

J. L. WILSON & R. G. MORROW.
Plow.

No. 202,972.

Patented April 30, 1878.

Fig.1.

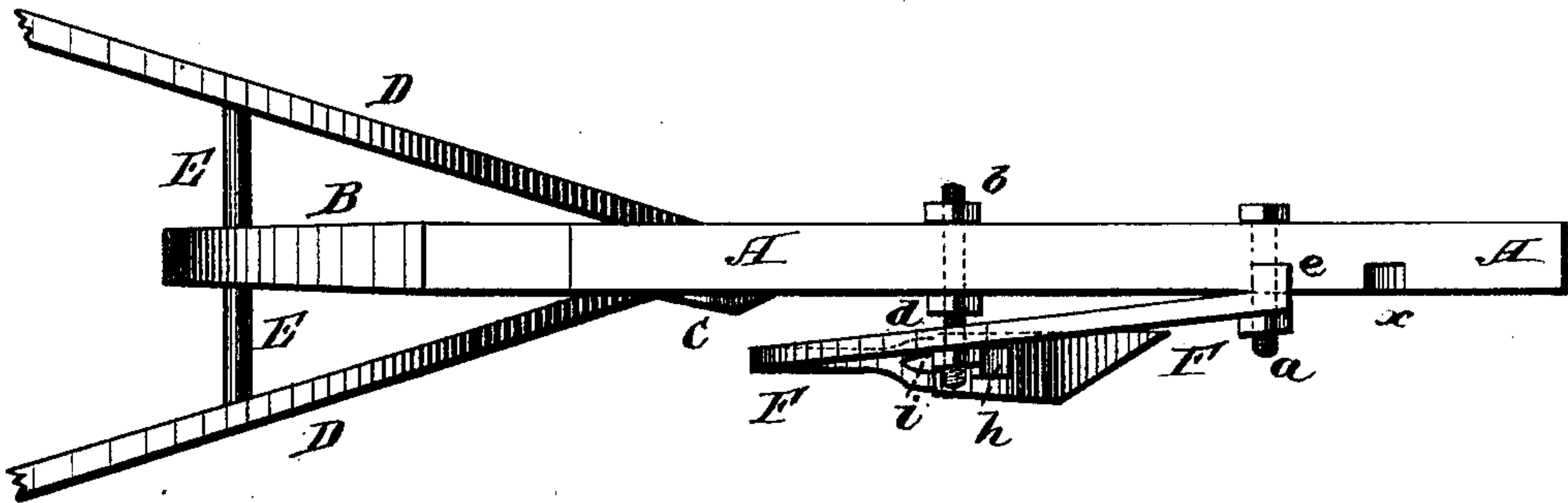


Fig.2.

