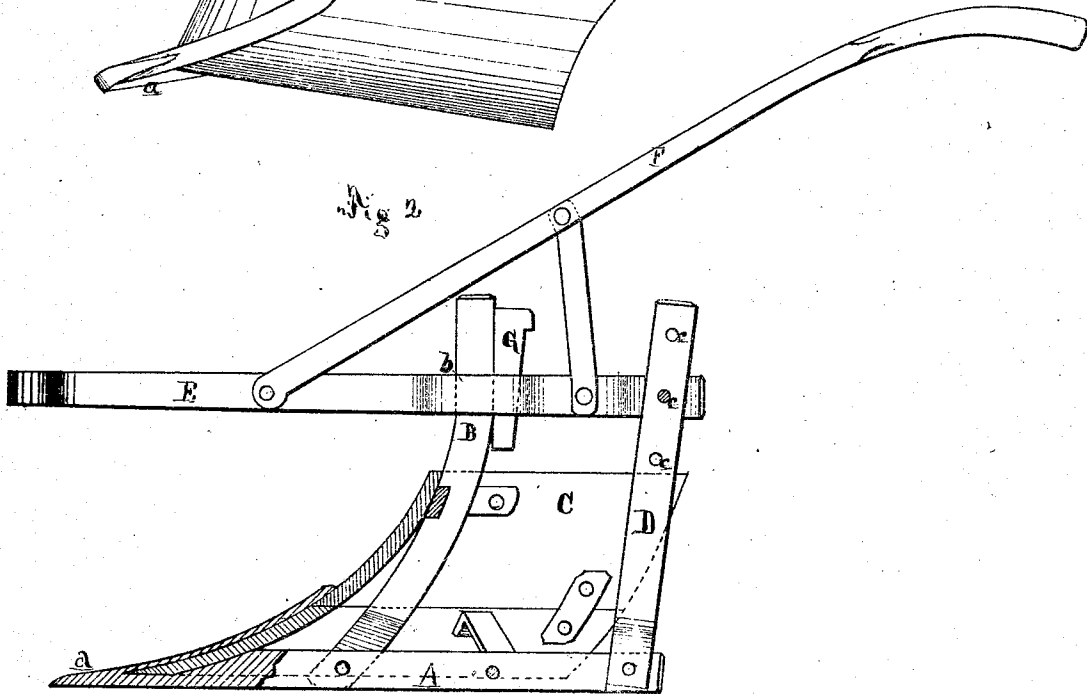
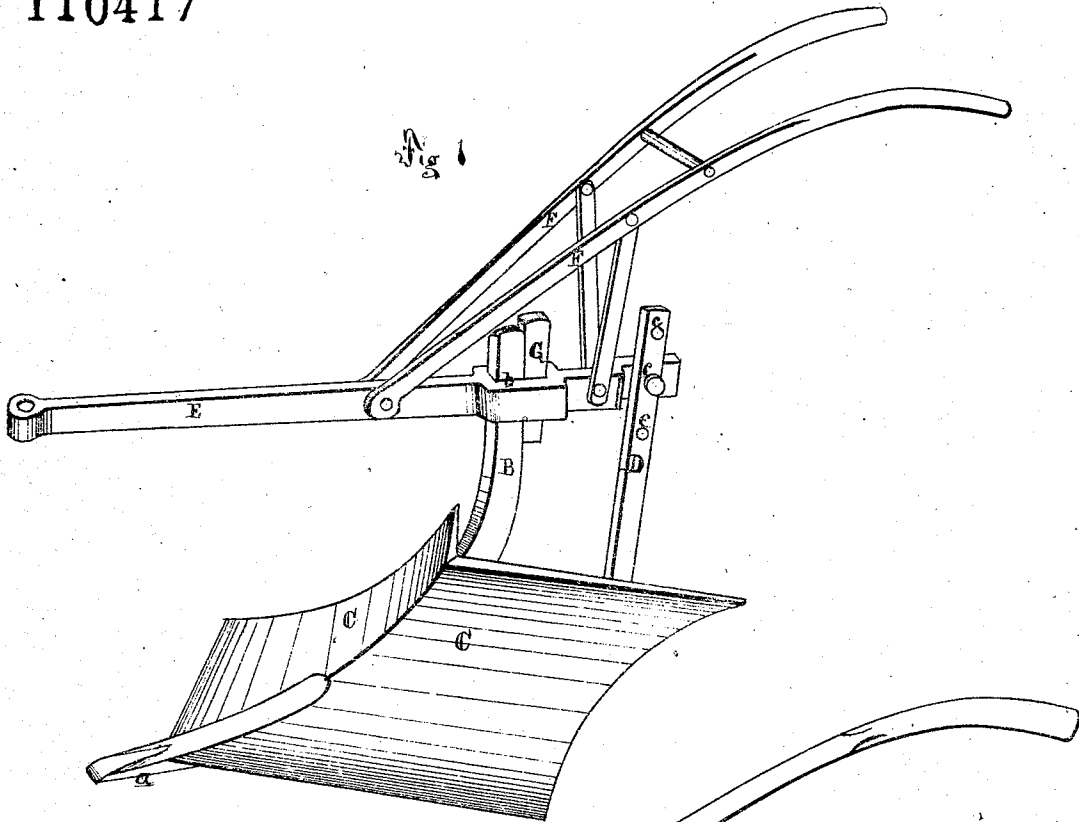


