M. R. SHALTERS.

Improvement in Plows.

No. 114,611. Patented May 9, 1871.

Fig.1.

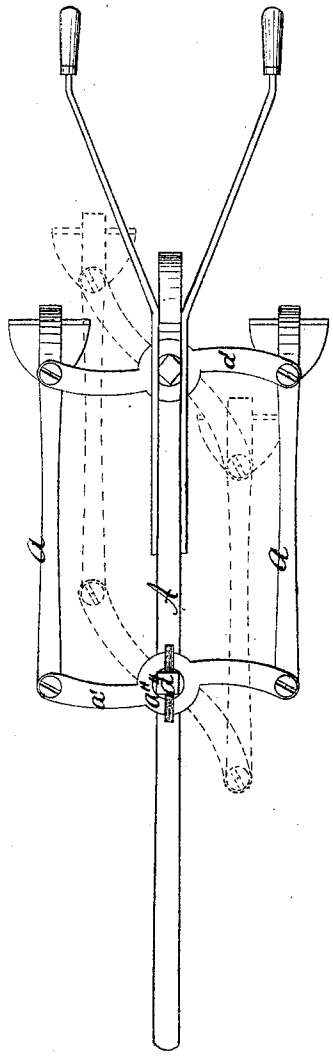
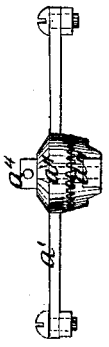


Fig.2.



Witnesses

C. O. Brown.

M. E. Orton.

Inventor

Moses R. Shalters, by

Geo. E. Brown.

Atty.

A.M. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

MOSES R. SHALTERS, OF ALLIANCE, OHIO.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **114,611**, dated May 9, 1871.

To all whom it may concern:

Be it known that I, MOSES R. SHALTERS, of Alliance, in the State of Ohio, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a plan, and Fig. 2 a front elevation.

This invention consists in the arrangement of a main plow-beam, provided with an enlargement or seat having a corrugated upper surface, and a cross-bar provided with an enlargement or body having a corrugated lower surface, when such cross-bar is placed upon the plow-beam in such position that the two corrugated surfaces meet, and secured thereon adjustably by a screw-bolt, as hereinafter fully described.

To enable those skilled in the art to make and use my invention, I now proceed to describe its construction and operation.

Similar letters in the drawings refer to like parts.

This object I have accomplished by jointing the shovel-handles *a a* on the opposite sides of the plow-beam A to the end of parallel cross-bars *a' a'*, pivoted at their centers to the beam, by which arrangement the left plow may be thrown forward and the right one back, or vice versa, and by varying the degree of the inclination of the cross-bars to the beam the lateral distance between the shovels may be varied at pleasure, so as to leave a wider or narrower space between the furrows; also, by making the lower surface of the central disk, *a''*, of the forward cross-bar and the upper surface of the seat *a'''*, on which the disk *a''* rests, serrated or corrugated, and passing a headed screw-bolt, a^4, vertically through beam, seat, and disk, by turning which in the proper direction the cross-bars are fixed or loosened.

What I claim as my invention is—

The arrangement of the plow-beam A, provided with the seat *a'''*, having a corrugated upper surface, the cross-bar *a'*, provided with the enlargement or body *a''*, having a corrugated lower side, and the screw-bolt a^4, when the cross-bar is placed upon the beam, the two corrugated surfaces being in contact, as specified.

M. R. SHALTERS.

Witnesses:
JOSEPH BARNABY,
JOHN C. GRIFFITH.