

(No Model.)

E. C. WESTERVELT.
PLOW POINT.

No. 489,401.

Patented Jan. 3, 1893.

Fig 1

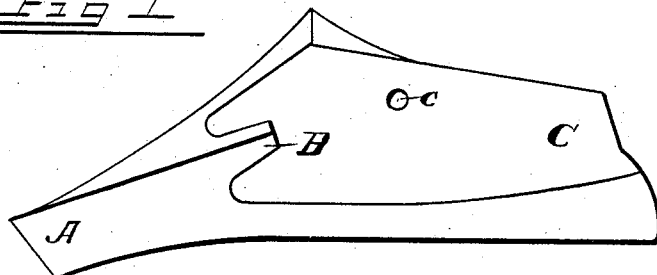


Fig 2

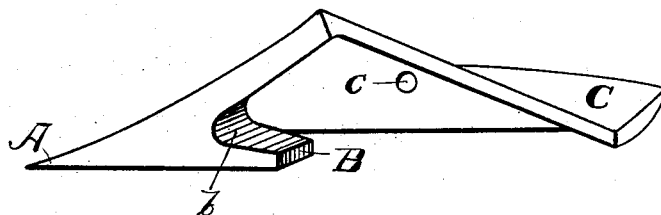
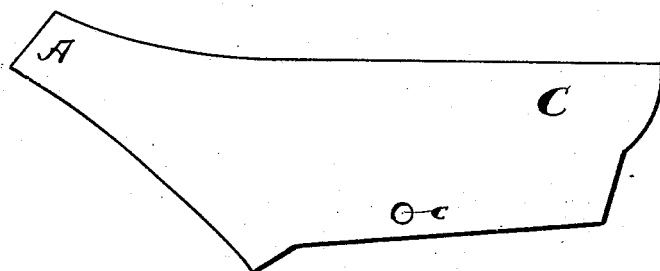


Fig 3



WITNESSES
James A. Mausfield
L. W. Seville

INVENTOR
E. C. Westervelt
by
Attorneys
Alexander D. Russell

UNITED STATES PATENT OFFICE.

EDMUND C. WESTERVELT, OF SOUTH BEND, INDIANA.

PLOW-POINT.

SPECIFICATION forming part of Letters Patent No. 489,401, dated January 3, 1893.

Application filed April 7, 1892. Serial No. 428,189. (No model.)

To all whom it may concern:

Be it known that I, EDMUND C. WESTERVELT, of South Bend, in the county of St. Joseph and State of Indiana, have invented certain
5 new and useful Improvements in Plow-Points; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked
10 thereon, which form part of this specification, in which—

Figure 1 is a bottom view of my improved plow point and wing. Fig. 2 is a side view thereof. Fig. 3 is a top view.

15 This invention is an improvement in combined points and wings for plows, and its object is to make the point and wing integral, and at the same time reinforce and strengthen the point so that it will withstand greater
20 strain and shocks incident to usage than the ordinary points, and to improve the connection between the point and standard, so that but one confining bolt will be necessary to secure the point and wing in working position.
25 The invention consists in the novel construction of the point and wing hereinafter described and claimed.

Referring to the drawings by letters; A designates the point and C the wing resembling an ordinary plow point and wing in
30 top view. From the rear edge of point however and beneath the end of wing projects a rearwardly extending finger B which is adapted to underlie the toe of the plow standard,
35 which fits in the recess *b* between the top of finger B and end of wing. Then a bolt is passed through the opening *c* in the wing and secures the latter to the moldboard as usual. This bolt in connection with the finger B

firmly secures the point and wing to the stand- 40
ard and moldboard, the finger enabling me to make one bolt secure both point and wing firmly. The finger underlying the end of standard takes all vertical strain off the se-
curing bolts, and if, as frequently occurs, the 45
entire weight of plow is thrown on the point as in turning the plow or in starting a furrow, the finger transmits the strain direct to the standard.

In chilled points a sudden drop or blow on 50
the point while the plow is working will frequently break the point off the wing or wrench off the bolts, but in this construction the finger clasping the toe of the standard strengthens the point and prevents breakage. 55
By this construction I lessen the number of securing bolts ordinarily required, yet firmly secure the parts in position and strengthen the plow point at its weakest part, transferring the up, down and back pressure on the
60 point direct to the standard.

Having described my invention what I claim as new and desire to secure by Letters Patent thereon is;—

The herein described combined plow point 65
and wing having a point, as A; a wing, as C; and a rearwardly extending finger, as B, adapted to underlie the toe of a plow standard, all substantially as and for the purpose
described. 70

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

EDMUND C. WESTERVELT.

Witnesses:

JAMES DUSHANE,
H. H. HUMPHREY.