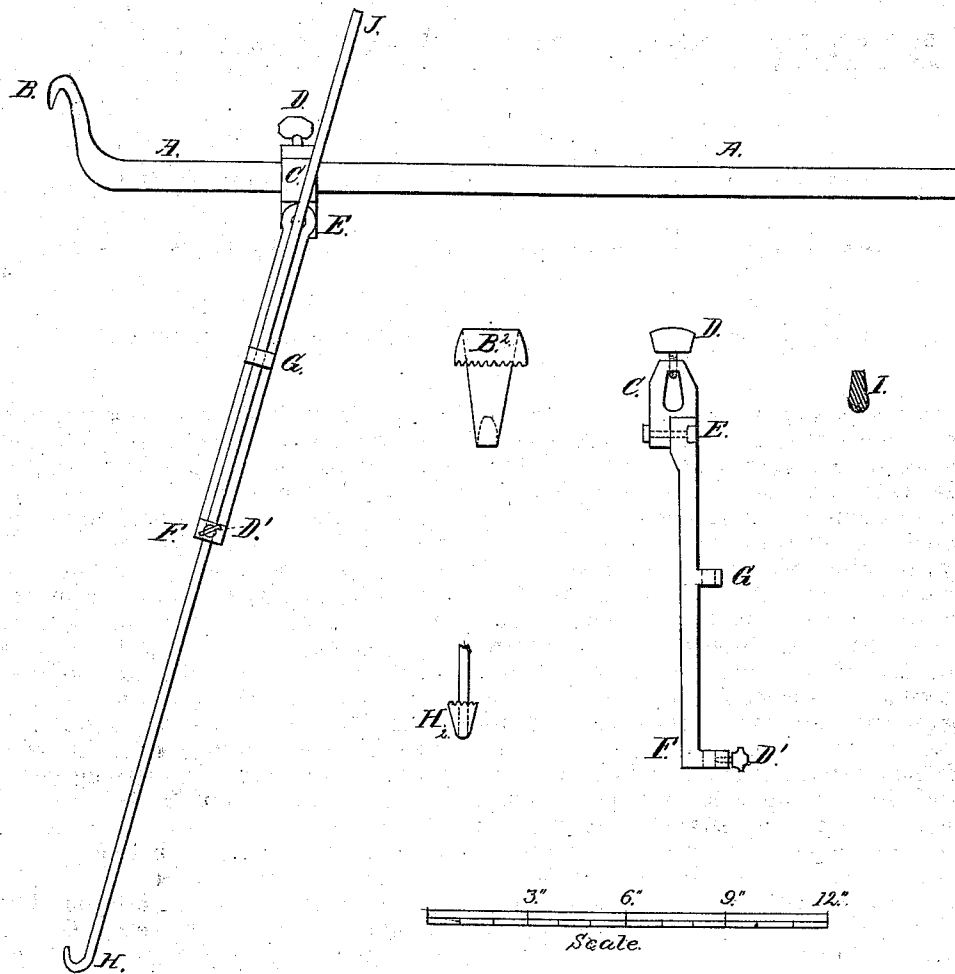


J. W. BABCOCK.

Machines for Lifting and Carrying Barrels, Boxes, &c.

No. 135,958.

Patented Feb. 18, 1873.



Witnesses.

J. A. Carter.
M. H. Newman.

Inventor:

John W. Babcock.

UNITED STATES PATENT OFFICE.

JOHN W. BABCOCK, OF CHICOPEE, MASSACHUSETTS.

IMPROVEMENT IN MACHINES FOR LIFTING AND CARRYING BARRELS, BOXES, &c.

Specification forming part of Letters Patent No. **135,958**, dated February 18, 1873.

To all whom it may concern:

Be it known that I, JOHN W. BABCOCK, of Chicopee, in the county of Hampden and State of Massachusetts, have invented a Machine for Lifting and Carrying Barrels and Boxes, of which the following is a specification:

My invention relates to the combination of a horizontal lever with an adjustable arm, both provided with a hook at one extremity, in such a manner that when applied to a box or barrel a man may lift and carry the same with ease and facility. Its chief use, however, is in carrying grocers' and other merchandise in boxes and barrels up and down stairs, in which case the foremost man maneuvers the barrel by the "lifter" either in the hand or on the shoulder, the man following him assisting by taking hold of the lower chine of the barrel. In this position both men have a good position for carrying heavy commodities in barrels or boxes, either headed up or open, on a level, or up and down steep, narrow, or winding stairs without injury to wood-work, stairs, paint, or carpets.

The annexed drawing represents a machine embodying my invention.

A A' is a horizontal lever, which should be so constructed as to give the greatest strength in the smallest compass. B is the extremity,

so bent in the form of a hook or grapple as to give the most secure hold of the upper chine of a barrel, and is provided with teeth, as shown at B², to gripe firmly upon the edge of a box. C is a movable dog, adjustable upon the lever A A' and fixed by a set-screw, D. Upon the under side of this dog is fastened by a hinge-joint the upper extremity of the movable arm E F, which has near its center a projection, G, and at its lower extremity a similar one, both of which have an opening for the passage of the adjustable rod H J, which is fixed by a set-screw, as shown at D'. The lower extremity of the rod H J is widened and provided with teeth, similar and for the same purpose as the grapple B, as shown at H². I is a section of the bar A A'. All the parts are constructed of iron or steel.

I claim as my invention—

The combination of the horizontal bar A A' and the arm E F with the rod H J, either or both adjustable, substantially as and for the purpose hereinbefore set forth.

JOHN W. BABCOCK.

Witnesses:

JOSEPH A. CARTER,
MELZAR H. MOSMAN.