J. Archer's

Imp^{vd} Plough

PATENTED DEC 27 1870

110417



Witnesses:
Harry S. Sprague
Edward Goldthwaite

Inventor:
James Archer
Per Attorney
Thomas S. Sprague

UNITED STATES PATENT OFFICE.

JAMES ARCHER, OF SPRINGFIELD, WISCONSIN.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 110,417, dated December 27, 1870.

To all whom it may concern:

Be it known that I, JAMES ARCHER, of Springfield, in the county of Walworth and State of Wisconsin, have invented a new and useful Improvement in Plows; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 is a front perspective, and Fig. 2 is a side elevation, partially in section.

Like letters refer to like parts in each figure.

The nature of this invention relates to the construction of a double mold-board plow capable of being employed in the various operations of hilling potatoes, corn, and other plants, while it may be used as an efficient potato-digger.

The invention consists in the peculiar construction of a double mold-board plow with an iron standard and beam, the latter being so arranged as to be adjustable in a horizontal plane, as well as having a varying pitch, whereby the depth of cut is adjusted to the requirements of the occasion.

In the drawings, A represents a horizontal metallic bar, terminating in a plow-point, *a*. Midway of the length of this bar rises the metallic plow-standard B, from which and the wings of the point the mold-boards C extend outwardly, properly braced and secured to the standard and beam.

D is a vertical standard rising from the rear end of the bar A.

E is a plow-beam, preferably of wrought-iron, provided with the usual handles, F, and is slotted at *b* to slip over the vertical portion of the plow-standard B, where it is secured in any horizontal plane by a key, G, driven down the slot behind said standard. The rear end of the plow-beam is pivoted by a bolt to one of a series of holes, *c*, so that by means of the key the beam may have any desired pitch, as well as be adjusted in any horizontal plane, whereby a deep or shallow cut may be taken.

The advantages of the use of this implement will readily be seen, as by it, with a single horse, the hilling of potatoes and corn is effected with great ease and rapidity, while with two horses, and gaged to take a deep cut, it becomes a most efficient potato-digger.

I am well aware that double-shovel plows are by no means new, and while I expressly disclaim the invention of such,

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

The construction and arrangement, with the double mold-board C and plow-standard B, of the bar A, rear standard, D, slotted plow-beam E, and key G, substantially as and for the purposes herein set forth.

JAMES ARCHER.

Witnesses:

HARRY S. SPRAGUE,
G. E. GOLDTHWAITE.