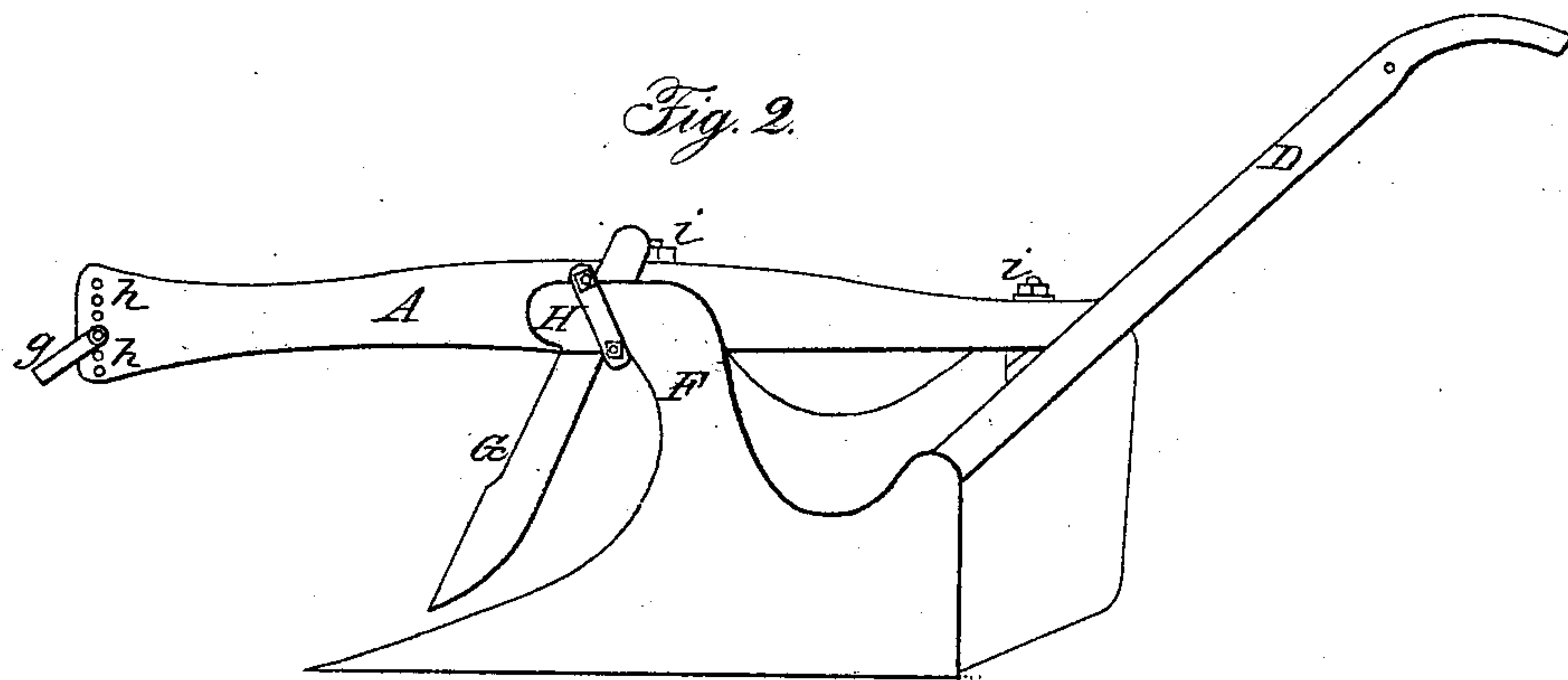
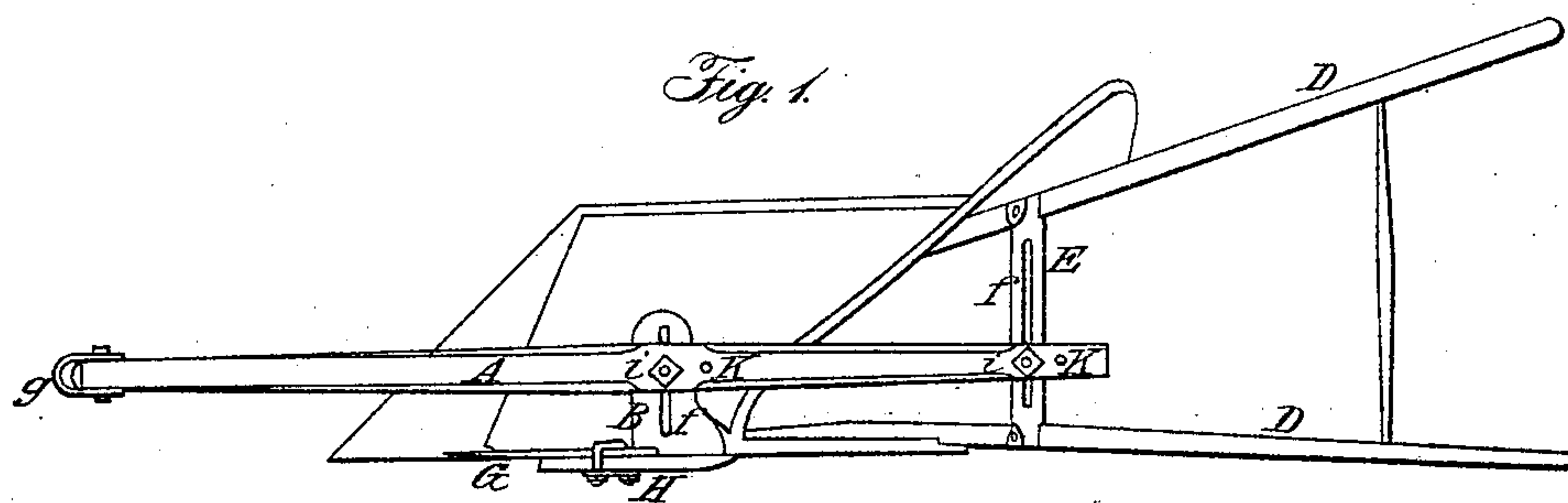


