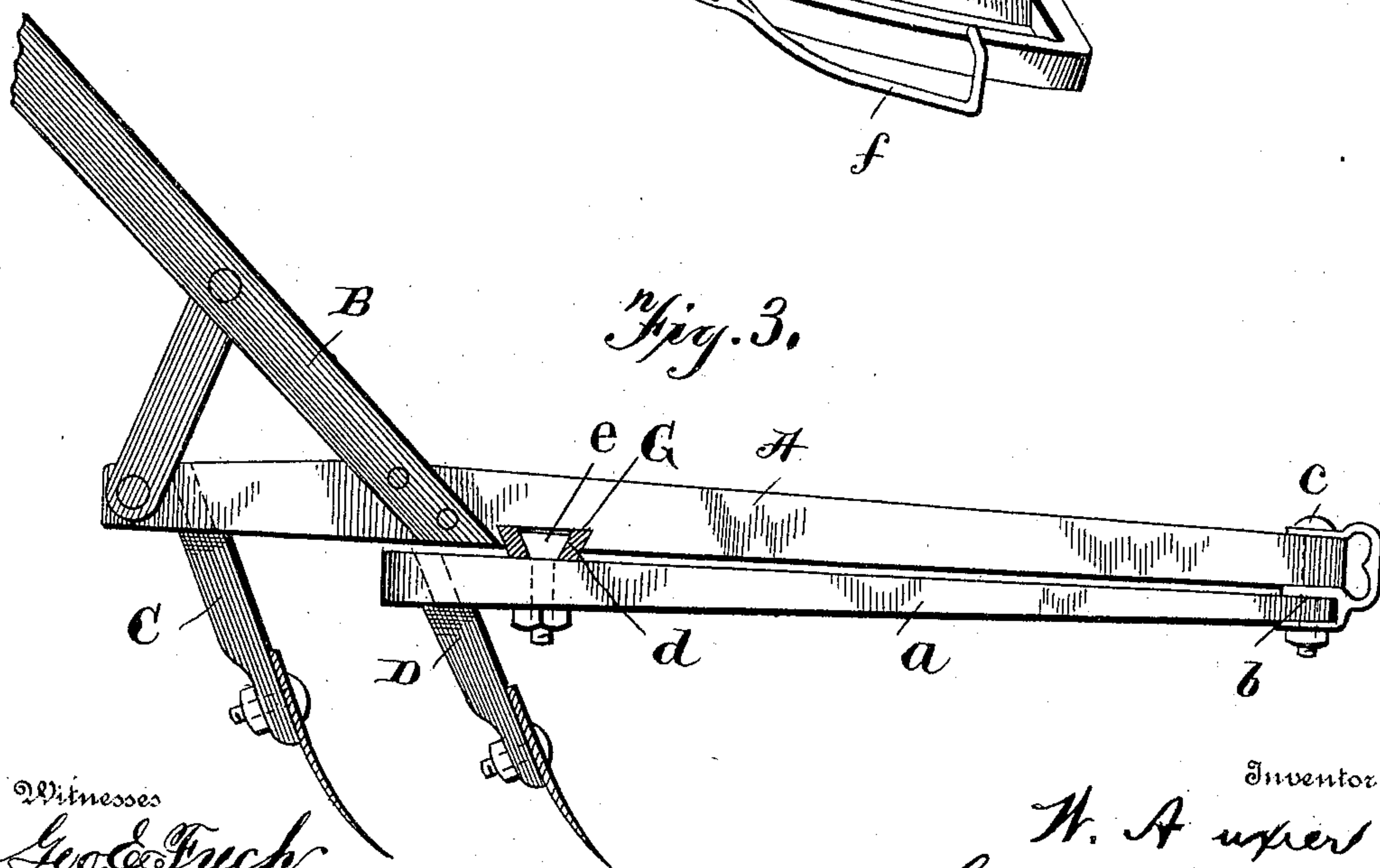
