

R. B. CONDON.

Improvement in Boom-Jack or Elevator.

No. 131,742.

Patented Oct. 1, 1872.

Fig 1.

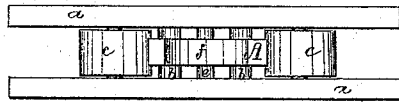


Fig 2.

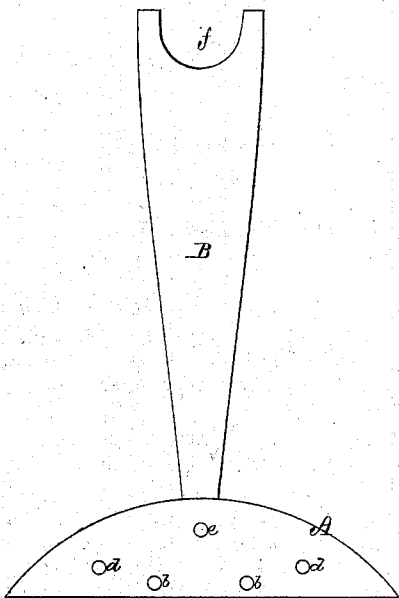


Fig 3.

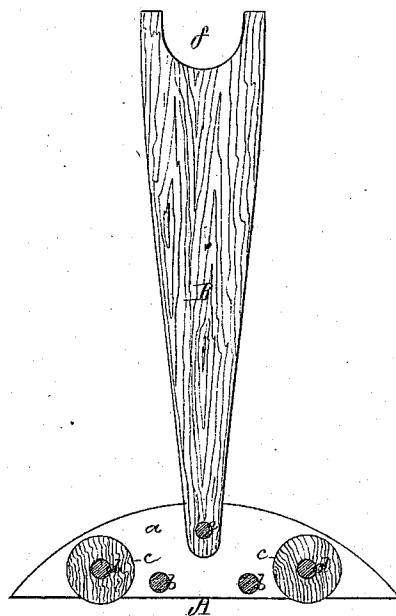
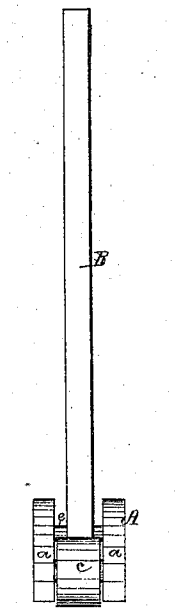


Fig 4.



Witnesses

S. r. Piper.

L. N. Moller.

Rufus B. Condon.

by his attorney

H. W. Day

UNITED STATES PATENT OFFICE.

RUFUS B. CONDON, OF BELFAST, MAINE.

IMPROVEMENT IN BOOM JACKS OR ELEVATORS.

Specification forming part of Letters Patent No. 131,742, dated October 1, 1872.

To all whom it may concern:

Be it known that I, RUFUS B. CONDON, of Belfast, of the county of Waldo and State of Maine, have invented a new and useful Boom Jack or Elevator; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a bottom view; Fig. 2, a side elevation; Fig. 4, an edge view; and Fig. 3, a longitudinal section of it.

The purpose of the said device is to elevate and support the boom of a navigable vessel. It consists of a wheel-carriage, A, and a vibratory arm or notched toggle, B, the latter being pivoted to the carriage and the whole being arranged and constructed substantially as shown in the drawing.

The carriage is formed of two circular segmental-shaped side pieces, *a a*, arranged at a suitable distance apart and connected by two transverse rings, *b b*. Two wheels or rollers, *c c*, disposed between the side pieces *a a*, in manner as shown, are to turn freely on pins

or rods *d d* going from one to the other of the side pieces and supported by both. The notched toggle B, pivoted to the carriage, as shown at *e*, is provided at its upper end with a notch, *f*, to receive the boom.

When a boom is to be raised the jack, with the toggle inclined from the vertical so as to receive the boom in the crotch or notch *f*, is to be moved transversely against the boom. On continuing to press or draw the carriage forward the boom will be raised until the toggle may assume a vertical position, in which case the boom-tackles are to be stayed or drawn tightly both to larboard and starboard, which having been done, the boom will be supported on and the toggle be prevented from falling out of its vertical position.

I claim as my invention—

The boom jack or elevator, substantially as described.

RUFUS B. CONDON.

Witnesses:

R. H. EDDY,
S. N. PIPER.