

J. P. DEXHEIMER.

Reversible Plows.

No. 148,877.

Patented March 24, 1874.

Fig. 1.

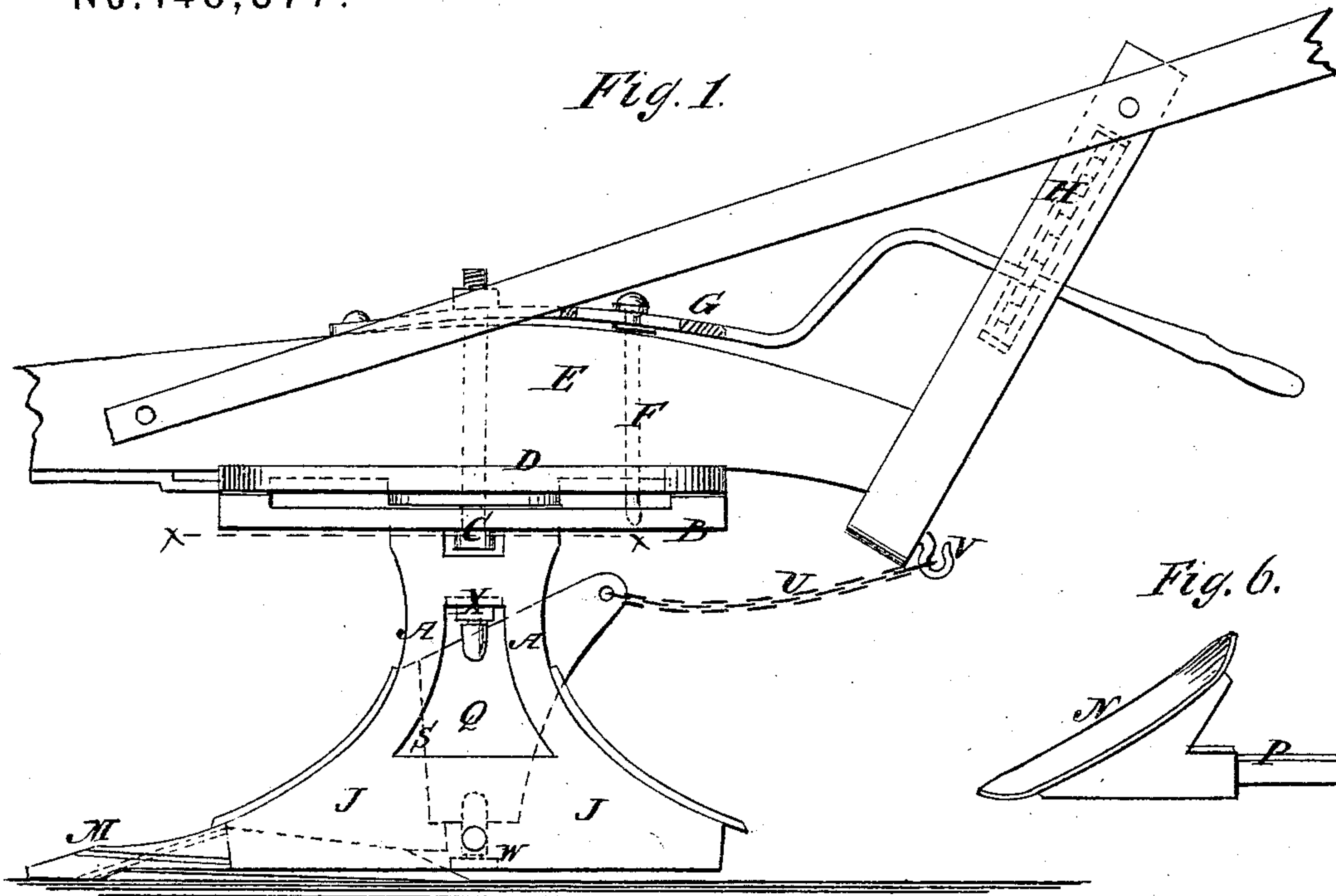


Fig. 6.

