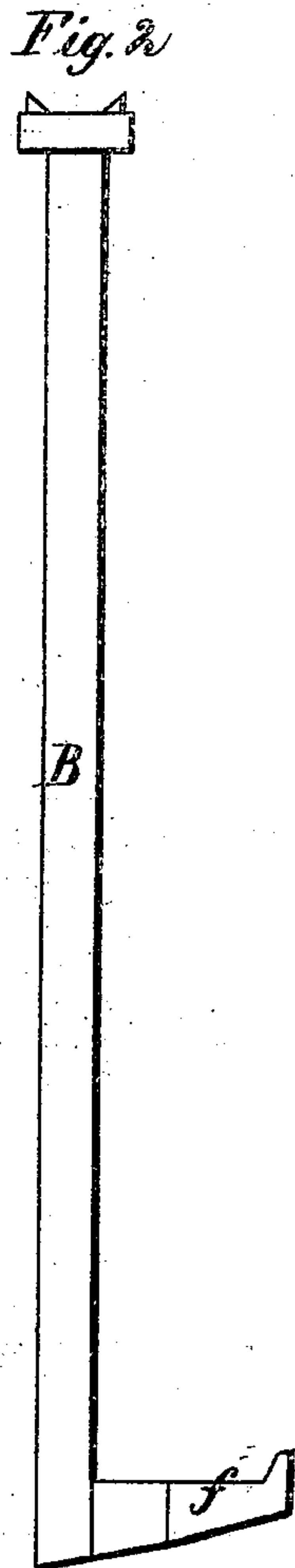
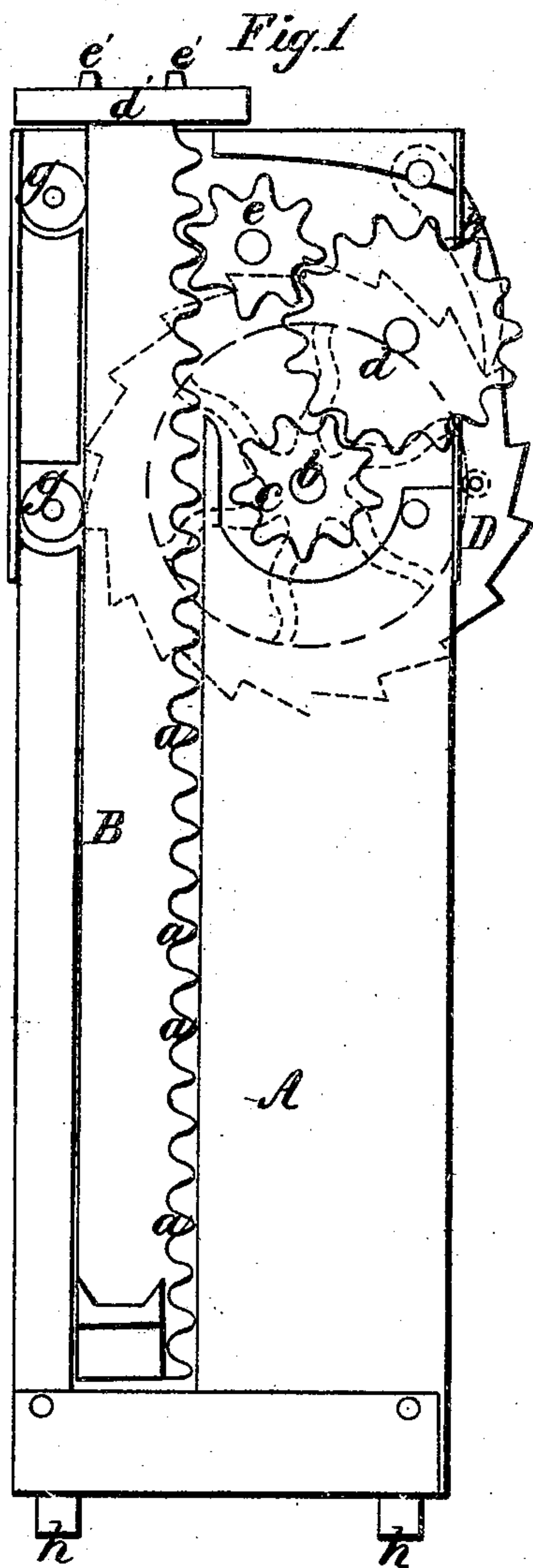


J. Steuer Lifting Jack.

No 92,899.

Patented Jul. 20, 1869.



Witnesses
H. A. Worth
Jno. A. Ellis

Inventor
J. Steuer
Per.
J. H. Alexander
Atty:

United States Patent Office.

JACOB STEUER, OF ALBANY, NEW YORK.

Letters Patent No. 92,899, dated July 20, 1869.

IMPROVED CARRIAGE-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, JACOB STEUER, of Albany, in the county of Albany, and State of New York, 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 thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 represents a side view, with a part of the case removed, and

Figure 2, a side view of the lifting-bar.

Similar letters indicate like parts in both figures.

My invention consists in the general arrangement of the several parts hereinafter set forth.

To enable others skilled in the art to which my invention appertains, to make and use the same, I will now describe its construction and operation.

In the accompanying drawings—

A represents the stock, which is formed with a recess or opening, *b*, as seen in fig. 1.

Through this opening is passed the shaft *b*, on which is secured the pinion *c*, working into the gear-wheel *d*, which works into the pinion *e*.

B is the rack formed with teeth *a a*, said teeth working into the pinion *e*, as seen in fig. 1.

The rack B is formed at its upper end with the bar

d', provided with pins *e e*, and at its lower end with the lifting-arm *f*, as seen in fig. 2, in order that the jack may be used for raising at any desired distance.

g g represent friction-rollers pivoted in the stock A to take off the friction from the rack and the sides of the stock.

h h represent pins for holding the jack in position.

D represents a ratchet-wheel, said wheel having a suitable handle attached to it for operating the mechanism of my jack.

k is a pawl pivoted at the top of stock A, and serves to prevent the ratchet-wheel D from revolving backwards while the machine is in use.

Having thus described my invention,

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

The rack B, rollers *g g*, pinions *c e*, gear-wheel *d*, ratchet-wheel D, pawl *k*, and stock A, all constructed, combined, and arranged as and for the purpose described.

In testimony that I claim the foregoing as my own, I affix my signature, in presence of two witnesses.

JACOB STEUER.

Witnesses:

FRANK GUTMAN,

LOUIS A. SAURBIER.