. JOHNSON.

Witnesses:

A. MIDDLEBROOK,
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