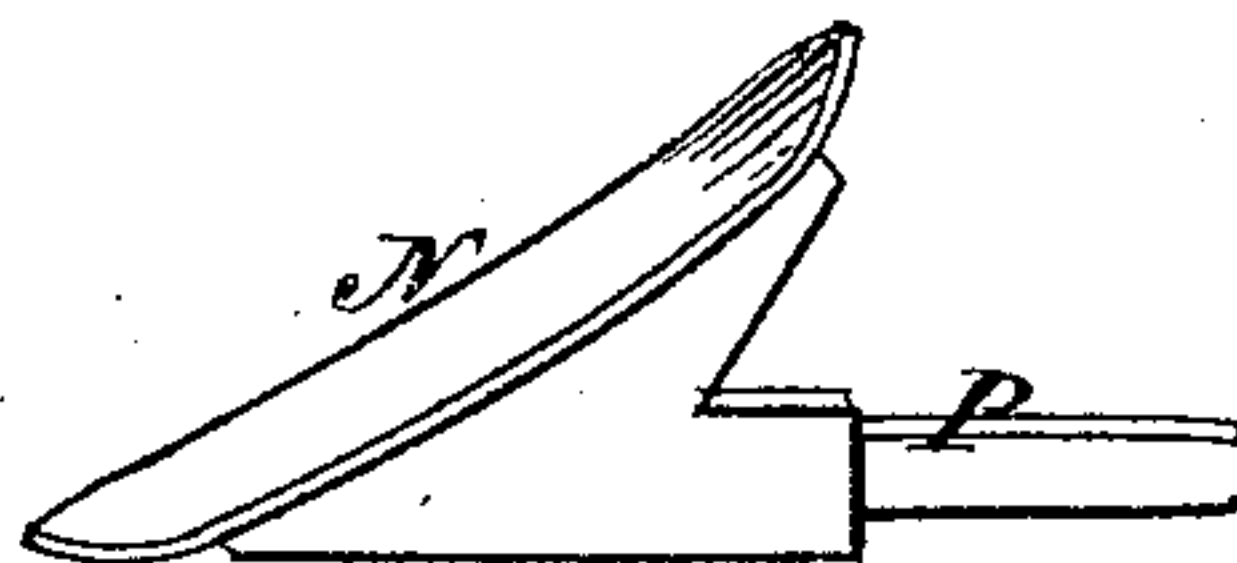


Fig. 3.

