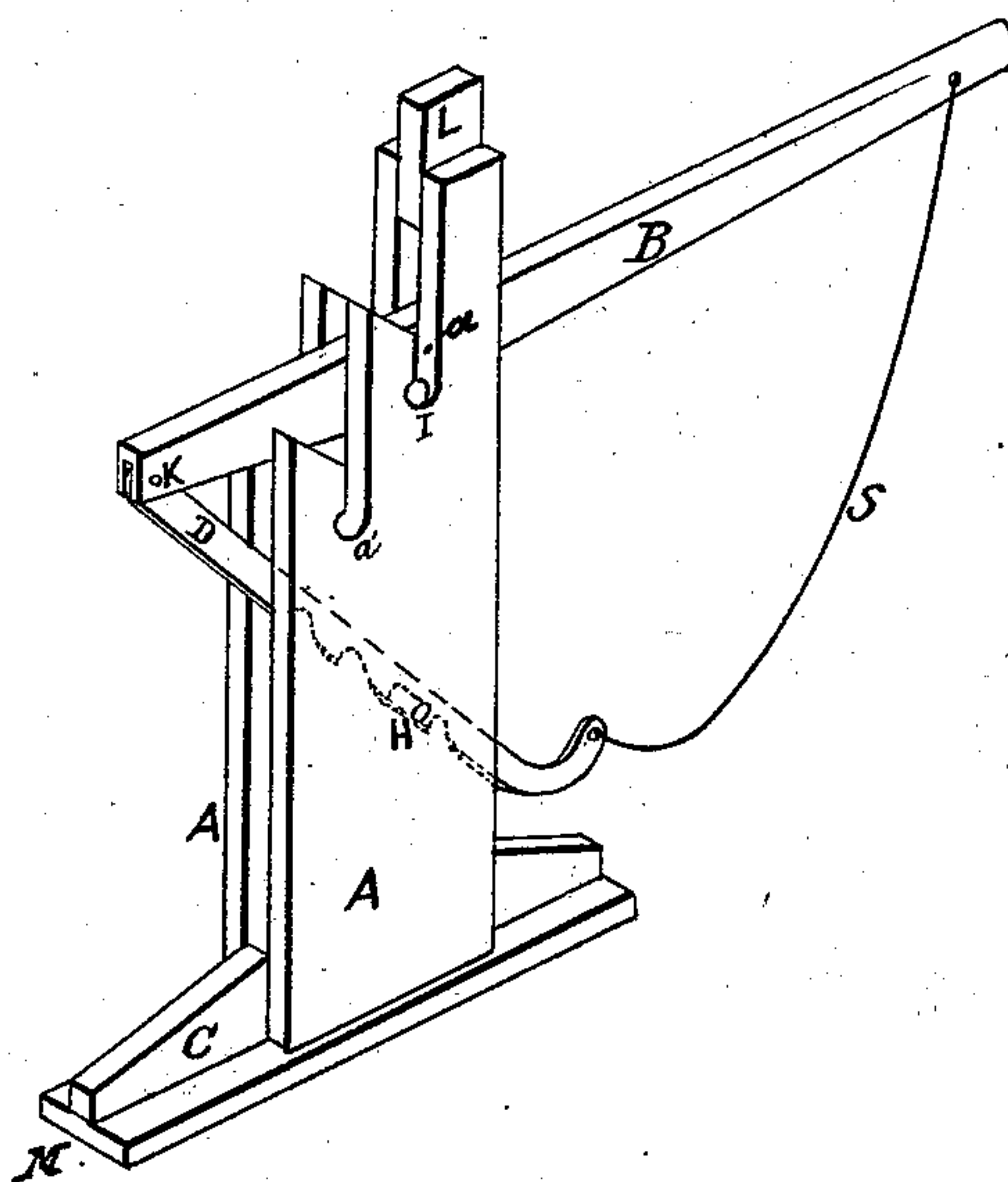


J. Du SHANE.
Lifting-Jack.

No. 224,819.

Patented Feb. 24, 1880.



Attest:

Willis A. Bugbee
Andrew Anderson.

Inventor.

James Du Shane.

UNITED STATES PATENT OFFICE.

JAMES DU SHANE, OF SOUTH BEND, INDIANA.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 224,819, dated February 24, 1880.

Application filed July 10, 1879.

To all whom it may concern:

Be it known that I, JAMES DU SHANE, of the city of South Bend, in the county of St. Joseph and State of Indiana, have invented
5 a new and useful Improvement in Lifting-Jacks, which improvement is fully set out in the following specification, reference being had to the accompanying drawing, on which the figure represents a perspective view.

10 The object of my invention is to have an adjustable lifting-jack, to be used in lifting wagons and heavy articles.

It consists of a double standard, A, with notches, as shown in the drawing, which is
15 composed of two pieces of board or plates of metal, kept in position by the brace C and the block L far enough apart to give free play to the lever B; of a lever, B, through which passes a pin, I, long enough to rest in the notches of
20 the double standard and act as a fulcrum; of a pin, H, which passes through the standard, and a notched pawl, D, which is attached to the extremity of the weight end of the lever by the pin K, or a hinge, or some other convenient mode of attachment which leaves it
25 free play to rise or fall. The notched pawl runs back between the two sides of the standard, and when not lifted up rests upon the pin H. The standard and brace rest upon a
30 shoe, M. A light string or chain, S, connects the loose end of the pawl with the handle of the lever.

The notches *a a*, in which the fulcrum rests, are cut downward into the standard, so as to resist any forward pull which the load may
35 exert on the lever. They may be increased in number as required.

The movable lever may be adjusted to any desired height by raising or lowering the same and resting the fulcrum on a notch at the de-
40 sired elevation, and the operation of the jack is as follows:

To raise a wagon or other article the lever is adjusted to the proper elevation, the handle raised, and the weight end of the lever placed
45 under the article to be lifted; and then, as the handle is depressed and the weight end raised, the successive notches of the pawl engage with the pin H and sustain the load.

When it is desired to let down the load the
50 handle is depressed a little and the pawl raised off of the pin H by the string S, when the load can be let down.

I claim as my invention—

The double standard A, provided with
55 notches *a a* upon the top, serving as lever-fulcrums, the lever B, pins H I, pawl D, and string S, as and for the purpose set forth.

JAMES DU SHANE.

Witnesses:

ANDREW ANDERSON,
WILLIS A. BUGBEE.