I. W. LEGG.

Pulling Hop Poles.

No. 78,103. Patented May 19, 1868.

Fig. 1.

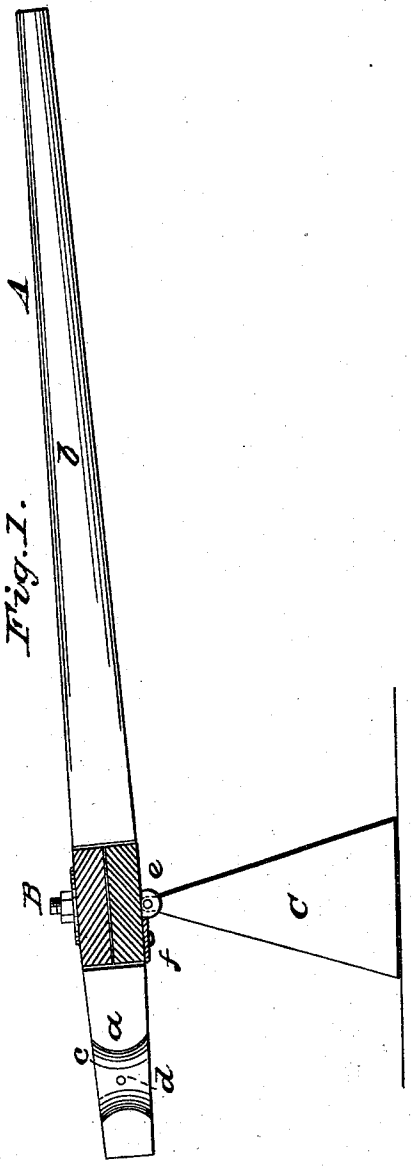
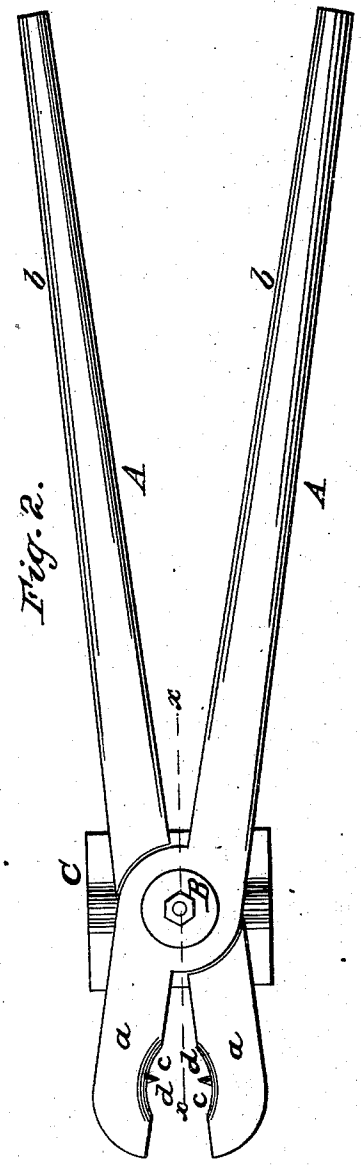


Fig. 2.



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ISAAC W. LEGG, OF LONG EDDY, NEW YORK.

Letters Patent No. 78,103, *dated May* 19, 1868.

IMPROVEMENT IN DEVICE FOR PULLING HOP-POLES.

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, ISAAC W. LEGG, of Long Eddy, in the county of Sullivan, and State of New York, have invented a new and improved Device for Pulling Hop-Poles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and useful device for pulling hop-poles, and it consists of two hand-levers connected by a pin, and arranged similar to a tongs, and provided with a fulcrum-block, all being constructed and arranged in such a manner that the device may be adjusted in a proper relative position with a hop-pole, and the latter pulled up out of the ground with the greatest facility. In the accompanying sheet of drawings—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, fig. 2.

Figure 2 a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

A A represent two levers, which are crossed and connected by a pin, B, near one end, the short arms *a a* forming jaws, and the long ends *b b* serving as handles.

The inner sides of the jaws *a a* are hollowed out to form concaves, *c c*, in which pins *d* are fitted, one or more in each, (see more particularly fig. 2.)

The pin B has a cross-bar, *e*, at its lower end, which is pivoted or hinged to the upper end of a block, C, which is of wedge-shape or taper-form, the cross-bar being connected to the upper narrow edge of the same, the lower end being sufficiently broad to form a good base, (see fig. 1.)

To the under surface of one of the levers A, a plate, *f*, is attached, to prevent the levers A A from turning on block C, when the device is applied to its work.

The block C serves as a bearing or fulcrum for the levers A A, and it will be seen that by placing said block near the hop-pole to be pulled up, and opening or distending the jaws *a a*, so that the pole may be grasped by them, and then depressing the handles *b b*, the pole will be pulled up, a good leverage power being obtained.

The device is exceedingly simple and efficient, and may be constructed at a very moderate cost.

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

The levers A, when hinged to the upper edge of the wedge-shaped block C, by means of the pin B and cross-bar *e*, said levers also provided with the plate *f* upon their under sides, as herein described, for the purpose specified.

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