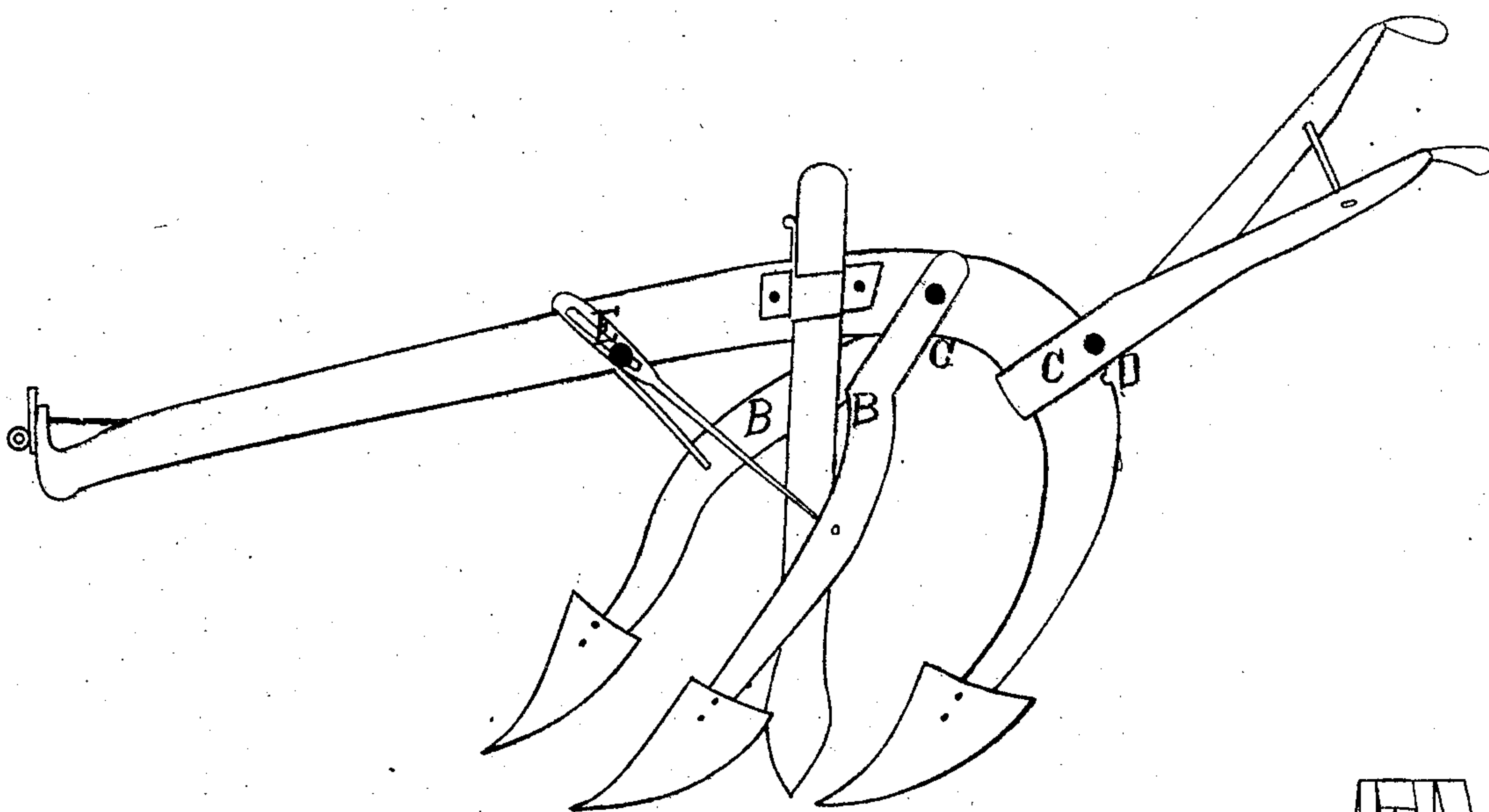


H. C. Chandler.

Shovel-Plow.

N<sup>o</sup> 73231

Patented Jan. 14, 1868.



WITNESSES

James M. Brown  
J. A. Tigner

INVENTOR

H. C. Chandler

# United States Patent Office.

HIRAM C. CHANDLER, OF ERIE TOWNSHIP, INDIANA.

*Letters Patent No. 73,231, dated January 14, 1868.*

## IMPROVEMENT IN SHOVEL-PLOUGHS.

*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, HIRAM C. CHANDLER, of Erie township, Miami county, State of Indiana, have invented a new and useful Improvement on Shovel-Ploughs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

First. To the beam A are attached, at the proper point, so as to admit of a backward or forward movement, the standards B B, to which are attached the two forward shovels. These standards are adjusted in their position backward or forward by the slotted rods E E, secured to the beam by a bolt passing through it.

Second. The double-slotted wedge F, applied under the beam A, and between it and the standards B B, at the point G, for the purpose of increasing or diminishing the width of the standards, and thus adjusting the shovels to any desired width.

Third. To the beam A are attached the handles C. The back part of the beam A is notched at the point of attachment of the handles, (one of which notches is represented in view at D,) at which point is a bolt passing through the handles and one of the notches to which it is desired to adjust the handles for height, by which, also, the handles are secured to the beam A in their proper desired position.

To enable others skilled in the art to make and use my invention, I construct the plough substantially as in the drawing represented, with an iron beam turned down at the end for the purpose of attaching the back shovel, and with iron handles, standards, and slotted supporting-rods to the standards, all attached to the beam by bolts, with notched beam at the point of fastening the handles, substantially as set forth in the drawings.

The object of my invention is, combining three different shovel-ploughs in the same construction, it being, as constructed and represented in combination, a three-shovel cultivator, and by removing either of the two forward shovels with the standard, leaving it a double-shovel plough, and by removing both forward shovels and their standards, making it a single-shovel plough; it also combining lightness, durability, and ease of adjustment, both as to the forward shovels either backward or forward, together with a lateral movement and the movement of the handles to a greater or less elevation.

What I claim as my invention, is—

1. The notched beam at D, for the purpose of adjusting the handles to the desired height by a bolt passing through them and the notch.

2. The double-slotted wedge F and method of application at the point G under the beam between the standards B B, to adjust them as to width, and the slotted rods E E securing a forward or backward movement of the standards B B and the shovels attached thereto, and fastened to the beam in the slots by a bolt or other similar device.

HIRAM C. CHANDLER.

Witnesses:

JAMES M. BROWN,  
JAS. N. TYNES.