A. HAMPE.

Plow.

No. 160,094. Patented Feb. 23, 1875.

Fig. 1.

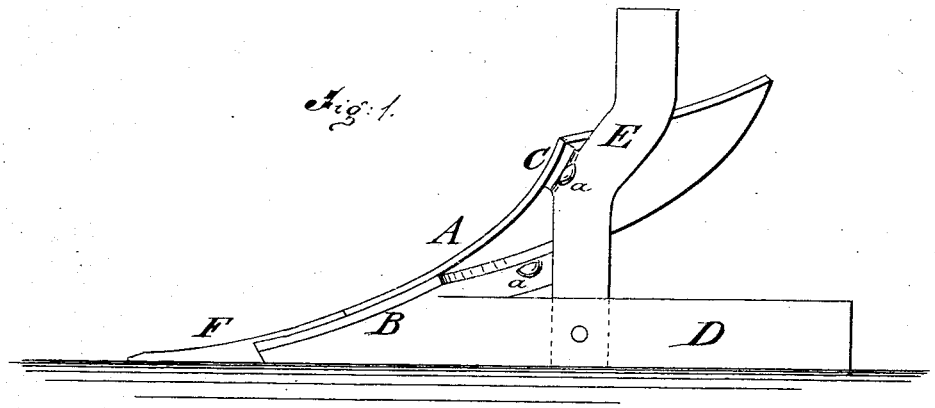


Fig. 2.

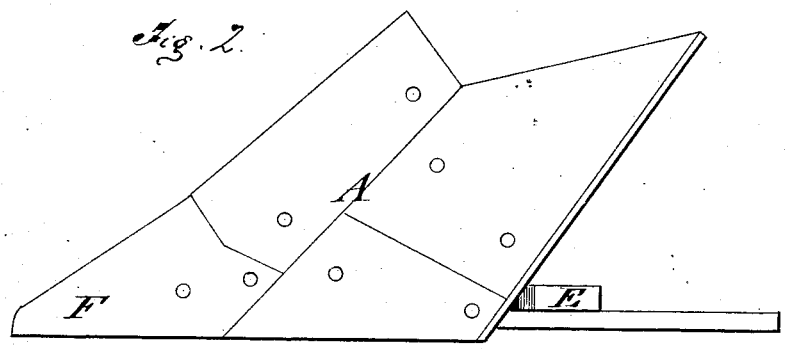
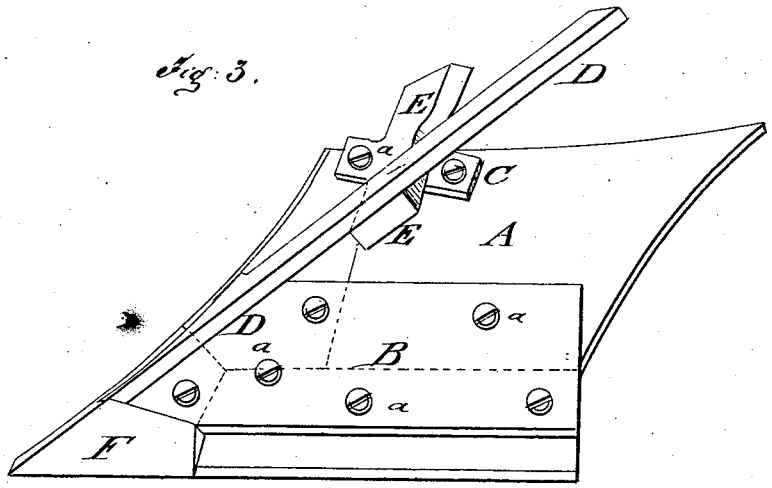


Fig. 3.



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UNITED STATES PATENT OFFICE.

ALBERT HAMPE, OF STAUNTON, ILLINOIS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **160,094**, dated February 23, 1875; application filed August 4, 1873.

To all whom it may concern:

Be it known that I, ALBERT HAMPE, of Staunton, in the county of Macoupin and State of Illinois, have invented a new and Improved Plow, of which the following is a specification:

In the accompanying drawing, Figs. 1 and 2 represent side and top views of my improved plow, and Fig. 3 a bottom view of the same.

Similar letters of reference indicate corresponding parts.

The invention is an improvement in plows having a sectional mold-board or share; and consists in the construction and arrangement of parts as hereinafter described and claimed.

In the drawing, A represents the plow-share or mold-board, which is produced of four sections, more or less, which fit closely at their joints, and are of such shape and size as to correspond to the degree of work and strain bearing on them, and also to be connected in effective and economical manner to the supporting parts of the plow. The plow-share A is secured by means of the supporting-plates B and C applied to the land-side D and standard E, the plate B extending laterally and parallel to the lower edge of plow-share A, being curved in similar shape and welded to upper front part of the land-side D. The standard E is curved toward the rear at suitable height and carries the upper smaller plate C, which supports the upper sections of share A. The lower part of standard E is bolted to the inside of land-side D, and braces rigidly with plate C the upper part of share A. The sections of share A are applied to the supporting-plates B and C by short screw-bolts *a*, so that they are detachable for welding, sharpening, or substituting new plates, increasing thereby the usefulness and adaptability of the plow for the wants of the farmer. Each section of share A is shaped with reference to the work it has to perform, and the lower sections are therefore of smaller size than the upper. The main joint between the upper and lower sections runs about centrally along plate B, the joint of the upper sections running nearly at a right angle from the main joint to standard E. The lower joint is angular to the edge of the share, so that the two upper sections are of quadrangular, the lower of pentagonal, shape. Each section is connected by two screws, *a*, to the supporting-plates—the lower sections to the lower half of plate B, the upper sections to the upper half of the same and plate C. The point F has a horizontal base and a dovetailed recess or notch to receive the forward end of the land-side D and the plate B. The above construction and arrangement of the point with reference to the land-side and share causes it to be supported rigidly in position, and to safely endure comparatively great strain or leverage.

The reduction in expenses for repairs, together with the easy replacing of parts, and the greater durability of this sectional plow forms a desideratum for farmers, especially when they are far from skillful blacksmiths and repairing-shops.

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

1. The plow-point F, having an angular share-edge, a horizontal base, and a dovetailed recess to receive the land-side and plate B, as shown and described.

2. The sectional share and point, constructed as described, in combination with the sectional mold-board A and land-side, as and for the purpose specified.

ALBERT HAMPE.

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