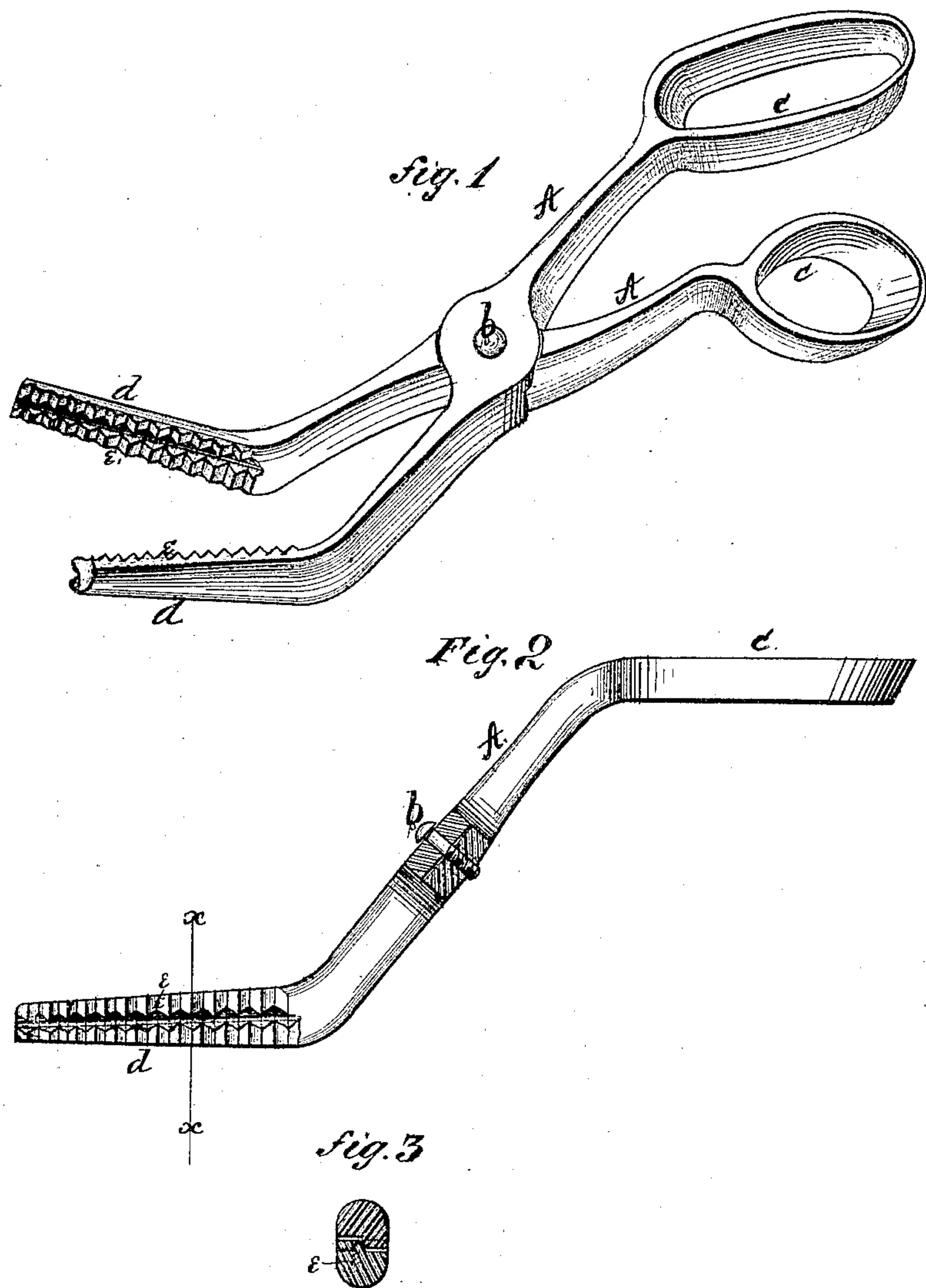


D. M. HOLMES.

Weed Puller.

No. 97,399

Patented Nov. 30, 1869.



Witness
Henry H. H. 900
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Inventor
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United States Patent Office.

DANIEL M. HOLMES, OF WATKINS, NEW YORK.

Letters Patent No. 97,399, dated November 30, 1869.

IMPROVEMENT IN INSTRUMENT FOR PULLING WEEDS.

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, DANIEL M. HOLMES, of Watkins, in the county of Schuyler, and State of New York, have invented a new and useful Instrument for Extracting or Pulling Weeds or other vegetable substances; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

Figure 1 is a top view of my improved instrument.

Figure 2 is a side view of one of the arms or levers of same.

Figure 3 is a sectional view of the jaw, taken through the line *x x*, fig. 2.

My invention has for its object to furnish a simple, effective, and convenient instrument, by means of which weeds and other vegetable substances may be removed or drawn from the earth rapidly and conveniently; and

It consists in the construction and combination of the several parts of the instrument, as hereinafter described.

A A, fig. 1, a pair of crooked arms or levers, having a common fulcrum, *b*, the latter being a rivet or screw

by which the arms or levers are held in place, and on which they are made to open and close by the hand, at will.

c c, handle of the instrument.

d d, jaws, having single or double rows of teeth or indentations, (which may be cut, filed, or cast,) on their inner surfaces, and which mesh into each other when the instrument is closed, thus grasping and holding firmly the weeds or other substances to be pulled.

The jaws and handle of the instrument form, with the body thereof, obtuse angles of about one hundred and thirty-five degrees each, so that when the instrument is held in the hand, with the arm by the side, the jaws and handle of the instrument will be nearly or quite parallel with the surface of the ground.

As a new article of manufacture, I claim the herein-described instrument, consisting of serrated and longitudinally-grooved jaws, oblique shanks and handles, parallel or nearly so to the plane of the blades, as described.

DANIEL M. HOLMES.

Witnesses:

GEORGE W. NELSON,

THOS. B. BYRNE.