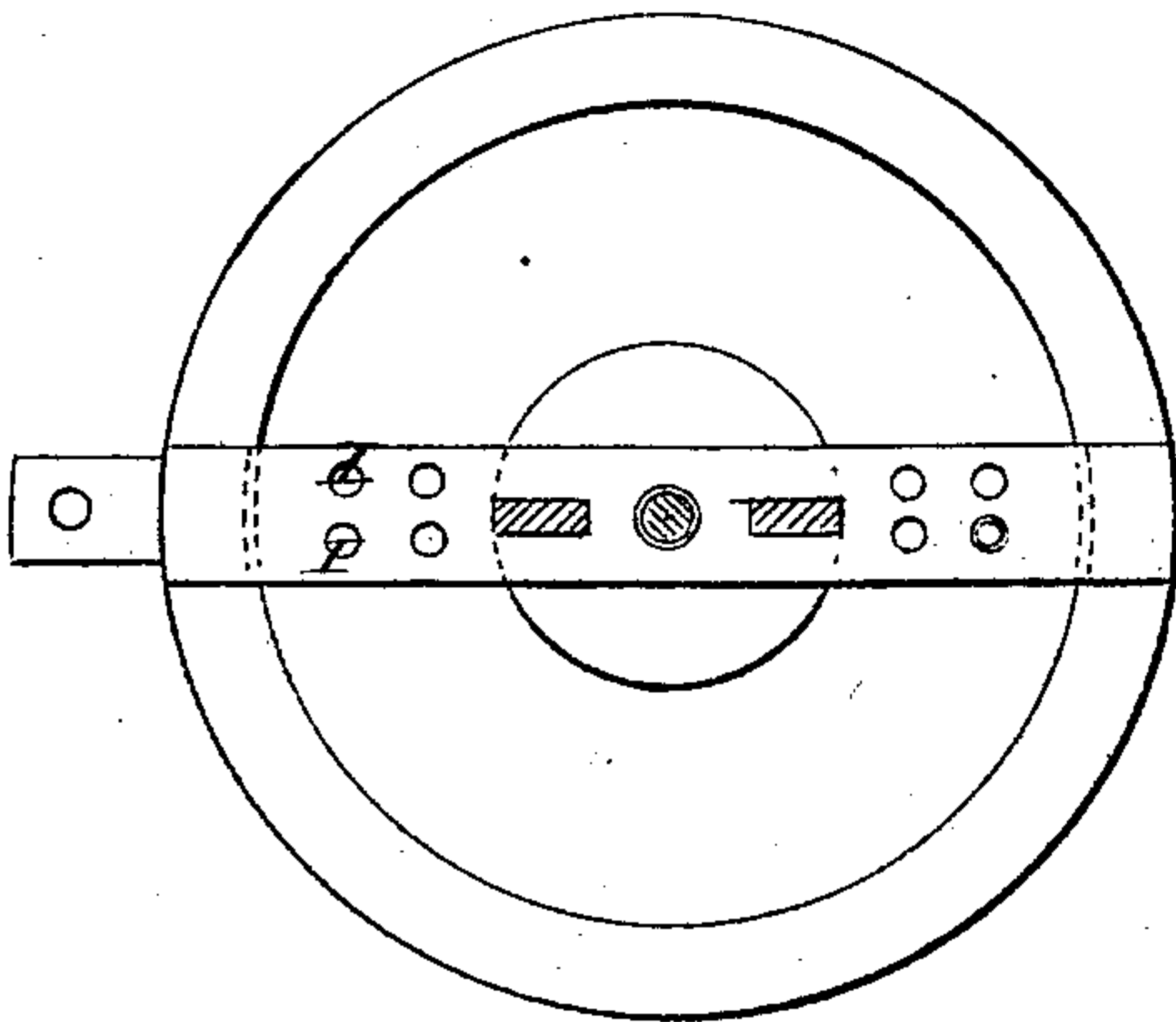


Fig. 2.

