

Woods & Phillips,

Cultivator.

No. 96,757.

Patented Nov. 9. 1869.

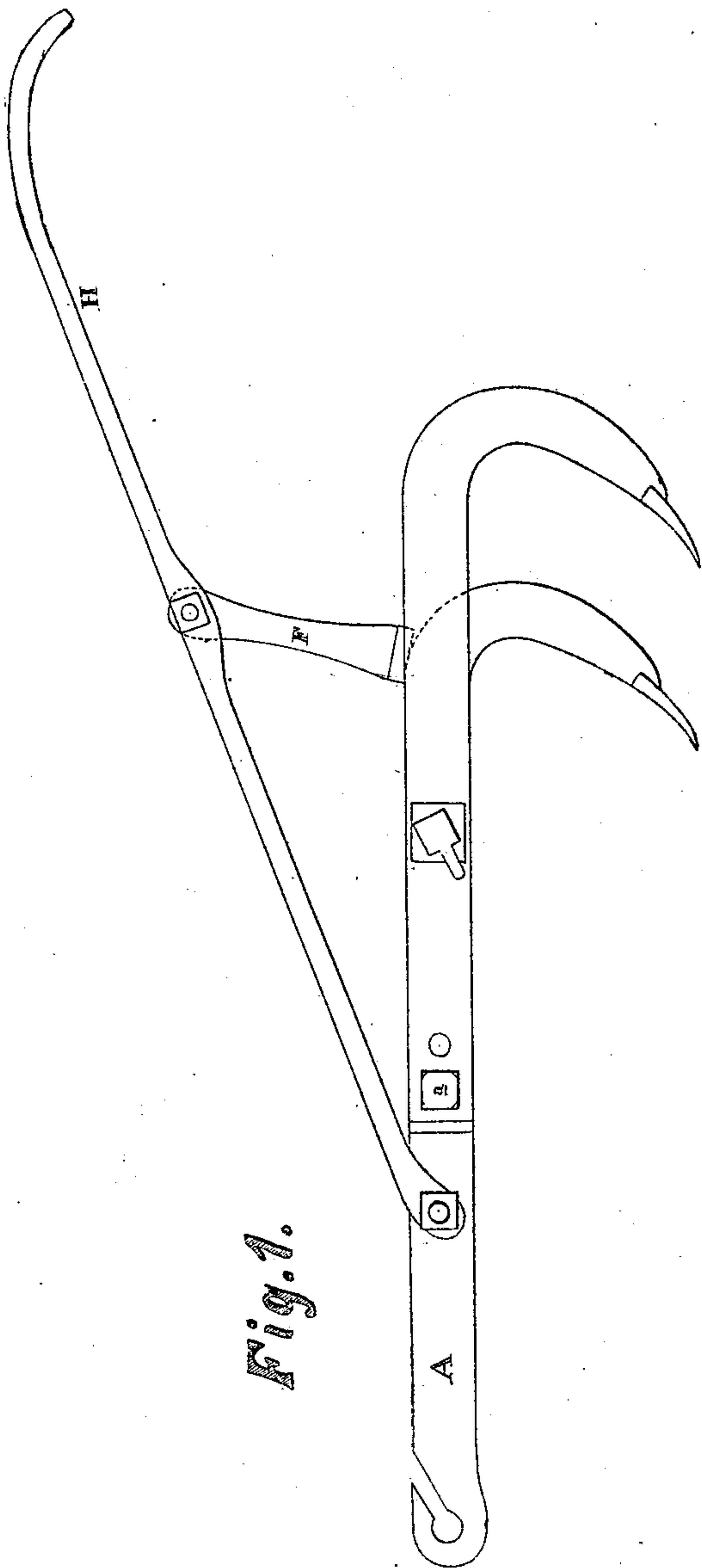


Fig. 1.