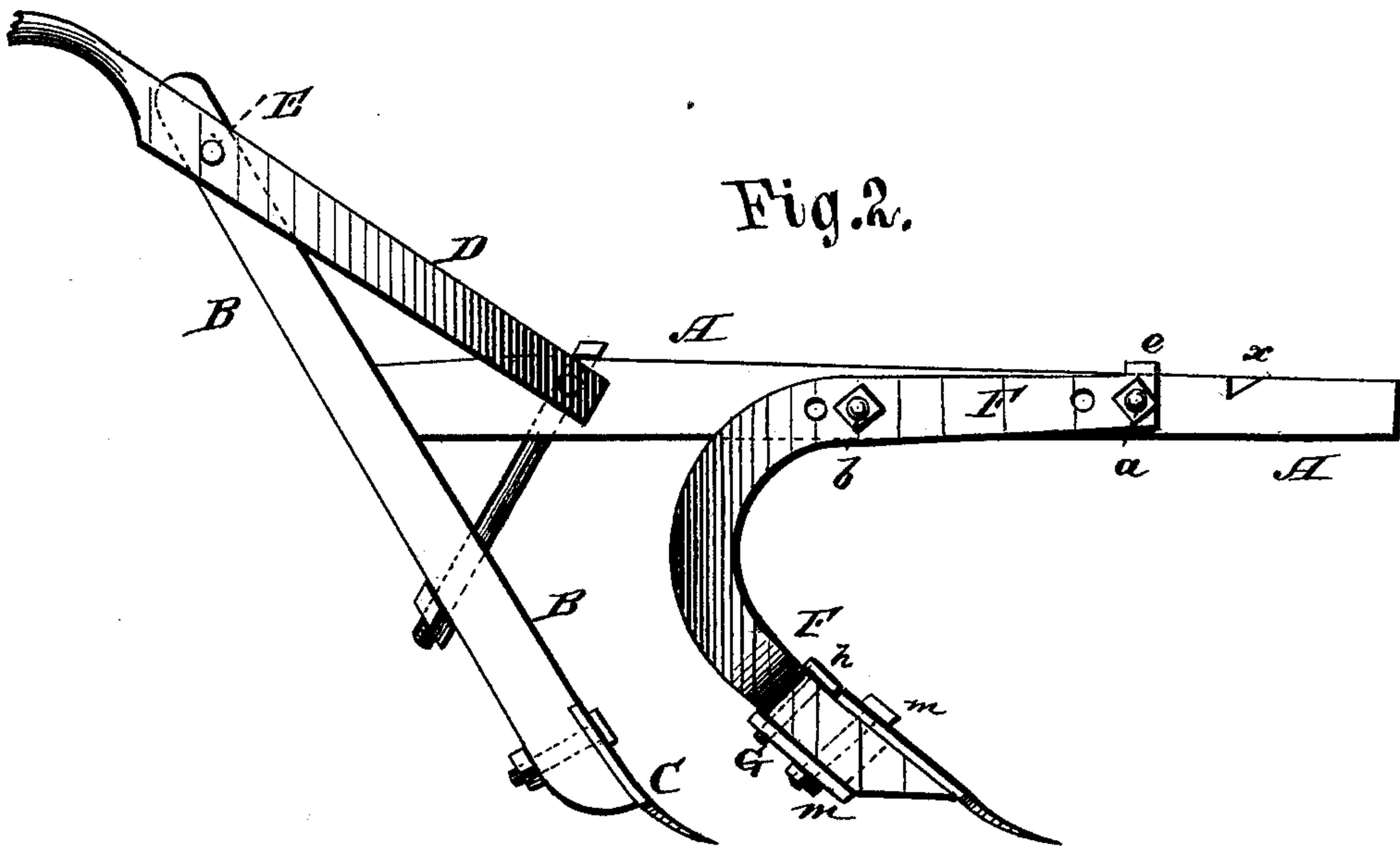
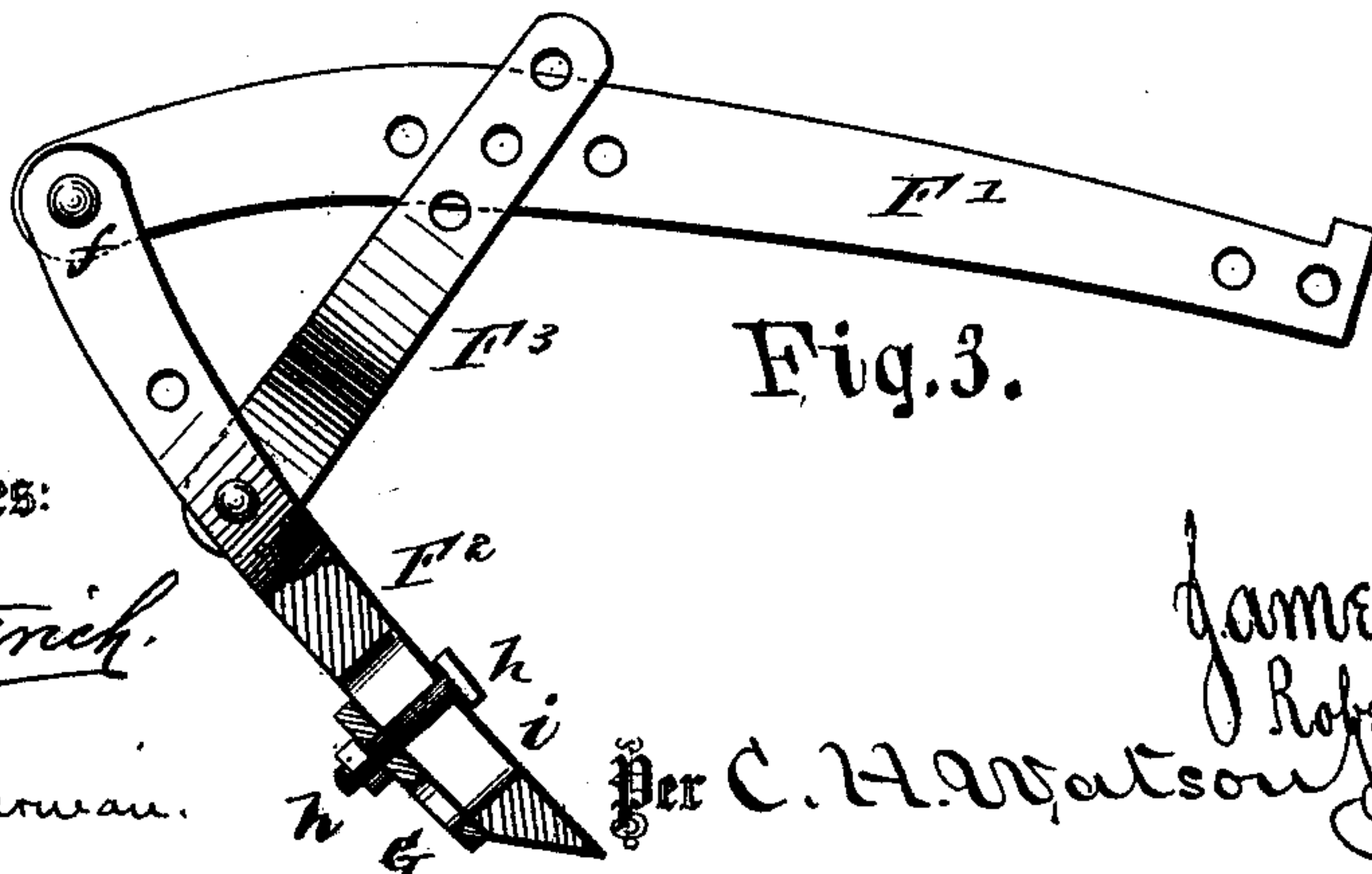