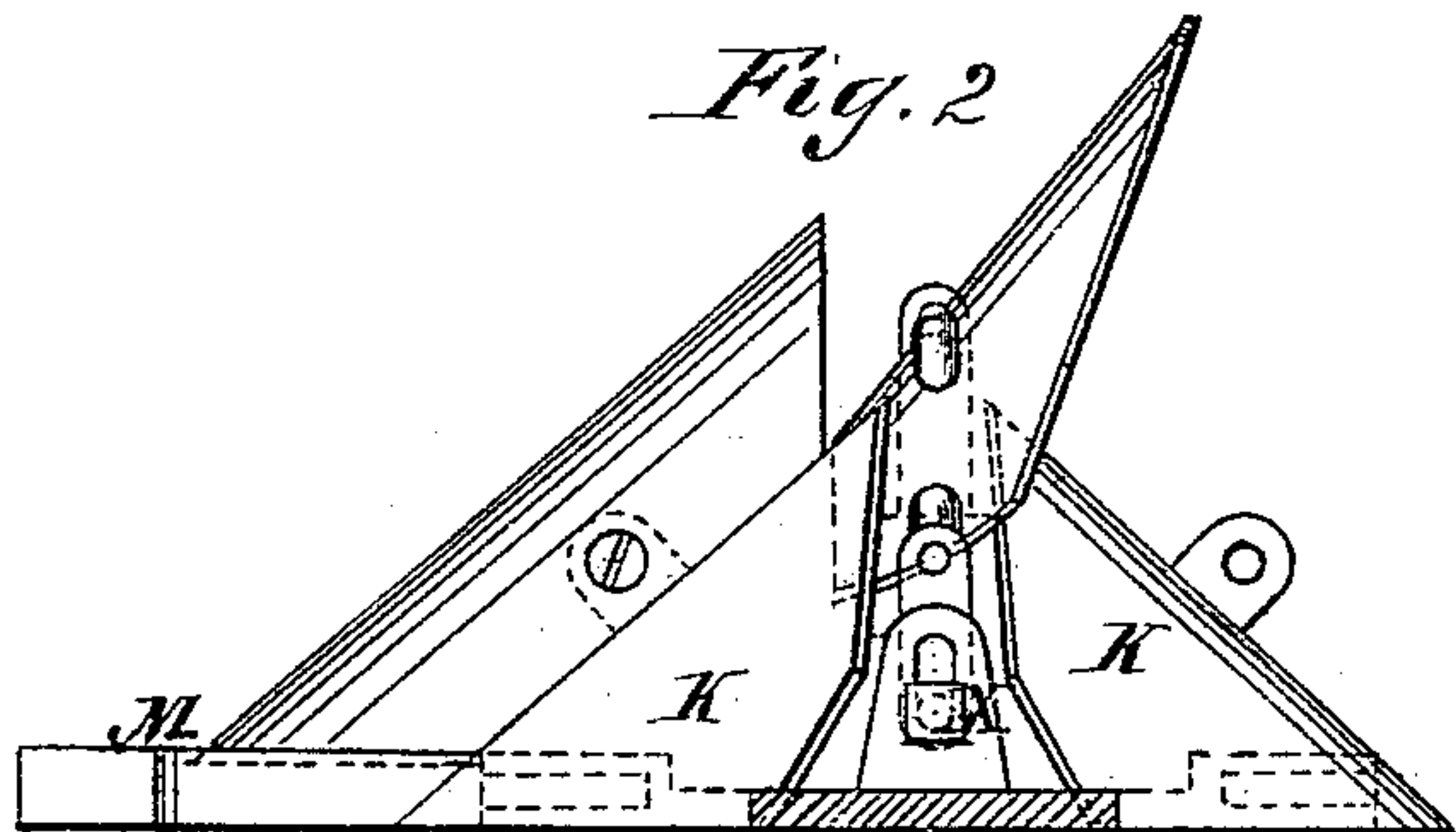


Fig. 4.

