

(No Model.)

G. H. FOWLER.

SULKY PLOW.

No. 277,258.

Patented May 8, 1883.

FIG. 1.

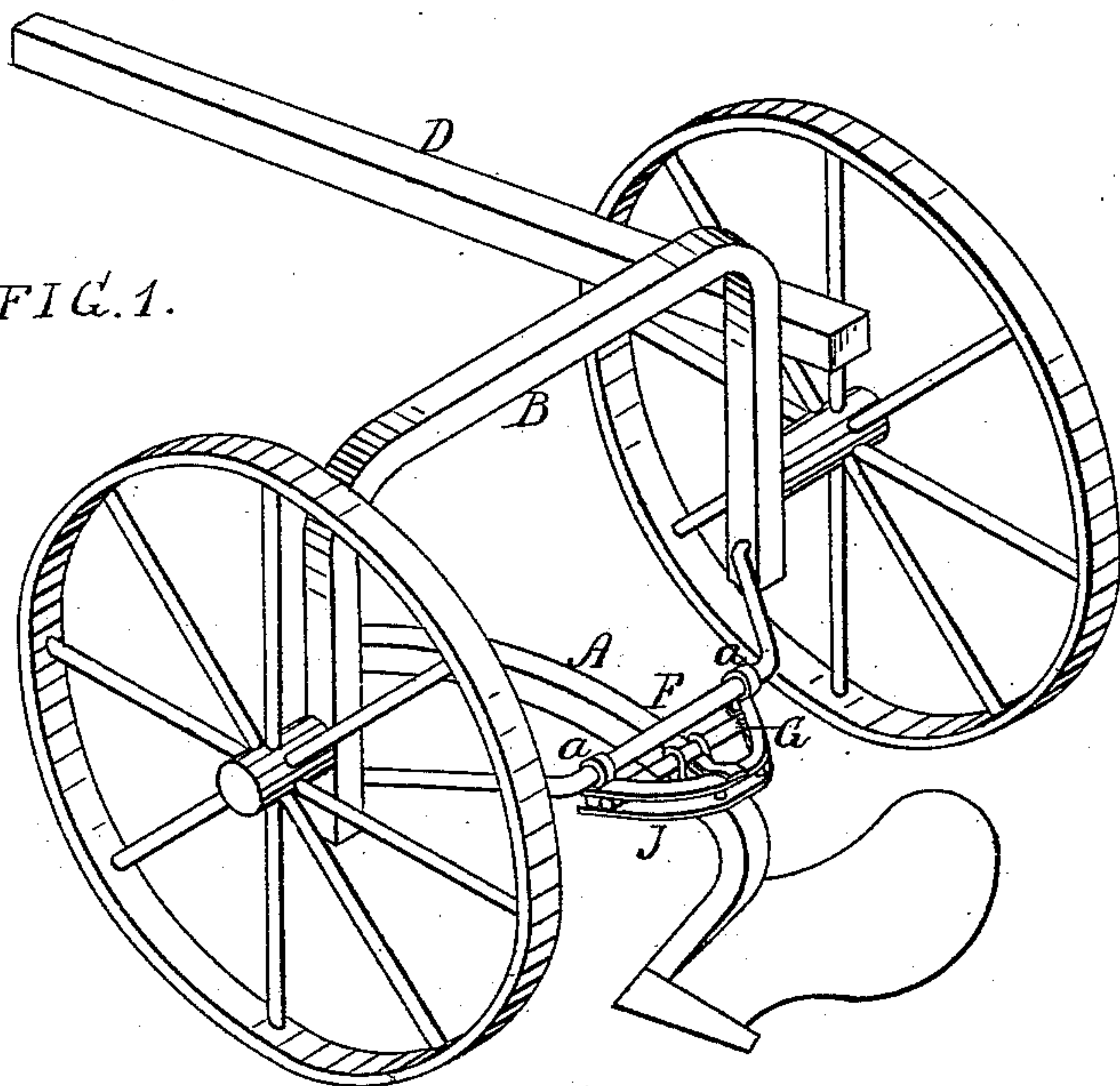


FIG. 2.

