

E. G. Matthews,

Survival Plow.

No. 108919.

Patented Nov. 1. 1870.

Fig. 1

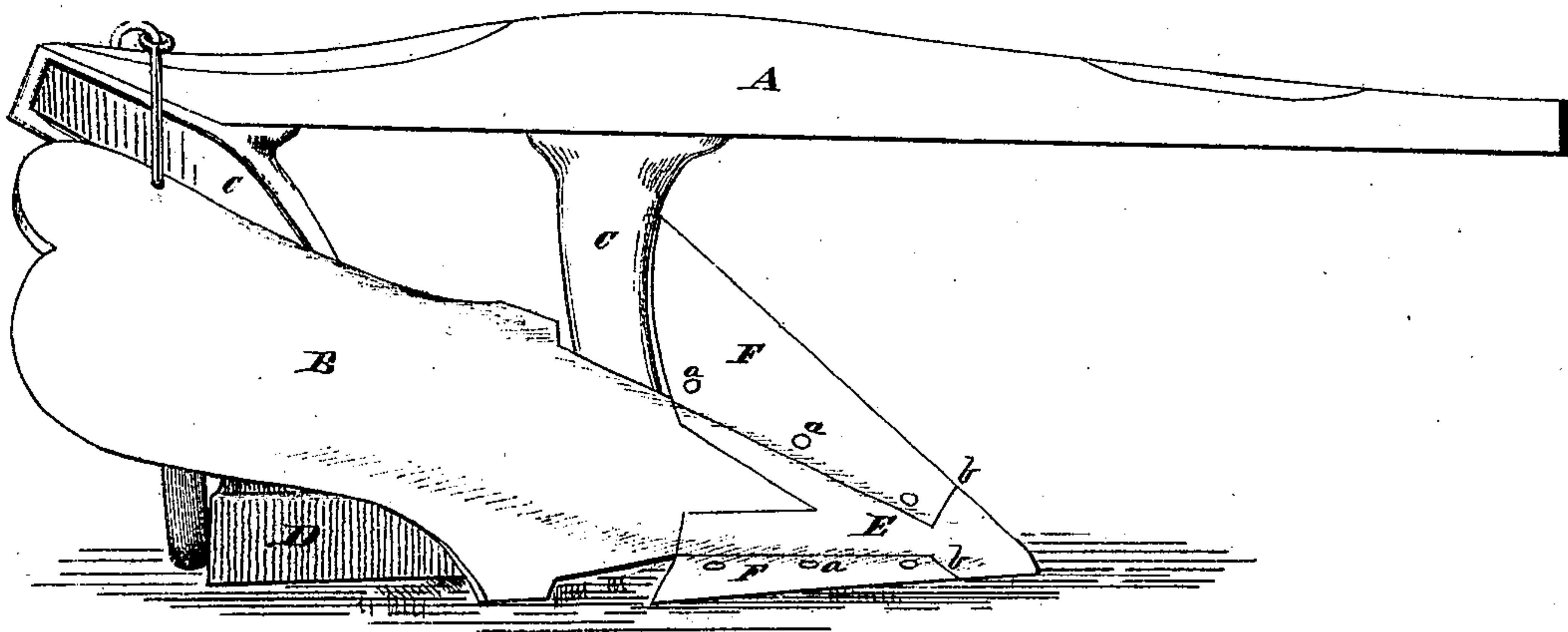
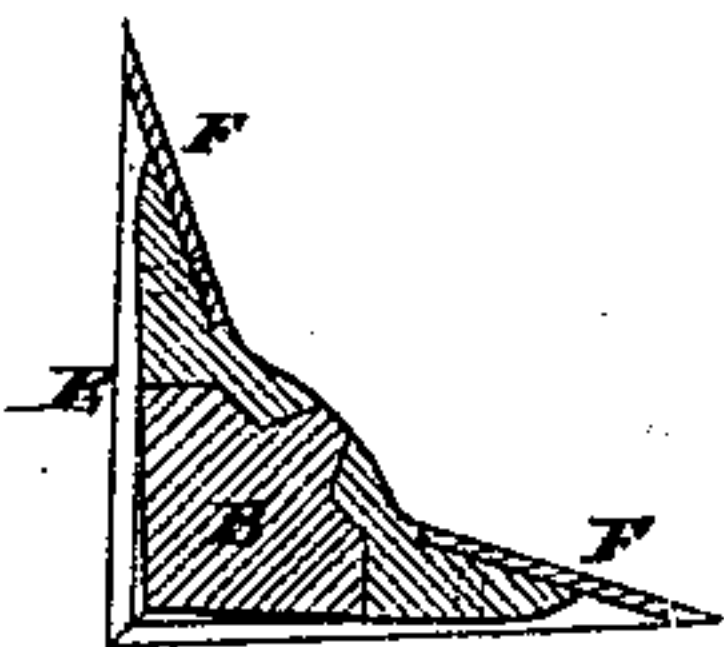


Fig. 2



Witnesses

Wm. L. Dodge

Chas. H. Furligh

Inventor

E. G. Matthews

UNITED STATES PATENT OFFICE.

ELBRIDGE G. MATTHEWS, OF OAKHAM, ASSIGNOR TO FRANKLIN F. HOLBROOK, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SWIVEL-PLOWS.

Specification forming part of Letters Patent No. 108,919, dated November 1, 1870.

To all whom it may concern:

Be it known that I, ELBRIDGE G. MATTHEWS, of Oakham, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Swivel-Plows; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification, in which—

Figure 1 represents a side view of my improved swivel-plow, and Fig. 2 represents a transverse section of the point or share.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.

The nature of my invention consists in the combination, with the point or share in a swivel-plow, of steel wings or cutting-edges, as hereinafter described.

In the drawings, the part marked A is the beam, B the mold-board, and C C the standards, which connect the beam A and bed D, all of which may be constructed in the ordinary manner, and therefore require no further description.

The point or share E is provided with steel wings F at each of its sides, as shown in the

drawings. The upper surface of the point is recessed to a sufficient depth to receive the thickness of the wings F, and they are secured in place by rivets or bolts *a*. The front ends of the wings F rest or abut against shoulders *b b* on the point, as indicated in the drawings. By combining the wings F with the mold-board B and point or share E, as above described, the front ends of the wings are protected by the shoulders *b b* from injury while in use.

In the operation of the plow the wing which is uppermost acts as a sward-cutter, while the one which is in a horizontal position cuts the roots under the furrow-slice, thus insuring the perfect separation and turning of the sod.

Having described my improved swivel-plow, what I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

The combination, with the swiveled mold-board B and point or share E, of the wings F F, substantially as and for the purposes set forth.

E. G. MATTHEWS.

Witnesses:

THOS. H. DODGE,

CHAS. H. BURLEIGH.