W. S. JOHNSON.
Plow.

No. 213,661. Patented Mar. 25, 1879.

Fig. 1.

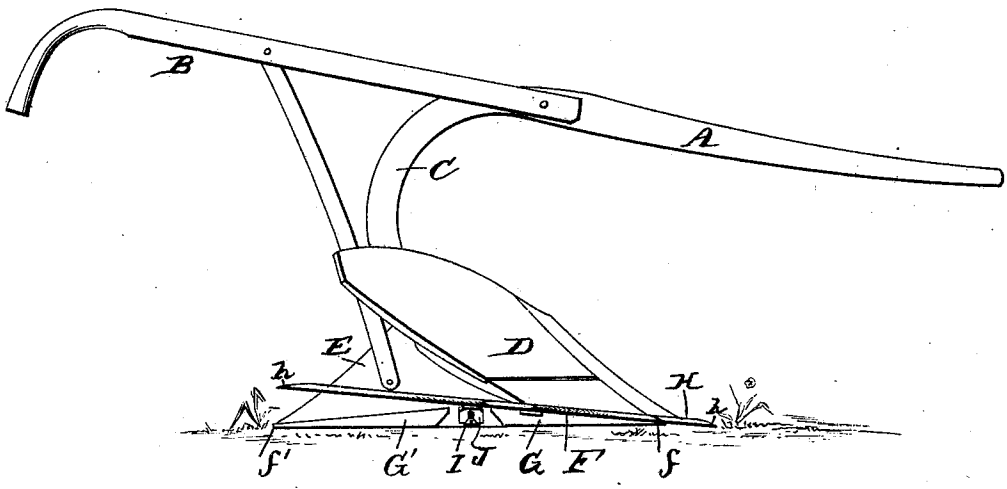
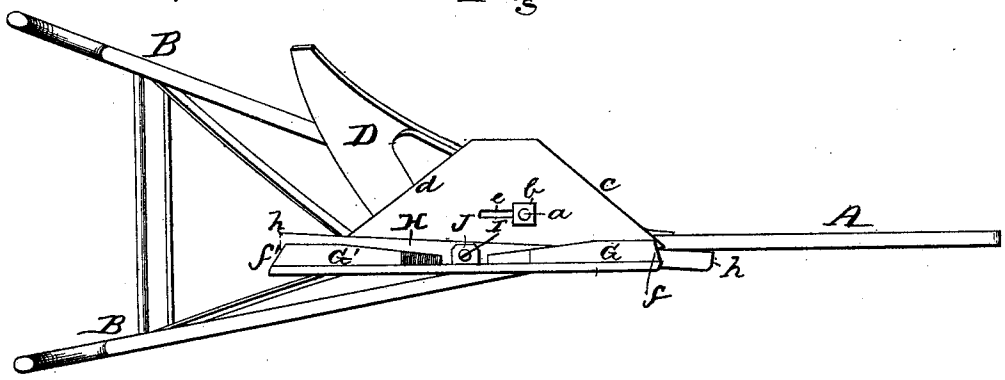


Fig. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM S. JOHNSON, OF KNOXVILLE, TENNESSEE, ASSIGNOR OF ONE-THIRD HIS RIGHT TO ALVIN J. JOHNSON, OF SAME PLACE, AND GEORGE B. COWLAM, OF FREDERICK, MARYLAND.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **213,661**, dated March 25, 1879; application filed November 13, 1878.

To all whom it may concern:

Be it known that I, WILLIAM S. JOHNSON, of the city of Knoxville, county of Knox, and State of Tennessee, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full and complete description thereof, reference being had to the accompanying drawings, and to the letters of reference thereon, making a part of this specification.

Figure 1 is a side view, and Fig. 2 is a bottom plan.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates to plows; and it consists in certain improvements in the construction thereof, which will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings, A represents the beam, and B B the handles. The beam is formed or provided with the standard C. D represents the mold-board, and E the land-side, both of which are secured to the lower end of the standard by screws, bolts, or other suitable fastenings. Below the mold-board, and secured thereto by a bolt and nut, *a b*, is the share F. The latter is provided with two cutting-edges, *c d*, either of which may be turned forward. It also has a slot, *e*, working upon the bolt *a*, which enables its cutting-edge to be extended in front of the mold-board to any desired extent. Upon its inside the land-side E is provided with two offsets, G G′, sloping down to the points *f f′*. The forward offset, G, forms a rest for the point H, which consists of a suitably-shaped bar, having sharpened ends or points *h h*, either of which may be turned to the front. The point H is held in position by a set-screw, I, bearing against its under side, said set-screw being arranged in a bracket, J, arranged upon the inner side of the land-side, between the offsets G G′.

From the foregoing it will be seen that both the point and the share, in addition to being reversible, are extensible or adjustable. By adjusting the point the depth of the furrow may be gaged or regulated.

My invention is simple, and applicable to plows of various construction, provided only that the mold-board is shaped to admit of my improvements.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination, in a plow, of a reversible and extensible share with a reversible and extensible point, substantially as and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in the presence of two witnesses.

W. S. JOHNSON.

Witnesses:

JNO. W. RUSSELL,

ALEX. SUMMERS.