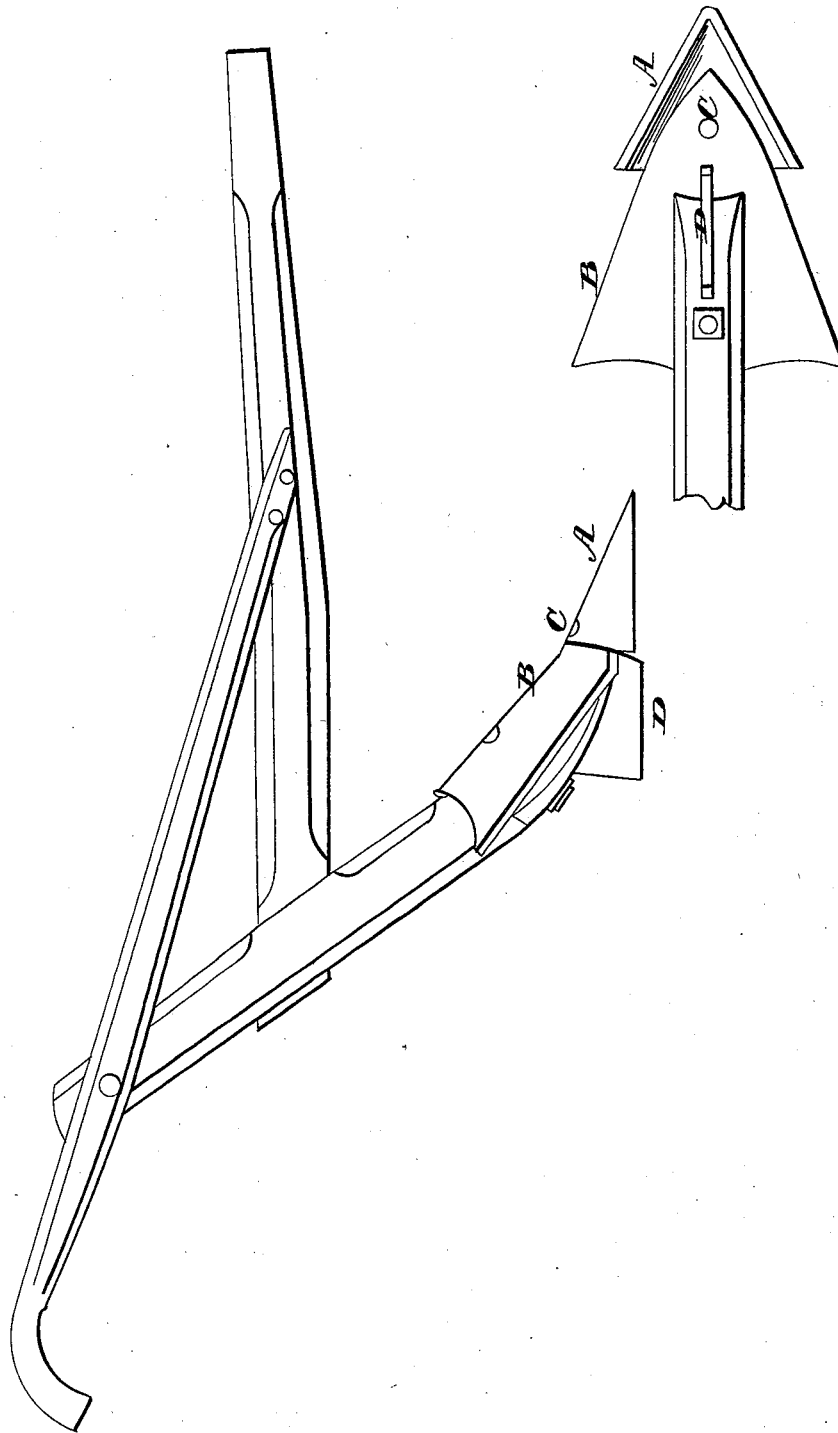


M. D. WELLS.

Shovel Plow.

No. 4,500.

Patented May 9, 1846.



UNITED STATES PATENT OFFICE.

MOSES D. WELLS, OF MONONGALIA COUNTY, VIRGINIA.

IMPROVEMENT IN SHOVEL-PLOWS.

Specification forming part of Letters Patent No. 4,500, dated May 9, 1846.

To all whom it may concern:

Be it known that I, MOSES D. WELLS, of Monongalia county, and State of Virginia, have invented a new and Improved Shovel-Plow; and I do hereby declare that the following is a full and exact description of the nature of my invention in the construction of the shovel-plow with a rudder.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my shovel-plow by attaching a point, A, either of cast-iron, wrought-iron, or steel, to a cast-iron shovel, B, which point I make secure by means of a bolt and screw, C. The point I make of a triangular form, and so as to fit the shovel, the point being three inches wider than the shovel at the shoulder of the lap.

The plow may be stocked in any of the known forms, to which I attach a rudder, D, which I secure by bolt and screw in the lower end of the helve, the rudder consisting of a plate of iron inserted in the helve by means of a groove cut for its insertion, extending one inch below the point of the plow. When in a proper position for plowing, by means of which rudder so inserted the plow is prevented from deviating from its intended direction.

What I claim as my improvement is—

The constructing the shovel-plow with a rudder, D, arranged in the manner described.

MOSES D. WELLS.

Witnesses:

GEORGE FRENCH,
THOS. J. DUVALL.