G. M. & G. S. SALSURY.

Plow.

No. 39,425.

Patented Aug. 4, 1863.



Witnesses:

R. F. Osgood
D. C. Johnson

Inventor:

G. M. and G. S. Salsbury
by J. Fraser atty

UNITED STATES PATENT OFFICE.

GUY M. SALSBUURY, OF WILSON, AND GEO. S. SALSBUURY, OF CLARENDON, N. Y.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 39,425, dated August 4, 1863.

To all whom it may concern:

Be it known that we, GUY M. SALSBUURY, of Wilson, in the county of Niagara and State of New York, and GEORGE S. SALSBUURY, of Clarendon, in the county of Orleans and State aforesaid, have invented certain new and useful Improvements in Plows; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan view of our improved plow. Fig. 2 is a side elevation.

Like letters designate corresponding parts in both figures.

Our invention consists in securing the beam to the plow in such a manner that it is adjustable laterally in any requisite degree for cutting different widths of furrow, or is set to any desired angle, and is at the same time adjustable longitudinally forward and back to regulate the draft; and, also, in the use of an independent colter-beam in connection therewith, arranged in such a manner that while the beam is adjustable, as described, the colter always retains its relative position with the mold-board; and, further, in the use of a set of vertical clevis-holes in the forward end of the beam, in which the clevis is adjustable, as hereinafter described.

The mold-board used may be of any convenient or desirable form; but we prefer one in which the twist is uniform throughout its entire length, and which, when tested transversely by a straight-edge at any point, presents a plane surface thereto, thus conforming most nearly to the shape and action of the turning furrow.

To enable us to properly adjust and regulate the draft, we place the beam A on a cross arm or bar, B, which projects inwardly from the standard, and which is provided with a slot, *f*, transversely of the landside. The rear end of the beam rests on a similar slotted cross-bar, E, between the handles D D. Bolts *i i* pass vertically through the beam and slots in these bearings, and by these means the beam is capable of being moved laterally from the landside, keeping it parallel therewith, or the draft may be varied by inclining the beam to adapt it to

one, two, or three horses, or to get the line of draft accurately centered horizontally. Gage-marks are provided on these bearings, by which to regulate the movements of the beam. The beam may be adjusted longitudinally to give greater or less length, and thereby regulate the center of draft vertically by changing the bolts *i i* in the holes *k k*.

The beam may be made of wood or iron, as most convenient, and its construction is such that it can readily be applied in either case. We construct it at the forward end of less breadth or thickness than is usual, and expand it vertically to give sufficient material for the requisite strength and admit of receiving a series of clevis-holes, *h h*, placed in a vertical line. With these we use a simple yoke-clevis, *g*, and adjust it only to guide the depth or regulate the draft of the plow, the lateral adjustments being all produced by moving the beam on its bearings B E, as described. This greatly simplifies the adjustment of the draft and depth, while it subjects the implement to less strain.

The standard F has on the landside an auxiliary beam, H, for attaching the colter G, by which it is at all times held in exactly the position required—viz., on a plane with the landside of the plow, where it is unaffected by the changes made in the position of the draft-beam A, which is left free to be moved as exigencies may require.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. Providing a plow with the independent short beam H, for the purpose of attaching the colter, substantially as described.

2. In combination with the short-beam H, the adjustable beam A, when all the parts are constructed and arranged as herein set forth.

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

GUY M. SALSBUURY.
GEORGE S. SALSBUURY.

Witnesses:

J. FRASER,
D. C. JOHNSON.