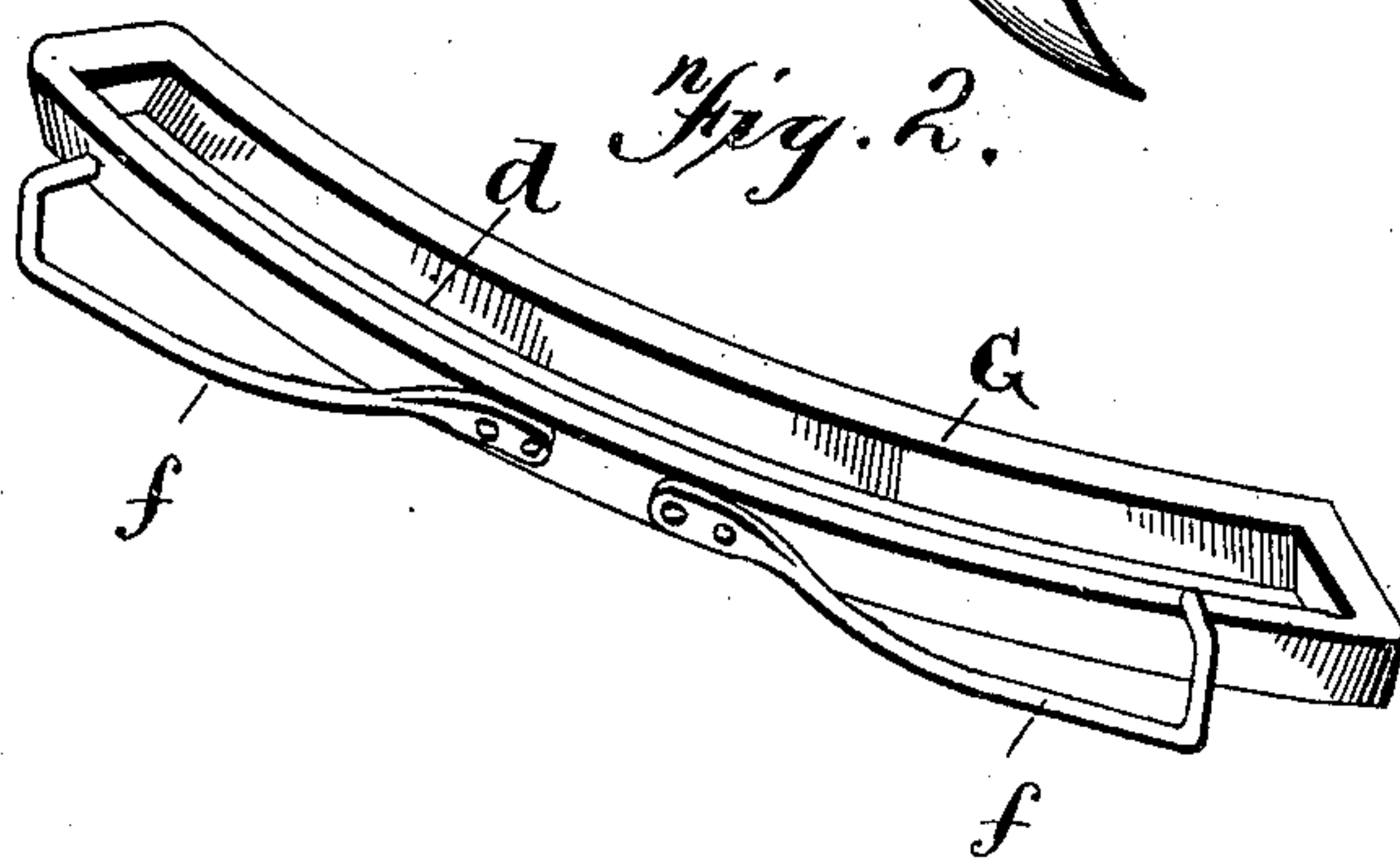
