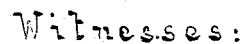


Impr val Plough

110417



Witnesses:  
Harry J. Sprague  
Edward Goldthwaite

Inventor:

Inventor:  
James Archer  
Per Attorney  
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# 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:

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