

J. FOWLER.

Plow.

No. 52,407.

Patented Feb. 6, 1866.

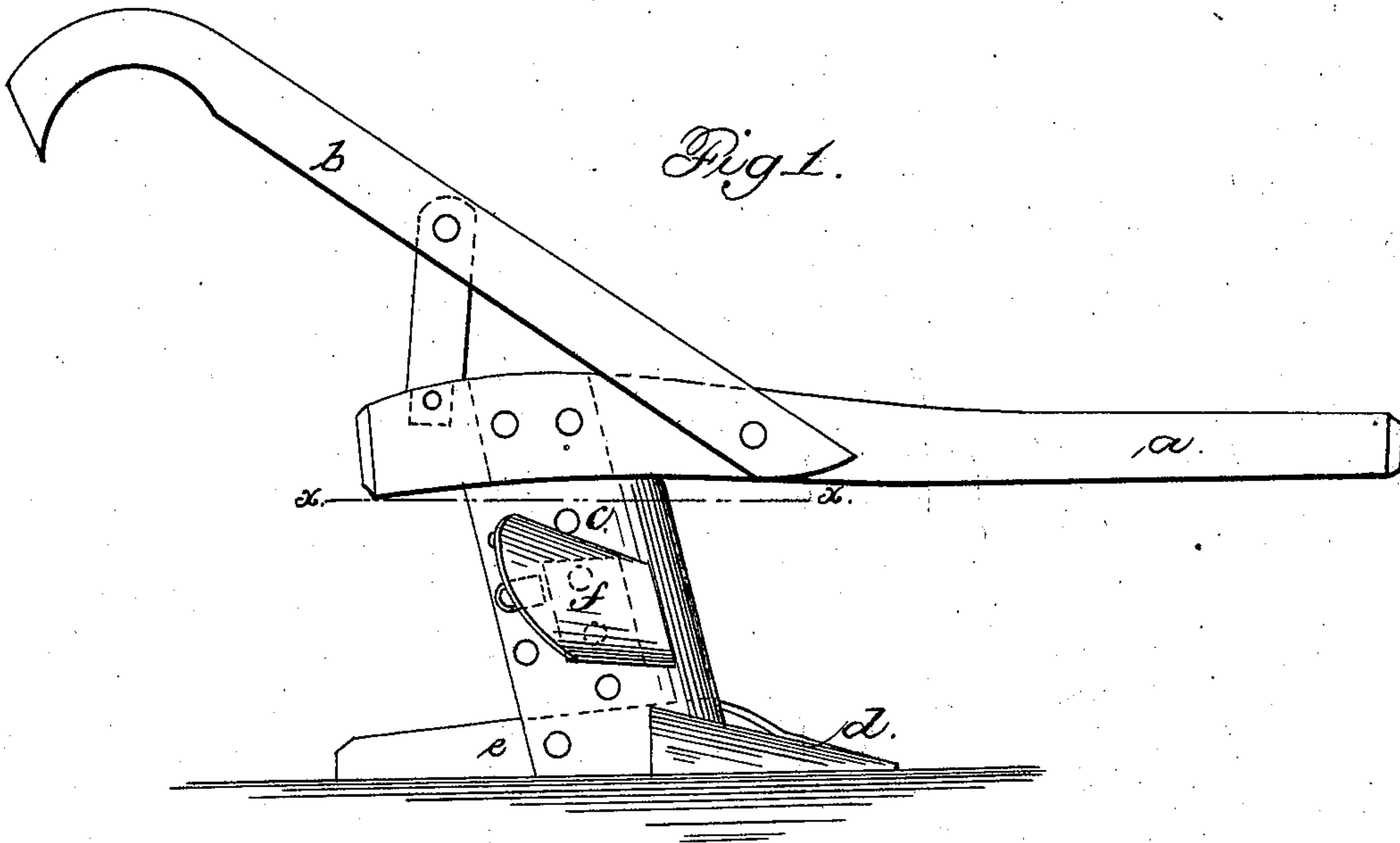
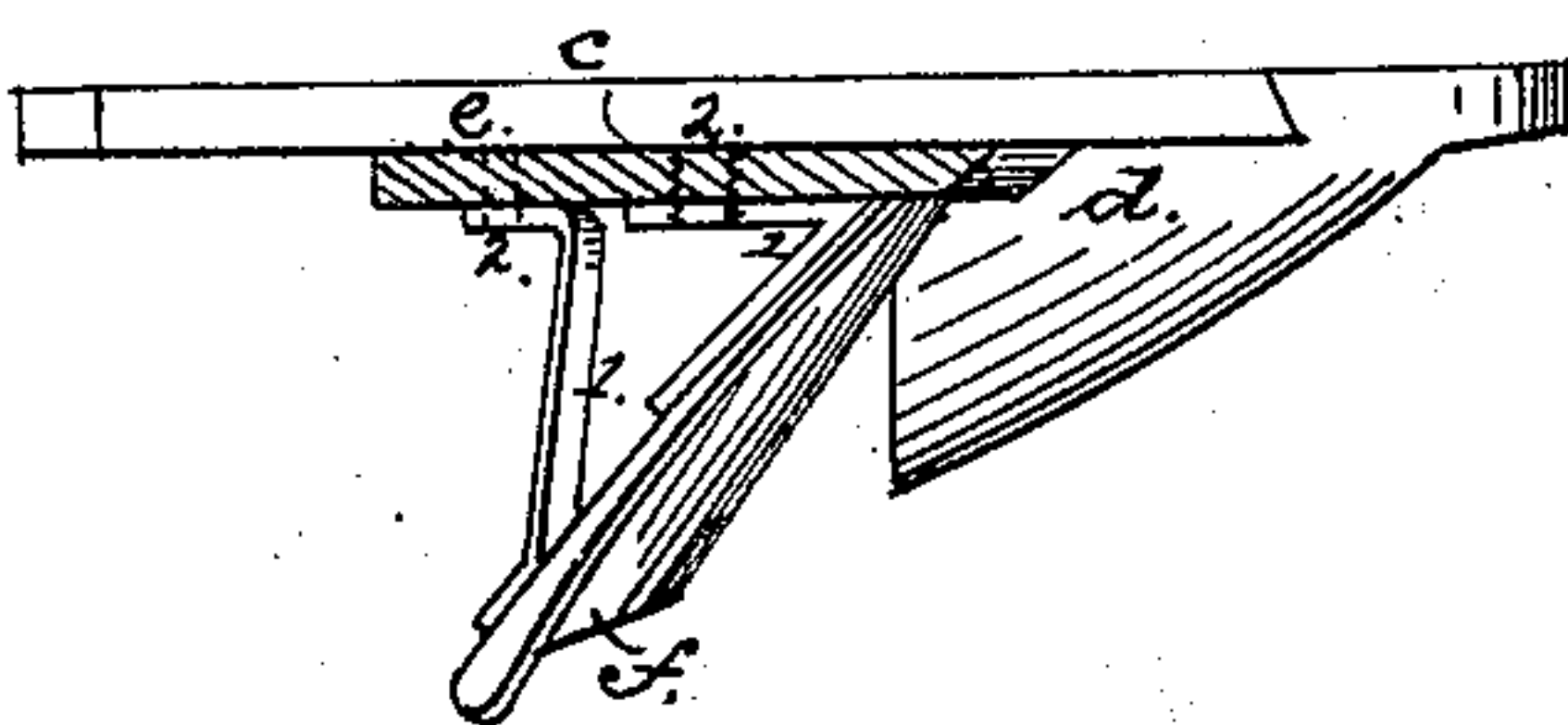