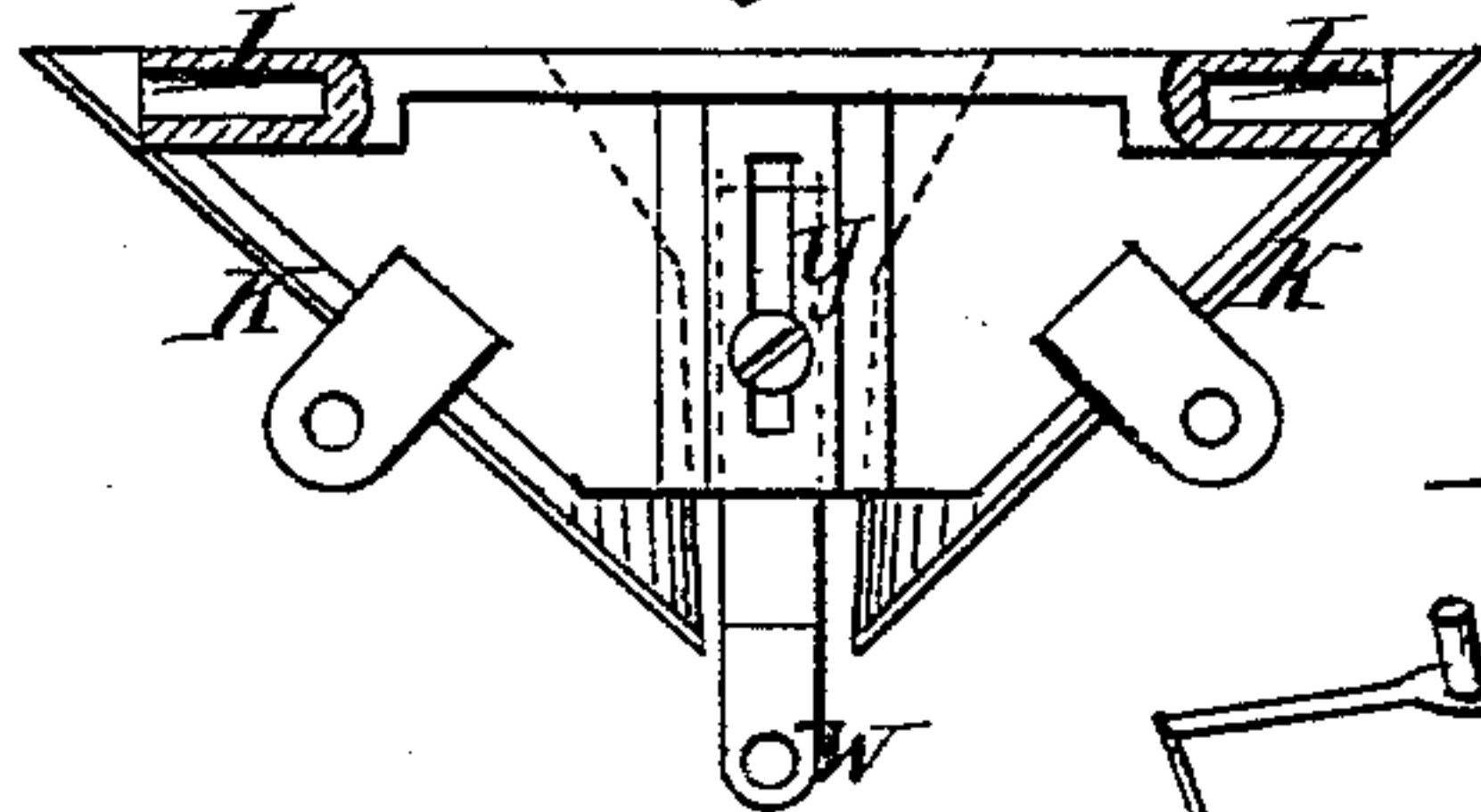


Fig. 5.