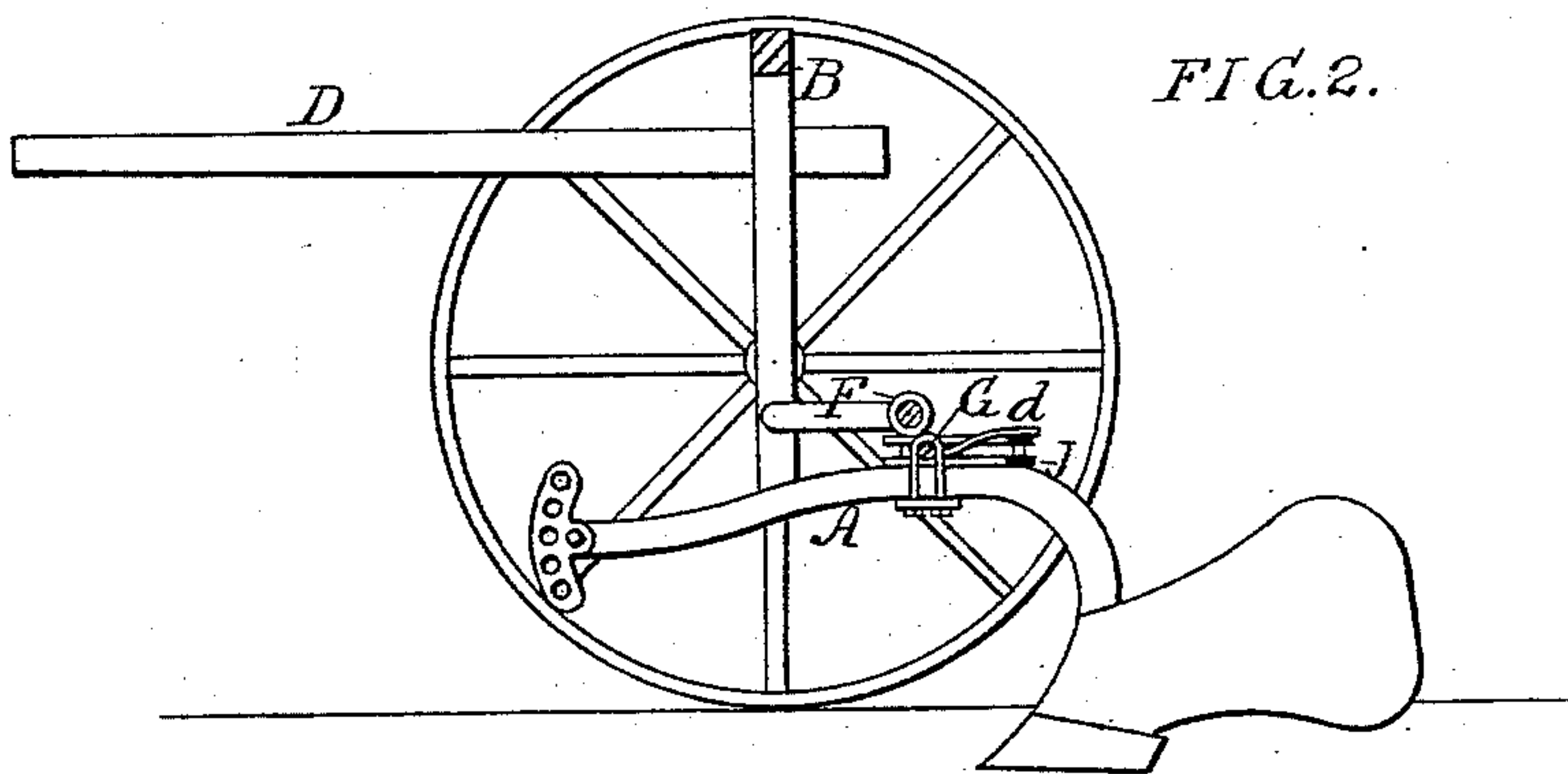


FIG. 3.

