

(Model.)

J. L. THROOP.
UNIVERSAL ADJUSTABLE LIFTER.

No. 487,105

Patented Nov. 29, 1892.

Fig. 1.

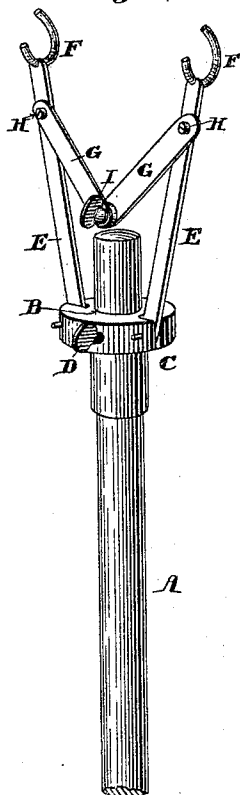
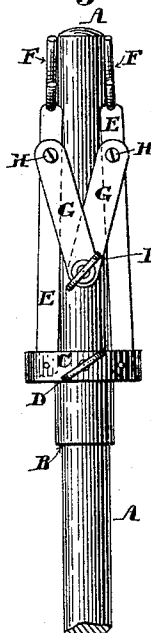


Fig. 2.



Witnesses:

E. Hawkins
James Daqqy

Inventor:

Josephine L. Throop,

UNITED STATES PATENT OFFICE.

JOSEPHINE L. THROOP, OF GREENCASTLE, INDIANA.

UNIVERSAL ADJUSTABLE LIFTER.

SPECIFICATION forming part of Letters Patent No. 487,105, dated November 29, 1892.

Application filed April 25, 1892. Serial No. 430,653. (Model.)

To all whom it may concern:

Be it known that I, JOSEPHINE L. THROOP, a citizen of the United States, residing at Greencastle, in the county of Putnam and State of Indiana, have invented a new and useful machine or universal adjustable lifter for the purpose of handling curtains, portières, picture-frames, or other similar articles when for any purpose it is desired to lower or replace them.

The following description will make the construction of my invention sufficiently clear.

Figure 1 represents the apparatus when opened out at full size and length ready for use. Fig. 2 represents it closed up and shortened when not in use.

In Fig. 1 the rod A, of suitable size and length, forms the handle. This passes through a neatly-fitting hole B in the block C and may be held in the required position by the set-screw D. The rods E E are hinged or joined to the block C, permitting a motion of their outer extremities toward or from each other, thus varying the distance apart of the prongs F F, which terminate the outer ends of rods E E. These rods are held at the required angle by means of the adjusting-link G, composed of two members, the outer ends of which are pivoted to the rods at H H, the inner ends being joined together in such manner as to allow a swivel movement and held

in proper position by the set-screw I. This set-screw I being loosened permits the two members of the adjusting-link to form with each other an angle more or less acute or obtuse, thus bringing together or separating the prongs F F, the whole when the screw is tightened being held in position. The proper length is obtained by sliding the rod A through the block C and tightening the set-screw D.

The rods E E must be attached on one side of block C in a way to prevent interference when the block C is passed along the rod A or handle, as in closing.

The same letters refer to like parts in Fig. 2.

I am aware that a single rod with a prong has been in common use for the purpose of lowering or replacing articles out of ordinary reach, and therefore do not claim this feature; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

In combination, a block adapted to be secured to a handle, rods pivoted to the block, prongs on the outer ends of the rods, an adjusting-link pivoted to the rods, and means for securing said link when adjusted, substantially as set forth.

JOSEPHINE L. THROOP.

Witnesses:

JAMES F. HILL,
WILLIAM R. CALLAHAN.