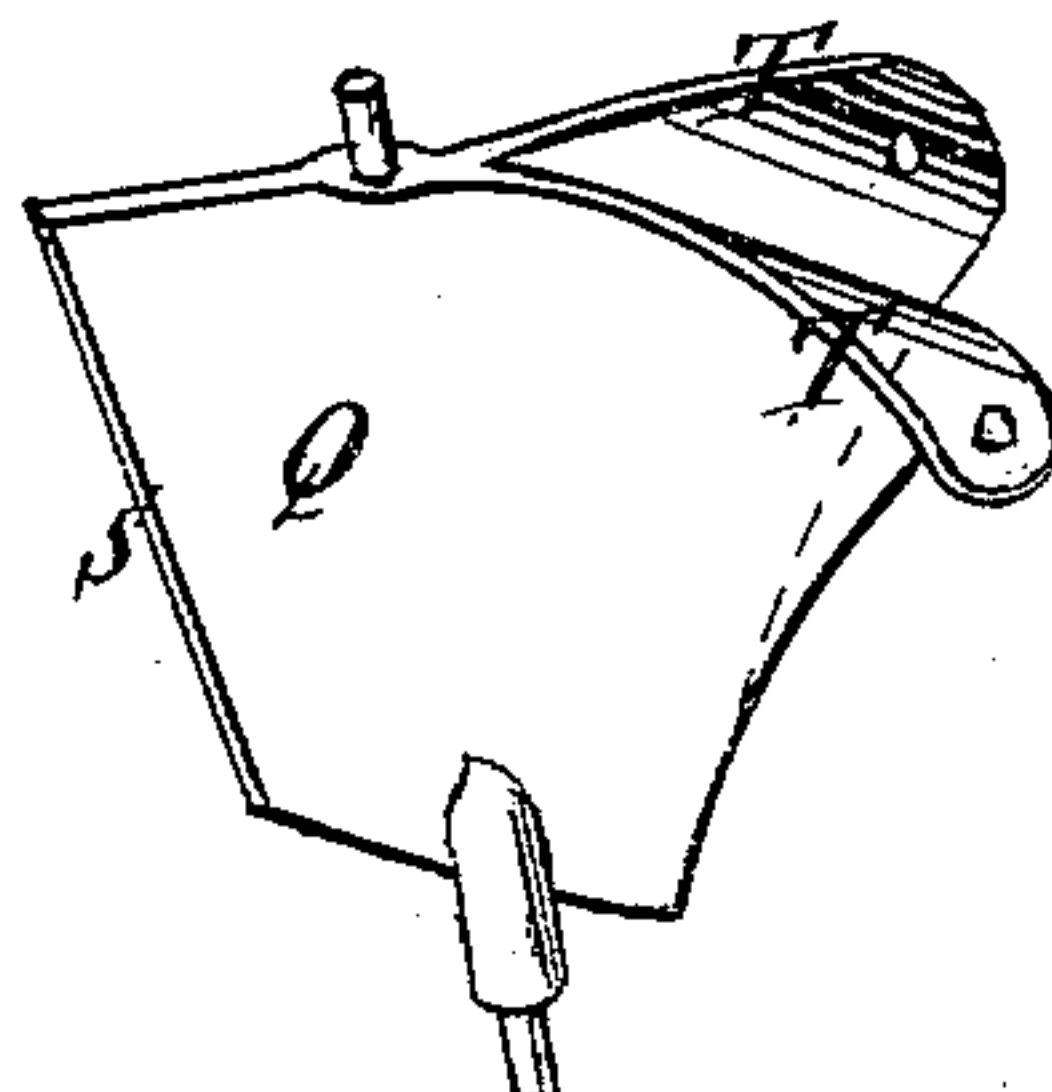
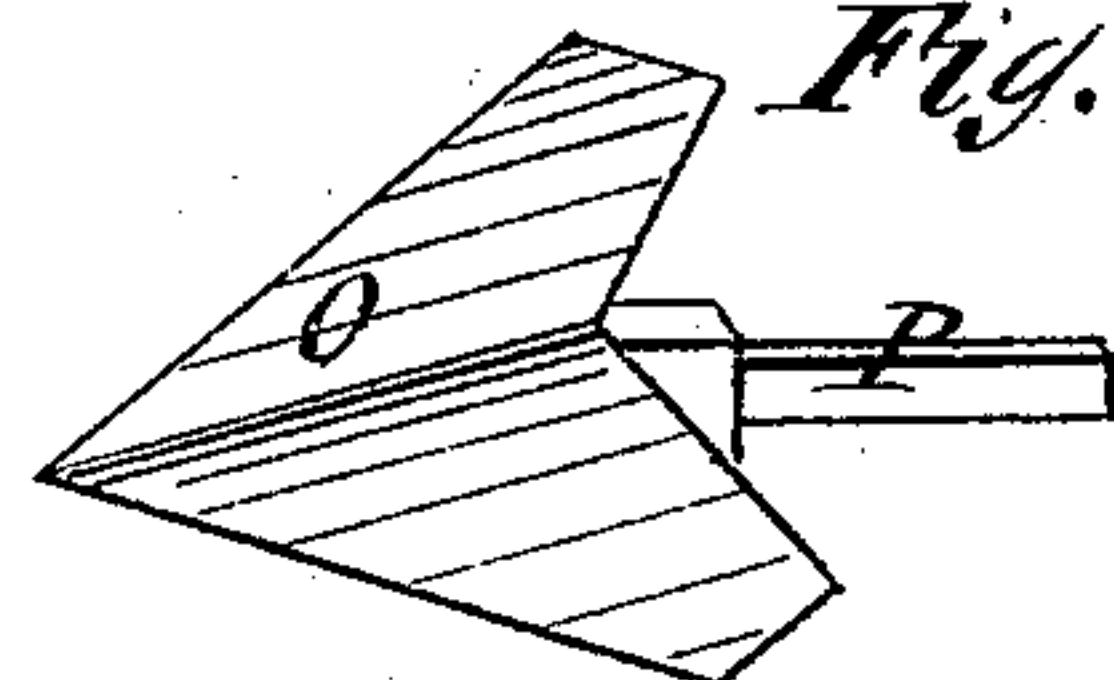


