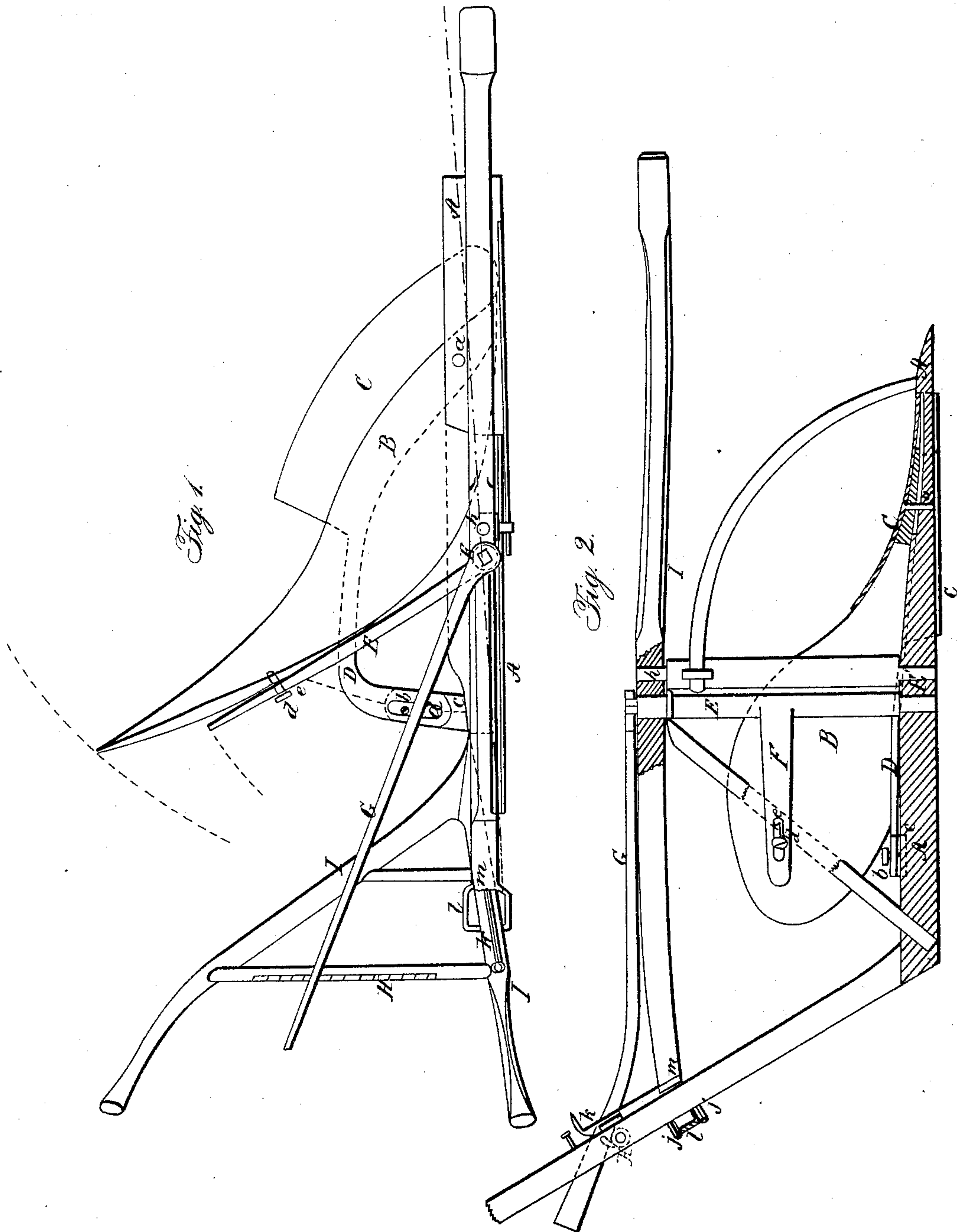


H. F. BAKER.

Plow.

No. 11,821.

Patented Oct. 24, 1854.



UNITED STATES PATENT OFFICE.

HENRY F. BAKER, OF CENTREVILLE, INDIANA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 11,821, dated October 24, 1854.

To all whom it may concern:

Be it known that I, HENRY F. BAKER, of Centreville, in the county of Wayne and State of Indiana, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan or top view of a plow with my improvements. Fig. 2 is a side elevation of the same.

Similar letters of reference in each of the two figures indicate corresponding parts.

This invention relates to a new, simple, and useful improvement in hillside plows, whereby the mold-board can be expanded and again contracted with greater ease and facility than heretofore by the plowman, so as to suit the different widths of the furrows, as will be presently shown.

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

A represents the plow; B, the mold-board of the same, and C the share cast on the mold-board. These parts are all united together by a fulcrum-pin, *a*, as shown in Fig. 1.

D is a curved arm cast on the share C. It extends back and passes under the mold-board B, and is attached by a pin, *b*, to an arm, *c*, cast on the left side and near the back end of the plow A, as shown. The pin *b* passes loosely through a curved slot, *d*, cast in the arm D, and secures said arm, and thereby the share, to the arm *c* of the plow A, in the manner shown. The slot *d* allows of the share being moved freely in and out in the arc of a circle as the mold-board is adjusted.

E is a vertical vibrating rod passing through the beam J, and having its bearing in the plow at E', as shown.

F is a slotted arm cast on this rod. Its end is secured to the under side of the mold-board by a pin, *d*, which passes through a slot, *e*, cast in the arm F. The slot *e* allows of the mold-

board having a movement in and out in the arc of a circle, as illustrated by red lines in Fig. 1.

G is a lever fitted on the square end of the vertical rod E. This lever serves for turning the rod E, and thereby moving the mold-board and share out or in, as desired.

H is a stop-bar, secured on one of the rounds which connect the handles I I of the plow together. The teeth of this bar serve for the lever to bear against after the mold-board and share have been expanded or contracted, as will be seen in Fig. 1. By this simple arrangement the plowman is enabled to adjust the mold-board while standing at the back of the plow with ease and facility to suit any width of row, as may be evident.

It is important to have the parts arranged so that they may be operated by the plowman while he is behind the plow, as it is not always safe to leave the team for this purpose.

I do not claim making mold-boards of plows capable of being expanded and contracted independent of the manner of effecting the same; but

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

The manner herein described and shown of providing the share C, which forms part of the mold-board B, with a curved slotted arm, D *d*, and the mold-board with a curved slotted arm, F, and attaching the slotted curved end of D to the arm *c* and its forward end to the point A, and combining the same with the curved slotted arm F and adjusting-lever G through the vibrating rod E, in such a manner that the plowman can, while behind the plow, adjust the mold-board in the arc of a circle with greater convenience and facility than heretofore, substantially as and for the purposes described.

HENRY F. BAKER.

Witnesses:

WILLIAM DUEY,

WILLIAM W. CLINEDINST.