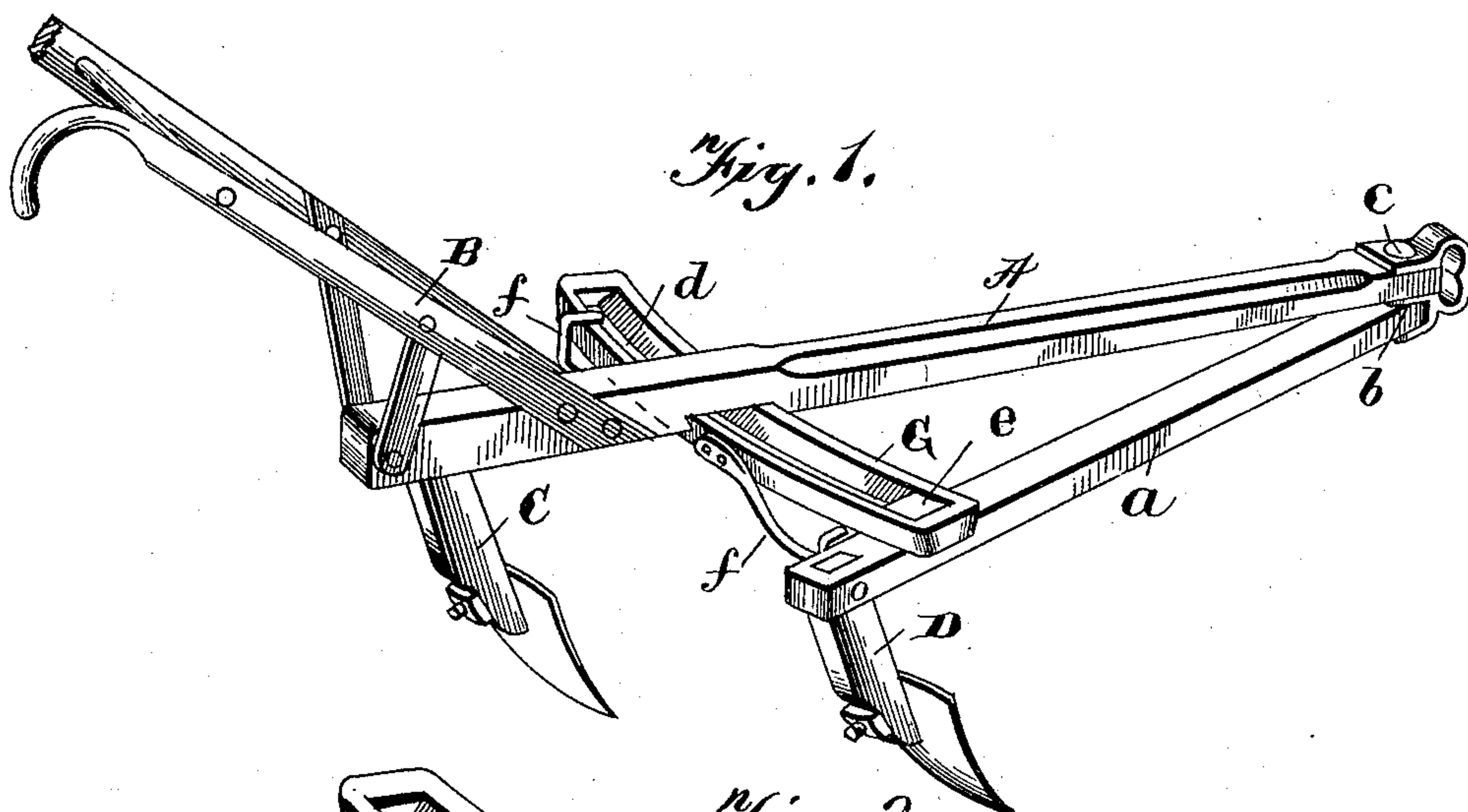