Fig. 7.



Witnesses.

E. Wolff
C. Sedgwick

Inventor.

J. P. Dexheimer
Per *Mumford*
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN P. DEXHEIMER, OF LAWRENCEBURG, INDIANA.

IMPROVEMENT IN REVERSIBLE PLOWS.

Specification forming part of Letters Patent No. 148,877, dated March 24, 1874; application filed September 20, 1873.

To all whom it may concern:

Be it known that I, JOHN PHILIP DEXHEIMER, of Lawrenceburg, in the county of Dearborn and State of Indiana, have invented a new and useful Improvement in Reversible Plows, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a side elevation of my improved plow. Fig. 2 is a horizontal section taken on the line *x x* of Fig. 1, looking downward. Fig. 3 is a horizontal section on the same line, looking upward. Fig. 4 is partly a plan of the bottom, and partly a horizontal section. Fig. 5 is a side elevation of a reversible extension mold-board. Fig. 6 is a side elevation of a shovel-plow attachment to the standard, and Fig. 7 is a side elevation of a subsoil attachment.

Similar letters of reference indicate corresponding parts.

A is the standard, to the top of which a strong bar, B, is attached, and it is pivoted at C to the center of a disk, D, which is firmly bolted to the under side of the beam E, so as to turn a half-revolution to shift the mold-boards for turning right or left. This bar is secured by the stop-pin F, to hold the plow to its work. The said stop-pin extends down through the beam from a spring-lever, G, above said beam, to which it is attached, and is forced down by the spring. The lever is lifted up and engaged with the ratchet H, to hold the stop-pin up when the plow is to be lifted. The bar is provided with two holes, I, for the stop-pin, so as to be held more or less to the land, as may be required for different kinds of work. J is the double land-side, and K the mold-boards. At the points of the mold-boards and land-side I make a socket, L, for the attachment of the share M, or shovel

or subsoil plows N O, which I provide with a square shank, P, to fit in said socket, and the point I make reversible, so that when worn off on the bottom it can be removed by being turned bottom side up. The stationary mold-boards K being too short, an auxiliary extension-board, Q, has to be used, which is mounted on pivots R, so as to be shifted for either of the stationary ones. The straight edge S matches onto the rear edge of the stationary board, and the other edge is provided with the two curved ears T, one of which constitutes the upper extremity of the mold-board for the side, and the other the corresponding part for the other side. These ears I connect by a chain, U, with the hook V at the rear end of the beam, so that when the plow-beam is shifted the chain will shift the extension-board. The pivots of this extension-board are fixed in the bearing-brackets W and X, and the former is arranged to slide in a bearing, Y, in the bottom of the plow, and is provided with a bolt to hold it at any desired point, and the former is adjustable in the X, which is itself adjustable to extend the mold-board more or less to regulate the turning of the furrow, as may be desired for different kinds of work.

This plow may be used as an ordinary single or right or left hand plow, either with or without one of the duplicate parts removed. It is preferable to remove one of the parts in such case to lighten the plow.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The adjustable support W X for the extension mold-board, substantially as specified.

JOHN P. DEXHEIMER.

Witnesses:

JOHN HUNT,

W. H. DOWDELL.