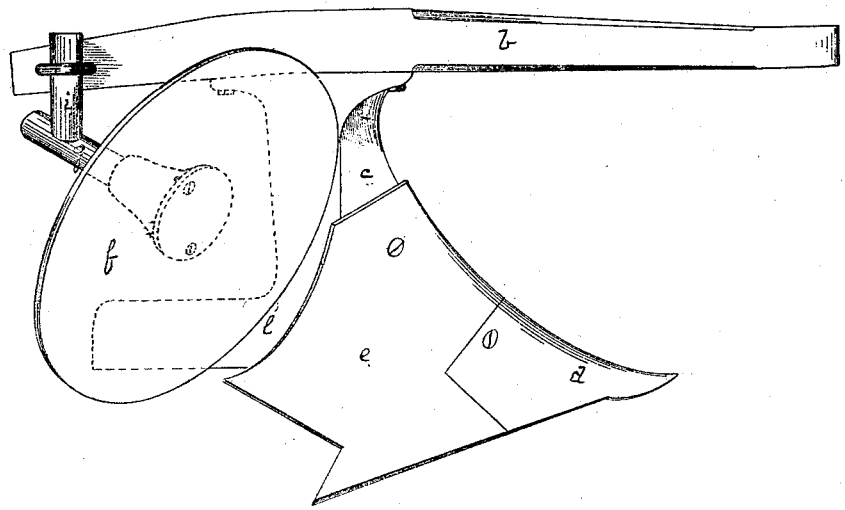
J. S. Godfrey,

Revolving Mold Board.

No. 113,760. Patented Apr. 18. 1871.



Witnesses:

R. C. Marshall

James A. Kay.

Inventor:

Joseph S. Godfrey,

by Bakewell, Christy & Hart,

his Atty's.

UNITED STATES PATENT OFFICE.

JOSEPH S. GODFREY, OF ROCHESTER, ASSIGNOR TO HIMSELF AND SEARS M. LOVERIDGE, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN REVOLVING MOLD-BOARDS FOR PLOWS.

Specification forming part of Letters Patent No. **113,760**, dated April 18, 1871.

To all whom it may concern:

Be it known that I, JOSEPH S. GODFREY, of Rochester, in the county of Beaver and State of Pennsylvania, have invented a new and useful Improvement in Revolving Mold-Board Plows; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, which represents a side elevation of my improved plow, taken on the mold-board side.

My improvement relates to the arrangement of a revolving flat circular-disk mold-board in connection with the other operative parts of a plow, whereby the same is adapted for use in some peculiar varieties of soil.

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

The beam *b*, standard *c*, landside *l*, and handles may be of the usual or any known construction, as also the point D.

The shim-piece *l*, which may be made separate or as an extension of the point, has the slope of the forward part of an ordinary mold-board; but it extends back and up only a short distance, and terminates in an edge curved as shown, or of other suitable form, whereby provision is made for the arrangement in connection therewith and operation of the revolving circular flat disk *f*, which performs the function of the upper and rear end of the old form of mold-board. This disk *f* is made from sheet or plate metal, preferably steel, and by a spindle-and-socket connection, *g*, and by a post, *i*, or by other known suitable fastening devices, it is connected to the rear extension of the beam *b*, or to other fixed part of the plow. A scraper for keeping it clean may be combined with it, if so desired, though in some soils it will not be found necessary. This revolving mold-board is set so that its lower edge shall be from two to six inches (more or less) above the bottom of the furrow which it makes, or above the lower level of the point *d* and shim *l*. The furrow-slice will then strike it in the lower forward quadrant and cause it to rotate, and it, as it rotates, will turn the furrow-slice well over and leave the soil in good condition for further operations.

I am aware that it is not new to arrange a concave-faced disk with its lower edge above the bottom of the furrow, so that it shall be rotated solely by the action of the furrow-slice, that being shown in Letters Patent heretofore granted to me.

I am also aware that a flat-disk mold-board is not of itself new, and hence I limit myself herein to the invention set forth in the following claim, to wit:

A revolving flat plain-faced circular-disk mold-board arranged in connection with and with reference to the lower level of the point and shim-piece, substantially as described.

In testimony whereof I, the said JOSEPH S. GODFREY, have hereunto set my hand.

JOSEPH S. GODFREY.

Witnesses:

JOHN GLENN,

JAMES I. KAY.