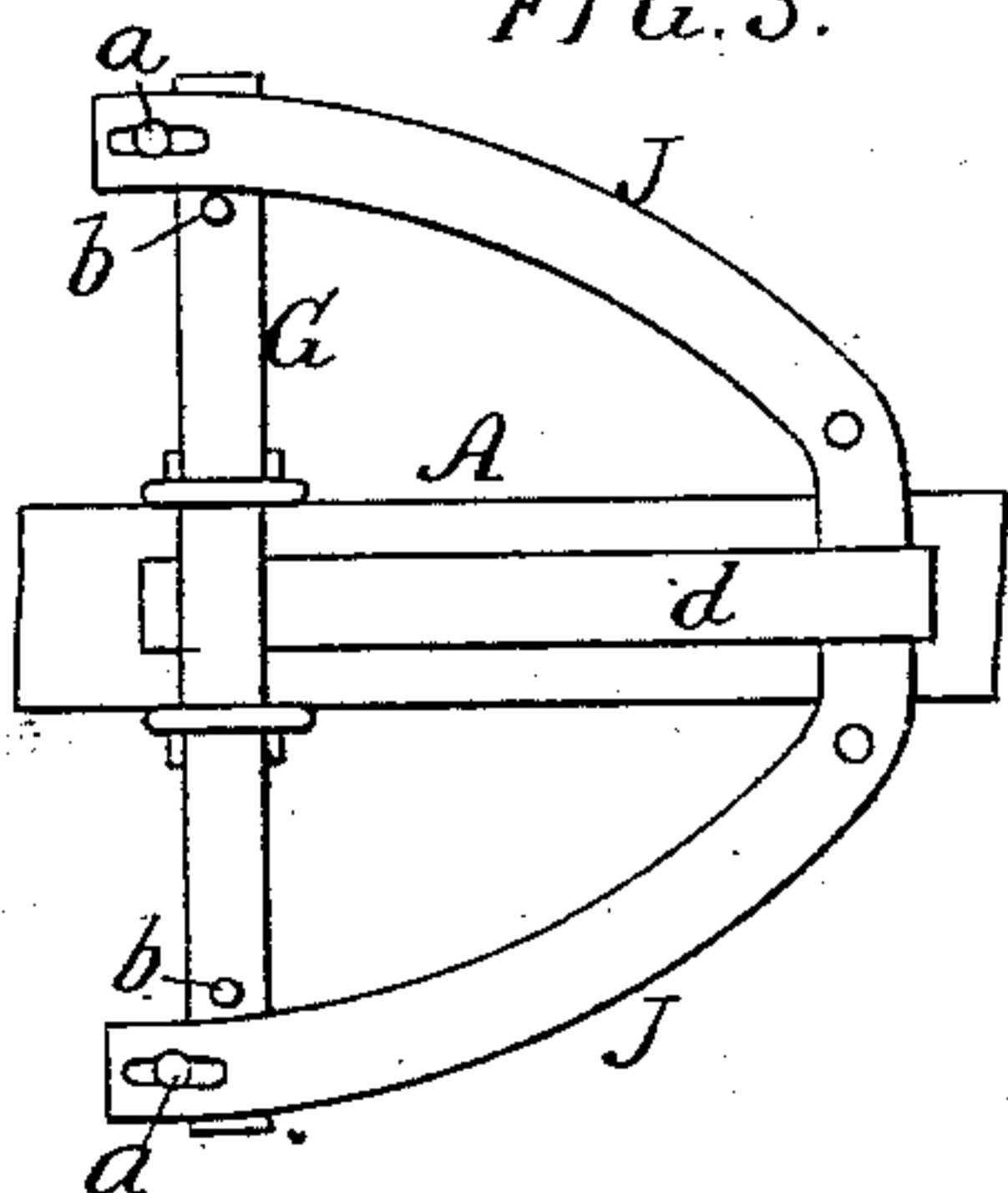
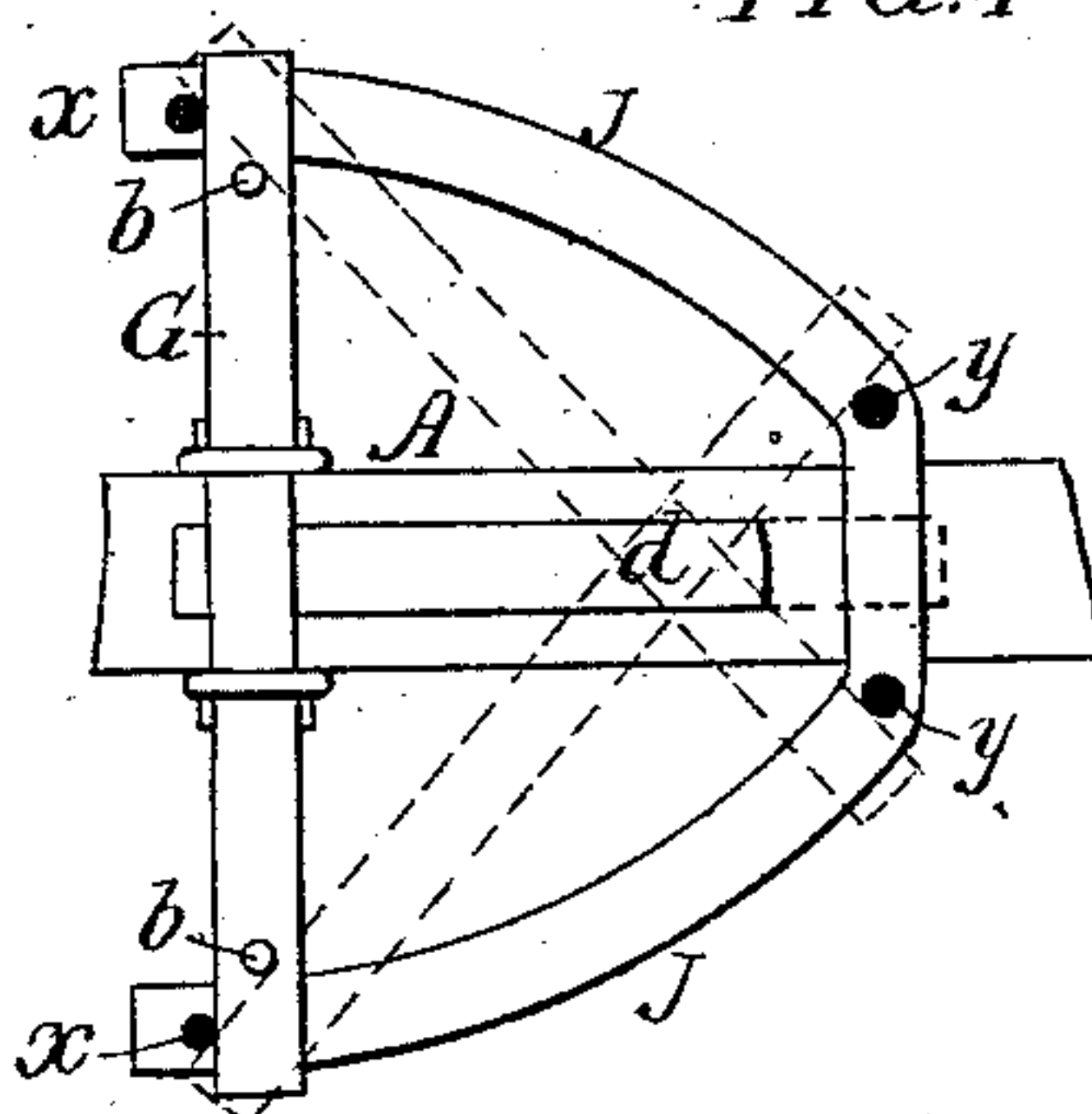