Fig.3.



Witnesses:

H. Dietrich.
Wm. Supperman.

Inventors:

James L. Wilson.
Robert G. Morrow.
Per *C. H. Watson & Co.* Attorneys.

UNITED STATES PATENT OFFICE.

JAMES L. WILSON AND ROBERT G. MORROW, OF CALHOUN, GEORGIA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **202,972**, dated April 30, 1878; application filed February 16, 1878.

To all whom it may concern:

Be it known that we, JAMES L. WILSON and ROBERT G. MORROW, of Calhoun, in the county of Gordon and State of Georgia, have invented certain new and useful Improvements in Plows; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of our invention consists in the construction and arrangement of an attachment for ordinary plows, as will be hereinafter more fully set forth.

In the annexed drawing, to which reference is made, and which fully illustrates our invention, Figure 1 is a plan view; Fig. 2 is a side elevation, and Fig. 3 is a modification, of our invention.

A represents a plow-beam, provided with foot or standard B at its rear end, to the lower end of which the plow C is secured. D D are the handles, secured to the sides of the beam, and said handles are connected by a round, E, which passes through the upper end of the foot or standard B.

These parts may all be constructed in any of the known and usual ways, and to them we, of course, lay no claim.

F represents an iron plow-beam, fastened to the side of the plow-beam A by means of two bolts, *a* and *b*, the rear bolt *b* being provided with a nut, *d*, between the two beams, for the purpose of regulating the angle at which said side beam may be held with relation to the main beam. At the front end the beam F is provided with an upwardly-extending lip, *e*, which is turned over inward at an angle to lie in an inclined notch, *x*, in the top of the main beam A. This forms a solid bearing at the front end of the beam F, whereby the strain on the bolts is, in a great measure, relieved.

The side beam F is adjustable forward and backward by changing the bolts *a b* in different holes in said beam, there being only two holes through the main beam; otherwise the same would become too much weakened.

The beam F may be made in one piece only, when it should be curved so as to receive the hoe or plow on its lower end; or it may be made in several pieces, as shown in Fig. 3. In this case the beam proper is made of two parts, F¹ and F², pivoted together at *f*, the part F¹ being adjusted to the main plow-beam A in the same manner as described for the single beam F. The part F² is provided with a pivoted brace, F³, the upper end of which has a series of holes, and is adjusted and fastened by the bolt *b*. In either case the extreme rear or lower end of the side beam is formed with a slot, *i*, through which is passed from the front a T-headed bolt, *h*, and said bolt is screwed into a plate or washer, G, on the rear of the foot. The head of the bolt *h* forms a shoulder, against which the plow H is placed and fastened by the heel-bolt *m*. The heel-bolt goes through the slot *i* and plate G, so that any kind of hoe may be made to fit and set at any angle required; and when the heel-bolt is screwed tight it is all made fast. The plow or hoe H can be moved up and down on the foot to suit the length of the hoe.

The improved attachment thus described can be put by the side of the common plow, and thus be used for covering corn; and it will form a good cultivator by using three plows. The same principle can also be used for a subsoil-plow by bolting it to the side of a turning-plow beam and extending it behind the plow.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In combination with an ordinary plow-beam, the side beam F, formed with the angular lip *e* at its forward end, and arranged for adjustment laterally and forward and back, the bolts *a b*, and notches *x*, formed in the top of the main plow-beam, substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

JAMES L. WILSON.

ROBERT G. MORROW.

Witnesses:

R. C. MIZELL,

P. A. SUMMEY.