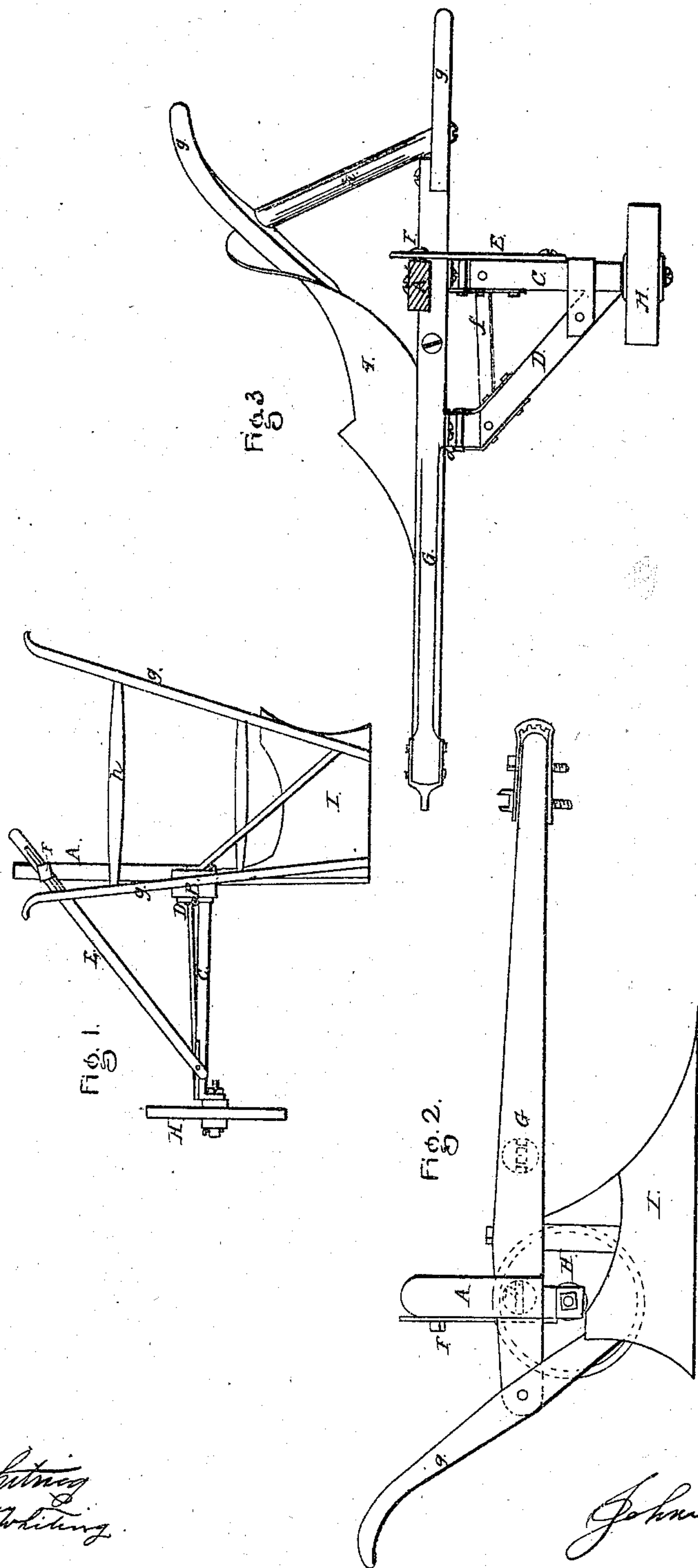


J. M. WHITNEY.
 PLOW.

No. 23,134.

Patented Mar. 1, 1859.



Witnesses:

John Whitney
Sarah S. Whitney

Inventor:

John M. Whitney

UNITED STATES PATENT OFFICE.

JNO. M. WHITNEY, OF BOLTON, MASSACHUSETTS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 23,134, dated March 1, 1859.

To all whom it may concern:

Be it known that I, JOHN M. WHITNEY, of Bolton, county of Worcester, in the State of Massachusetts, have invented a new and useful Improvement in Holding Plows; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in arranging with the plowshare and its beam an adjustable frame carrying a rotating regulating-wheel, as hereinafter specified.

To enable those skilled to make and use my improved plow, I will proceed to describe its construction and operation, referring by letters to the accompanying drawings, forming part of this specification, and in which—

Figure 1 represents a back elevation; Fig. 2, an elevation on the land side, and Fig. 3 a top view of the same.

Similar letters denote the same parts in the different views.

I represents the mold-board, G the beam, and g the handles, of a plow of ordinary construction, and to which is attached by journal-boxes B d on the land side of the plow the adjustable swinging frame C D.

E is an adjusting brace-rod, which is pivoted at one end to the rear side of the frame-piece C, near its extremity, and secured in any desired position at its other end by a set-screw, F, passing through a slot in said rod E and into the standard A.

H is a rotary ground-wheel which travels on the land side of the plow.

From the foregoing description of the construction of my improved plow arrangement

it will be understood to operate as follows: As the plow is started to form the furrow the wheel H, with its frame C D, on the land side of and sufficiently heavy to control the other parts of the apparatus, travels upon the ground and governs the run of the plow by controlling the angle at which the mold-board works, thus regulating perfectly its operation and the depth of furrow. The run of the plow, it will be seen, may be readily varied according to variable circumstances under which it may have to work by the adjustment up and down of the wheel H and its frame-work C D.

It will also be seen that the apparatus for regulating the operation of the plow in forming the furrow, being abreast of the body of the plow, does not at all hinder the operator in turning the latter at the end of the furrow.

I am aware of wheels having been used in connection with a plow, and do not claim broadly any such device; but,

Having described the construction and operation of my improvement, what I claim therein as new, and desire to secure by Letters Patent, is—

The arrangement of the hinged arms C D, adjustable brace E, and standard A, with the wheel H and plow-beam G, the whole being constructed for operating substantially as and for the purpose herein described.

In testimony whereof I have hereunto set my hand and seal this 11th day of February, 1859.

JOHN M. WHITNEY. [L. S.]

Witnesses:

I. N. MCINTIRE,
HENRY W. TURPIN.