

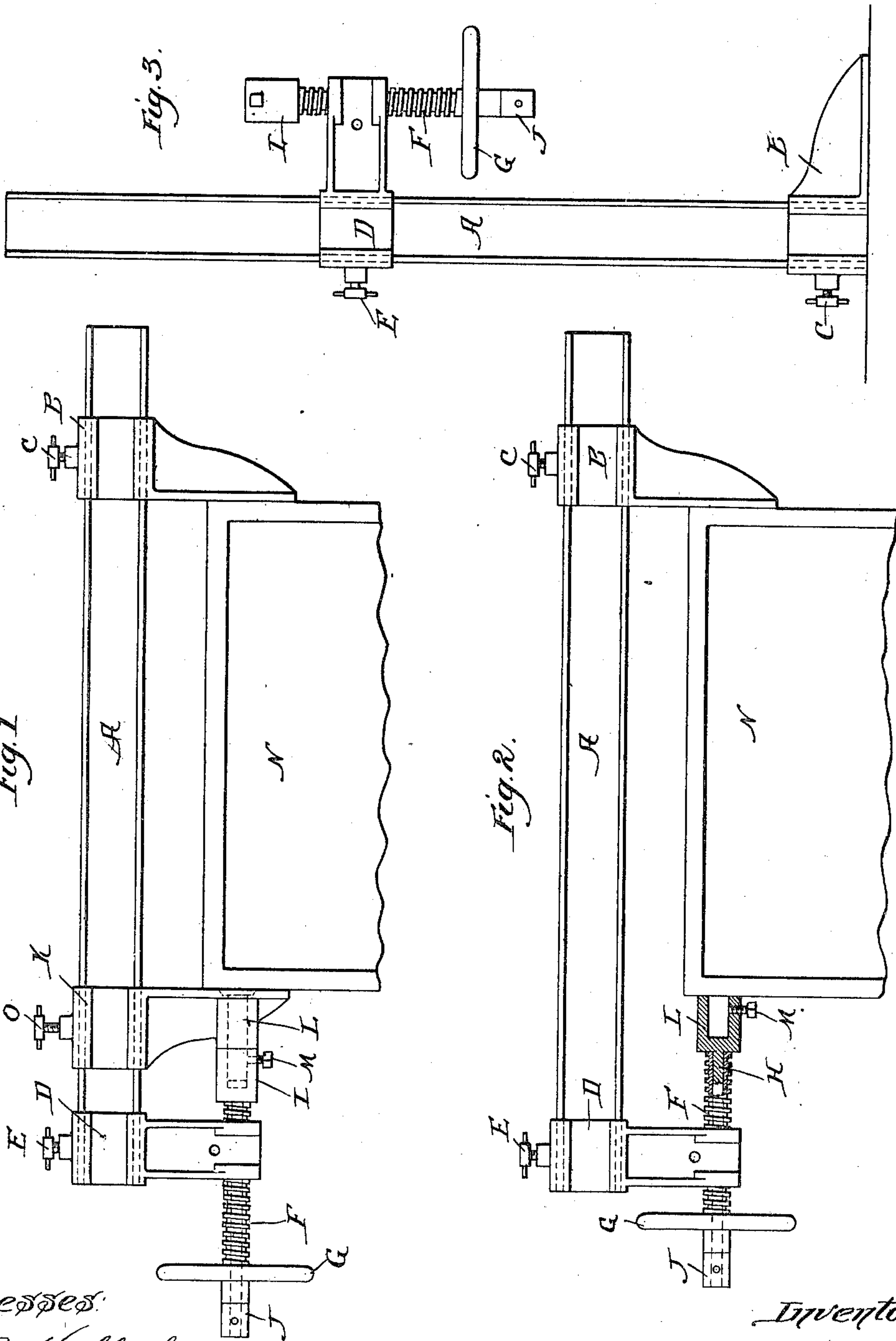
No. 661,488.

Patented Nov. 13, 1900.

P. BROADBOOKS.
COMBINATION CLAMP AND LIFTING JACK.

(Application filed Jan. 11, 1900.)

(No Model.)



Witnesses:

H. B. Hallock.

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UNITED STATES PATENT OFFICE.

PETER BROADBOOKS, OF BATAVIA, NEW YORK.

COMBINATION CLAMP AND LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 661,488, dated November 13, 1900.

Application filed January 11, 1900. Serial No. 1,044. (No model.)

To all whom it may concern:

Be it known that I, PETER BROADBOOKS, a citizen of the United States, residing at Batavia, county of Genesee, and State of New York, have invented a certain new and useful Improvement in a Combination Clamp and Lifting-Jack, of which the following is a specification.

My invention relates to a new and useful improvement in a combination clamp and lifting-jack, and has for its object to so construct a combination-tool of this description as to render it as efficient for either purpose as though it embodied but a single element.

With this end in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of my improved combination-tool when adjusted for use as a double-head clamp; Fig. 2, a similar view showing it used as a single-head clamp; and Fig. 3 a similar view showing the tool adjusted for use as a lifting-jack.

In carrying out my invention as here embodied, A represents the beam, having jaw B adjustably secured thereon by the set-screw C and the screw-block D adjustably secured upon the beam by the set-screw E. A hollow operating-screw F is threaded through the screw-block and has secured thereon the hand-wheel G for its manipulation. A spindle H is journaled in the hollow screw and carries a socket or chuck I upon its inner end, while its outer end is provided with the collar J to hold the spindle in place. A jaw K is fitted

to slide upon the beam, and the chuck I is attached thereto by a pin L (shown in dotted lines in Fig. 1) being passed through the jaw and secured in the chuck by the set-screw M.

From this description it will be seen that when the tool is thus adjusted the work (represented at N) may be firmly clamped between the jaws by the proper manipulation of the hand-wheel, the screw revolving upon the spindle without revolving the latter, and when the work is clamped it may be thereafter held by binding the set-screw O upon the beam. When desired, the tool may be adjusted to be used as a single-head clamp, as shown in Fig. 2, by omitting the jaw K, in which case the chuck L will bear directly against the work and serve in the place of this omitted jaw. In adjusting this improved tool for use as a lifting-jack the jaw B is utilized as a foot by being reversed upon the beam and secured at the lower end thereof, and the reversal of the screw-block D will give the operating-screw the action of a lifting-screw, the chuck serving as the support.

Having thus fully described my invention, what I claim as new and useful is—

In a device of the character described, a beam, a jaw adjustably secured on the beam, a screw-block adjustably secured on the beam, a hollow operating-screw threaded through the screw-block, a hand-wheel secured to the screw, a spindle journaled in the hollow screw and terminating in a socket, a jaw slidable on the beam, a rod swiveled in the slidable jaw and removably connected to the socket of the spindle, as and for the purpose set forth.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

PETER BROADBOOKS.

Witnesses:

G. H. HOLDEN,
FRANCIS L. HAWES.