(No Model.)

W. AUXIER.
PLOW.

No. 603,495.

Patented May 3, 1898.



Witnesses
Geo. E. Fuch.
B. E. Seitz

Inventor
W. A. Auxier
by *A. S. Patterson*
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM AUXIER, OF STAFFORDSVILLE, KENTUCKY.

PLOW.

SPECIFICATION forming part of Letters Patent No. 603,495, dated May 3, 1898.

Application filed February 24, 1898. Serial No. 671,487. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM AUXIER, of Staffordsville, in the county of Johnson and State of Kentucky, have invented certain new and useful Improvements in Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to improvements in plows, and pertains particularly to a double-shovel plow having one of the plows arranged to be adjusted from right to left or left to right of the plow-beam.

The object of my invention is to provide a double plow, the front stock being supported in a manner to be thrown from the right or left automatically by the leaning of the plow-beam when the stock is released, all of which will be fully described hereinafter and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a plow embodying my invention. Fig. 2 is a detached perspective view of the curved slotted plate extending transversely of the plows. Fig. 3 is a longitudinal sectional view taken through the center of the plow-beam with the plows in a direct line one behind the other.

Referring now to the drawings, A indicates the plow-beam, B the handle, and C the rear stock, all of which are of the usual construction or any other that may be preferred.

My invention pertains to means for enabling the front plow to be thrown from right to left or left to right of the plow-beam A through the leaning of the beam when the stock is released.

Situated below the beam A is an auxiliary beam *a*, having its forward end pivoted to the forward end of the beam A at the point *b* by means of a pivotal bolt *c*. The rear end of this beam carries a plow-stock D, to which a plow E is attached. Extending transversely of the beam A is a curved plate G, formed of the arc of a circle, with the pivotal point of the auxiliary beam at its center. This curved plate is a guide and a support for the rear end of the auxiliary beam *a* and has its slot *d* made with tapering walls, as shown in the

sectional view, thus forming approximately a dovetail construction. Projecting upward from the auxiliary beam and within the curved plate is a stud *e*, correspondingly shaped to form a dovetail joint in connection with the tapered wall of the curved plate, as clearly illustrated.

Situated at each end of the curved plate or upon the auxiliary beam *a* is a latch *f*, adapted to catch the auxiliary beam at the opposite end of the said curved plate. In operation the plow is automatically reversed from one side to the other by simply releasing the latch which holds it and then leaning the beam in one or the other direction, according to the side the plow is to move, and the auxiliary beam will then travel automatically to the opposite side of the slotted plate and be caught by the latch and held in its position until it is again desired to reverse the beam.

While I have shown and described the curved plate as attached to the main beam, it will be readily understood that this construction can be reversed in that the curved plate can be attached to the auxiliary beam and the main beam provided with the guiding-stud without departing from the spirit and scope of my invention.

It will also be understood that the main object of the invention—namely, the automatic shifting of the auxiliary beam—can be accomplished without the aid of the guide-plate by providing the forward end of the beam with enlarged plates to perform a steady support for the auxiliary beam without departing from the spirit and scope of my invention, which is the automatic shifting of the auxiliary beam from side to side of the main beam and holding it in its reversed and opposite positions.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A plow comprising a beam having a transverse guideway, a plow-stock supported by the guideway and movable thereupon from side to side, and means for holding the stock upon the plate at opposite sides of the beam, substantially as described.

2. A plow comprising a main beam, an auxiliary beam pivoted at its forward end to the main beam and carrying a plow-stock at its rear end, a transverse way carried by one of

the beams, and one of the beams provided with a member moving in the said way, substantially as described.

3. A plow comprising a main beam, an auxiliary beam situated below the main beam and pivoted at its front end thereto, the auxiliary beam carrying at its rear end a plow-stock, a way carried by one of the beams for supporting the auxiliary beam, and means for holding the auxiliary beam in its reversed or opposite position, substantially as described.

4. A plow comprising a main beam, an auxiliary beam situated therebelow having its outer end pivotally connected to the main beam, the free end of the auxiliary beam carrying a plow-stock, the auxiliary beam being free to move automatically from side to side, and means for locking the auxiliary beam in its opposite or reversed position respecting the main beam, substantially as described.

5. A plow comprising a main beam, an auxiliary beam therebelow and pivoted at its front end to the main beam, the free end of the auxiliary beam carrying a plow-stock, the main beam having secured thereto at its underside a guide-plate, and the auxiliary beam having a stud projecting within the guideway, substantially as described.

6. A plow comprising a main beam, an auxiliary beam pivoted at its forward end to the main beam and situated therebelow, a slotted guideway attached to the under side of the main beam, the main beam cut away for the said plate, and the auxiliary beam having a stud projecting within the plate and movable therein freely from side to side, substantially as described.

7. A plow comprising a main beam, an auxiliary beam situated below the main beam and pivoted at its front end to the main beam, the free end of the auxiliary beam provided with a plow-stock, the under side of the main beam having a curved plate with inclined walls and open from end to end, the auxiliary beam having a stud projecting within the said plate and correspondingly-tapered walls whereby the beam is supported and guided by the said plate and freely movable from end to end of the said guide-plate, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM AUXIER.

Witnesses:

L. B. CAUDILL,
J. M. TRIMBLE,