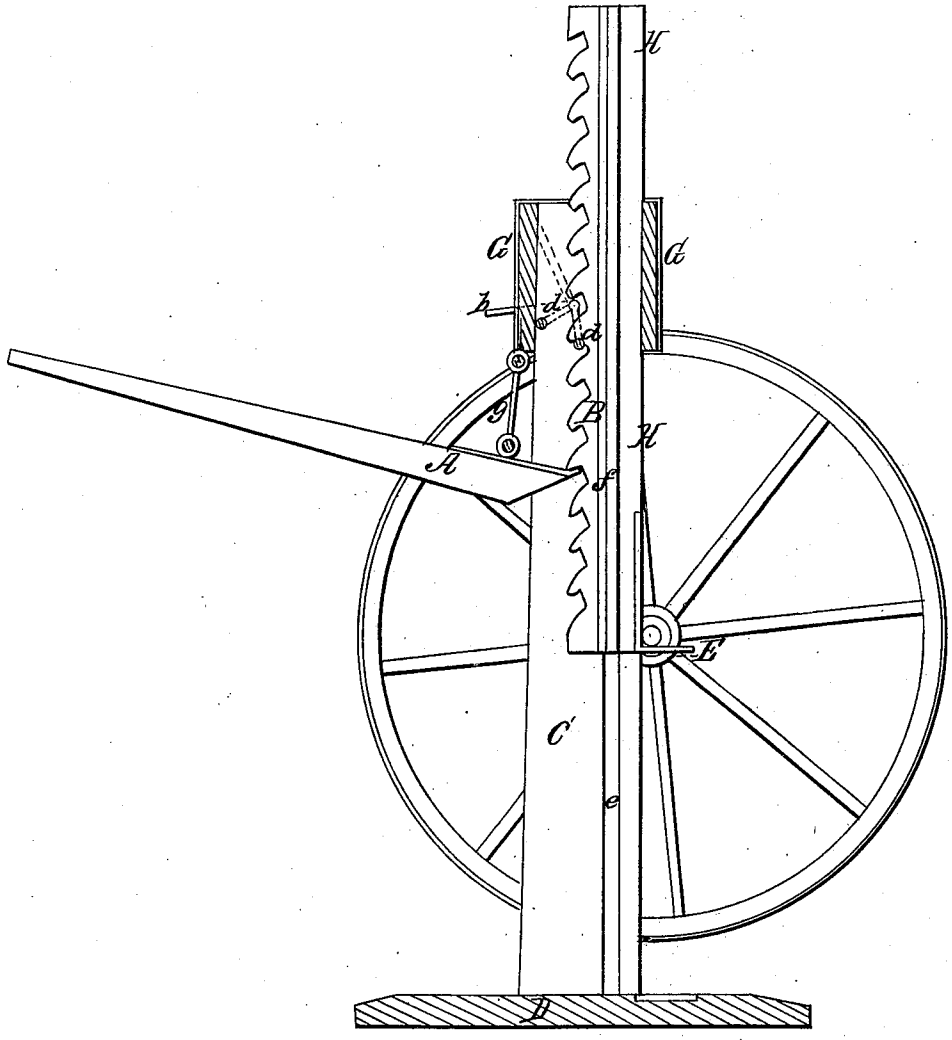
G. H. Alger,

Lifting Jack.

No. 76,967. Patented Apr. 21, 1868.



Witnesses
H. C. Ashkettez
Wm A Morgan

Inventor;
G. H. Alger
per Munn & Co
Attys.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

G. H. ALGER, OF AMES, NEW YORK.

Letters Patent No. 76,967, *dated April* 21, 1868.

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, G. H. ALGER, of Ames, in the county of Montgomery, and State of New York, 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 those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention is an improvement on the lifting-jacks, as heretofore made, and is designed more particularly for lifting threshing-machines when the rear wheels of the same are to be withdrawn, to lower the rear of the machine to the ground for the operation of threshing.

The drawing is a sectional view of the jack, which is composed of a ratchet-rack, B, sliding vertically between uprights, C, which latter rise from a base-block, D.

The ratchet-rack is of metal, and is affixed to a stout rod or strip, H, which latter is provided with tongues, *f*, fitting in the grooves *e* of the uprights, as shown.

A lifting-toe, E, is bolted to the lower end of the rod H, and thus serves to catch under the axle of the threshing-machine, to raise it from the ground, in order to replace the wheels.

The uprights are connected at the top by cross-pieces, G G, bolted or affixed to the uprights in any suitable manner.

To one of these cross-pieces, the lever A is hung, by means of a hinged link, *g*, as shown.

A crank-lever, *b*, having an arm, *d*, serves to catch under any one tooth of the rack, and hold the same at any point.

The red outline *d'* shows the position of this arm when not in use.

The operation of this jack is obvious.

Its peculiarity of construction consists in the arrangement of the lifting-toe E, at the bottom of the upright, so that it can catch under the axle when the same is on the ground, or lower the axle to the ground.

The screw-jacks heretofore made will not answer for this purpose, as will be obvious.

With my improved lifting-jack, a threshing-machine may be raised or lowered in a short time, and with less help than is required to perform the same operation without this invention.

One man can raise or lower a threshing-machine by this means, when, without it, several men are required, with the aid of levers, poles, and the like, to effect the same object.

It is simple and effective, as I have proven in practice with a full-sized machine.

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

The combination of the uprights C, rack B, base D, cross-pieces G G, lever A, link *g e*, lever-catch *b*, and lifting-toe E, all constructed and operating together substantially as and for the purpose shown and described.

The above specification of my invention signed by me, this 27th day of February, 1868.

G. H. ALGER.

Witnesses:

WM. F. MCNAMARA,

ALEX. F. ROBERTS.