Fig. 2.



WITNESSES:

Geo. D. Walker

INVENTOR:

Joseph Fowler

UNITED STATES PATENT OFFICE.

JOSEPH FOWLER, OF RAHWAY, NEW JERSEY.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 52,407, dated February 6, 1866.

To all whom it may concern:

Be it known that I, JOSEPH FOWLER, of Rahway, in the county of Union and State of New Jersey, have invented and made a certain new and useful Improvement in Plows; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a side view of said plow, and Fig. 2 is a sectional plan at the line *x x*.

Similar marks of reference denote the same parts.

Plows have heretofore been made in which the mold-board could be raised or lowered for turning a furrow-slice of variable thickness, while the subsoil-blade continues to act at a given depth.

My invention relates to this character of a plow; and it consists in a vertical plate extending from the subsoil-blade to the plow-beam, and in which are holes receiving bolts that attach an adjustable share that can be raised or lowered according to the depth of furrow required.

By employing the vertical plate there is a flat side presented, in plowing, to the land-side, which causes the plow to be much lighter draft than would be the case if the said mold-board were supported by separate bars.

In the drawings, *a* is the plow-beam, and *b*

b the handles. *c* is a vertical plate, the front edge of which is beveled like a colter, and inclined, said plate being attached to the beam *a* at the upper end, and provided with a subsoil plow or blade, *d*, at its lower end having a shoe or landside, *e*. The blade *d* is made separately, and may be of steel, so as to be replaced in case of wear.

f is the movable mold-board, made of the proper shape for turning the furrow, and said mold-board is supported by angle-pieces or back-braces 1 1, and these are attached by means of screws 2 2 that pass through the plate *c* into these braces 1 1. There are two or more ranges of holes in this plate *c*, so that the mold-board *f* may be placed close to the blade *d*, to act as an ordinary plow, or at any desired height above for sub-soiling.

What I claim, and desire to secure by Letters Patent, is—

The plate *c*, extending from the beam to the blade *d*, in combination with the movable or adjustable mold-board *f*, attached to said plate *c* at any desired height, as and for the purposes set forth.

In witness whereof I have hereunto set my signature this 16th day of November, A. D. 1865.

JOSEPH FOWLER.

Witnesses:

GEO. D. WALKER,
CHAS. H. SMITH.