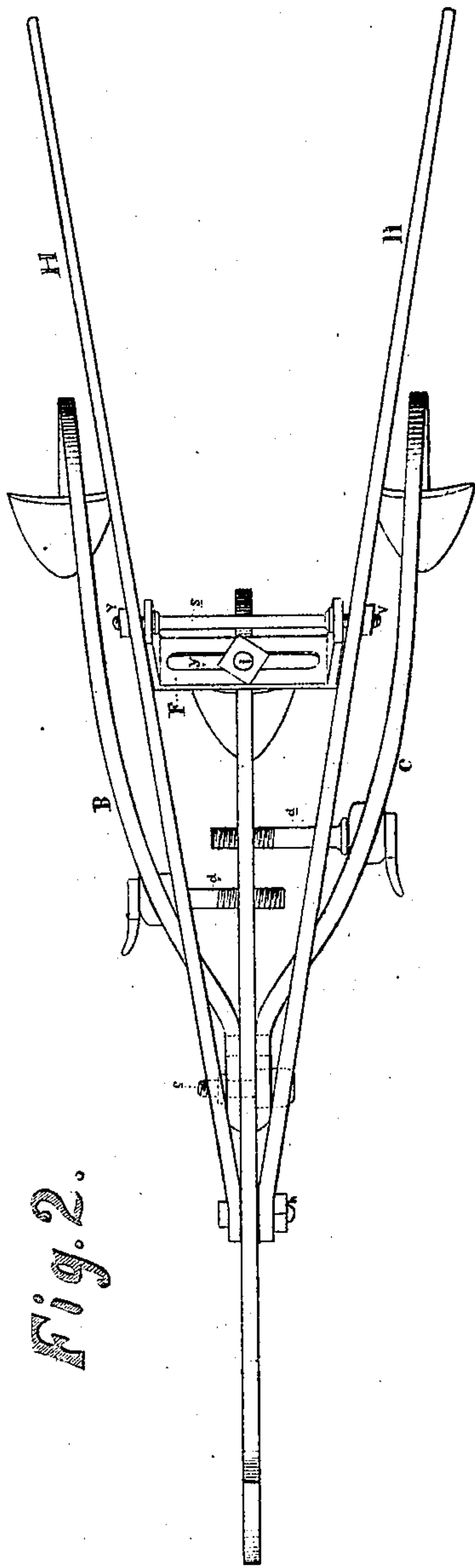


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

CALVIN J. WOODS AND JOSEPH A. PHILLIPS, OF CENTREVILLE, INDIANA.

IMPROVEMENT IN PLOW AND CULTIVATOR COMBINED.

Specification forming part of Letters Patent No. **96,757**, dated November 9, 1869.

To all whom it may concern:

Be it known that we, CALVIN J. WOODS and JOSEPH A. PHILLIPS, of Centreville, in the county of Wayne and State of Indiana, have invented a new and valuable Improvement in Plows and Cultivators; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of our cultivator, and Fig. 2 is a plan view of the same.

Our invention relates to means for plowing and cultivating the soil; and it consists mainly in a novel arrangement of devices intended to serve an efficient purpose for the use mentioned.

A of the drawings represents the main or center beam of our plow. It consists of an iron plate with its front end cut out to form a hook for the clevis, and with its rear part bent downward, as shown, the extreme end of which is formed into a shovel-plow.

B and C represent auxiliary plow-beams, of iron, attached to the main beam by the bolt *a* and its nut and screw *c*. They are also respectively attached to said main beam and made adjustable by means of the set-screws *d*, and have plows formed on their rear or lower ends, as shown.

H represents the handles of our plow, attached to the main beam by the bolt *h*, and

also united with the sliding frame F by means of the cross-bar *s*, in the manner shown.

The frame F is constructed in the form of a staple, with the cross-bar *s* passing through its open end, where it is held and made removable by means of the nuts and screws *v*. The lower side or end of this frame is slotted, as shown at *y*. Through this slot is passed the bolt *i* from the main beam of the cultivator, and by means of the nut on the thread upon the end thereof the frame is made adjustable to the right or left at will. We usually place a washer between the beam and the lower side of the frame. By this means also the frame and handles may be raised or lowered to any desirable extent. At the point *f* we pass a pin through the main beam and the side beams of the cultivator, which is not fitted closely, but while it serves to hold the parts in position vertically allows the side beams to be moved outward or inward at the will of the operator.

We claim—

The plow herein described, having beams and plows A, B, and C, bolt *a*, set-screws *d*, handles H, and sliding frame F, constructed and arranged as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

CALVIN J. WOODS.
JOSEPH A. PHILLIPS.

Witnesses:

THOS. J. STUDY,
H. GARRETT.