FIG. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE H. FOWLER, OF TAUGHANNOCK FALLS, NEW YORK.

SULKY-PLOW.

SPECIFICATION forming part of Letters Patent No. 277,258, dated May 8, 1883.

Application filed February 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. FOWLER, a citizen of the United States, and a resident of Taughannock Falls, Tompkins county, New York, have invented certain Improvements in Sulky-Plows, of which the following is a specification.

My invention consists of certain devices for connecting the beam of the plow to the frame of the sulky in such a manner that movement of said frame independently of the plow-beam will be permitted.

In the accompanying drawings, Figure 1 is a perspective view of a sulky-plow with my improvements; Fig. 2, a longitudinal section of the same; Fig. 3, a plan view of the coupling, and Fig. 4 a diagram illustrating the extent of movement permitted by the coupling.

A is the beam of the plow, and B the arch; D, the pole, and F the yoke, of the sulky-frame.

To the top of the plow-beam is secured a transverse bar, G, the ends of which are adapted to a slotted segment, J, and through eyes *a* at the front ends of the latter passes the yoke F of the sulky-frame.

The segment is in the present instance composed of two plates secured together by bolts, and kept at the proper distance apart by suitable interposed filling-pieces, *x* and *y*; but, if desired, the segment may be made in one piece, with suitable grooves or slots for the reception of the ends of the bar G. Pins *b* on the bar G prevent any direct lateral movement of the plow independently of the segment, so that the plow is held properly in line while plowing a straight furrow; but in turning at the end of a furrow ample freedom of movement of the sulky-frame independently of the plow is permitted, owing to the fact that the cross-bar G of the plow-beam is at liberty to move longitudinally to a limited extent, and to assume any angle within the limits of the stops *x* and *y*. (See diagram Fig. 4.)

To retain the rear of the segment in its proper vertical position in respect to the plow-

beam, I use a bar, *d*, the front end of which is clamped between the beam and the bar G, the rear end of said bar *d* overlapping the segment, as shown in Fig. 2.

The plow should of course be furnished with the usual device for elevating the yoke F and the plow hung thereto; but this forms no part of my invention; hence I have not considered it necessary to illustrate or describe it.

Other means than the eyes *a* may be employed for connecting the segment J to the yoke F; but the use of said eyes is preferred.

In case a direct lateral movement of the plow independently of the sulky-frame in addition to the swinging movement is desired, the yoke F may be so formed that the segment J can slide laterally thereon; or the pins *b* on the bar G may be dispensed with, so that the beam A will be free to move laterally to a certain extent independently of the segment J.

I claim as my invention—

1. The combination of the yoke of the sulky-frame, and the slotted segment J, secured thereto, with the plow-beam having a transverse bar, G, the ends of which are adapted to said slotted segment, and with stops for limiting the movement of the bar G therein, as set forth.

2. The combination of the plow-beam and its transverse bar G with the yoke F and the slotted segment J, having eyes *a*, adapted to said yoke, as set forth.

3. The combination of the yoke F and its slotted segment J with the plow-beam A, having a transverse bar, G, with pins *b*, as set forth.

4. The combination of the plow-beam A and its bar G, the yoke F and its slotted segment J, and the retaining-bar *d*, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEO. H. FOWLER.

Witnesses:

AMOS T. HOPKINS,
W. G. FARRINGTON.