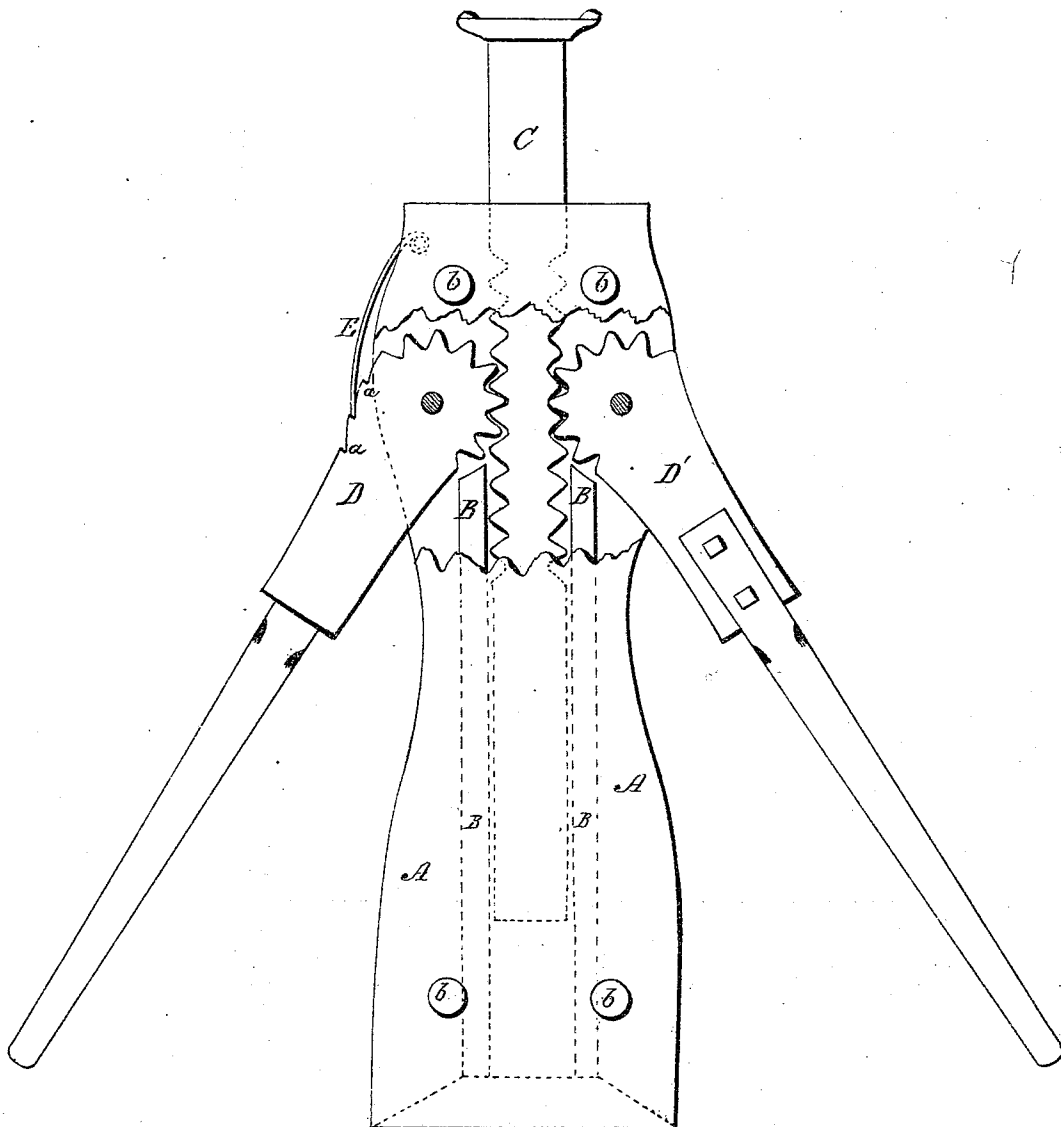


L. M. LUSK.

Improvement in Lifting Jacks.

No. 123,270.

Patented Jan. 30, 1872.



Witnesses.
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UNITED STATES PATENT OFFICE.

LEWIS M. LUSK, OF CENTRETON, OHIO.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. 123,270, dated January 30, 1872.

To all whom it may concern:

Be it known that I, LEWIS M. LUSK, of Centreton, in the county of Huron and State of Ohio, have invented certain new and useful Improvements in Lifting-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, which makes part of this specification, and which represents a side elevation of a jack embracing my improvements, with a portion of the inclosing-plate thereof broken away to show the interior construction and manner of operation of said jack.

My invention consists in the employment of two plates of wood or metal, having a space between them of sufficient width to receive the vertically-moving beam and its operating levers, which width is occasioned by two intermediate strips or projections, which serve also as guides to keep said beam in a vertical line in its ascent or descent, the whole so arranged as that said levers may be together used to exert a lifting force or alternately used and held at any desired position, as will be hereinafter described.

In the accompanying drawing, A A' represent the two inclosing-plates of the lifting-jack, of any suitable form, and constructed of wood or metal, as may be preferable. These plates A A' are separated by two strips or projections, B B, to such a distance as will admit between them the vertically-moving beam C and the actuating levers D D'. This beam C is provided on either side with spur-gearing, into which the cogs on the levers D

D', match and serve to raise or lower the said beam, as may be required. The division strips B B (or one of the plates A may be cast with vertical projections thereon to serve the same purpose) not only separate the inclosing-plates A A', but act, as arranged, as guides to keep the lifting-beam in a vertical position during its movement. One of the levers D is provided with notches *a*, into which a pawl, E, drops to hold the lifting-beam at any desired height to which it may be carried by the combined action of the levers. The inclosing-plates are held together by screw-bolts *b* or in any other suitable manner. It is contemplated to dispense with one of the levers in the use of my device as a wagon-jack, and when so used it is only necessary that one side of the lifting-beam be provided with cogs, but the inclosing-plates are arranged with division guiding-plates, as in the double jack, to keep said lifting-beam steady in its vertical movement.

Having described my invention, I claim—

The jack herein described and shown, having a vertical lifting-beam, C, moving between guiding-strips or projections B, which also serve to separate the inclosing-plates A A' to avoid the binding of the actuating levers D D' and of the said lifting-beam, the whole constructed and operating as set forth.

In testimony whereof I have hereunto signed my name.

LEW. M. LUSK.

Witnesses:

PHILIP NEWMAN,
JOHN NESBITT.