

(No Model.)

H. OLDENDORPH.
PLOW.

No. 550,525.

Patented Nov. 26, 1895.

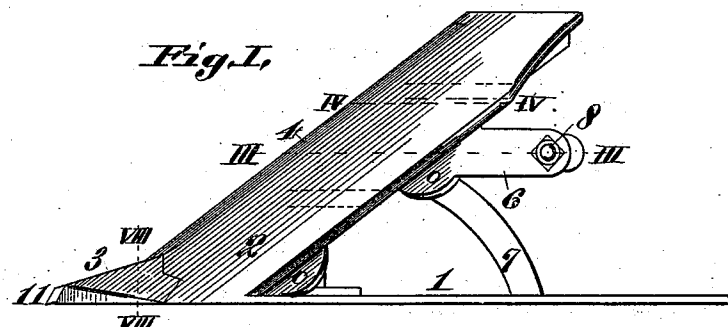


Fig. II.

Fig. III.

Fig. IV.

Fig. V.

Fig. VI.

Fig. VII.

Fig. VIII.

Fig. IX.

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UNITED STATES PATENT OFFICE.

HENRY OLDENDORPH, OF BELLEVILLE, ILLINOIS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 550,525, dated November 26, 1895.

Application filed May 23, 1895. Serial No. 550,380. (No model.)

To all whom it may concern:

Be it known that I, HENRY OLDENDORPH, of Belleville, county of St. Clair, State of Illinois, have invented a certain new and useful
5 Improvement in Plows, of which the following is a description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to an improvement in
10 the form of plows shown in my two patents, No. 528,107, dated October 23, 1894, and No. 537,352, dated April 9, 1895.

This present invention relates to an improved nose and point to the plowshare and
15 the manner of securing the cutting-edge in said point, hereinafter specifically pointed out and claimed.

Referring to the drawings, Figure I is a top view of the landside and share of the
20 plow and shows the removable point to which my present invention relates. Fig. II is a bottom view of the same. Fig. III is a side section taken on the line III III of Fig. I. Fig. IV is a section taken on the line IV IV
25 of Fig. I. Fig. V is a detail perspective view of the nose of the plow. Fig. VI is another perspective of the same with the point removed. Fig. VII is a detail perspective of the removable point. Fig. VIII is a cross-section of the said removable point through
30 the line VIII VIII of Fig. I. Fig. IX is a view of the key inverted.

1 represents the landside of my plow.

2 is the share, and 3 is a removable point
35 thereto. The share 2 is provided with a self-sharpening plate 4, held in position by a clamp-plate 5, having an arm 6 attached thereto.

7 is a brace-bar.

40 8 is a bolt, which engages in a slot 9 of the arm 6 and by which the plate 4 is secured to the share 2.

The front of the share terminates in a blunt end and is formed with a socket 10, which
45 has straight edges on the landside and bottom, but which is zigzag or V-shaped on the share side. This prevents lateral or other movement of the point 3, which is adapted to fit in the said socket 10. This socket is some-

what tapering, being smallest at its inner end, 50 and the point 3 is made to correspond therewith, so that when the said point is inserted in the socket the tendency is to tighten the same. This point 3 has cut out on its under side a dovetail recess.

11 is a plate having an upturned inner end 55 13, adapted to fit into notches 14 on the under side of point 3.

12 is a dovetail key adapted to fit the recess in 3 and lock the plate 11 securely in 60 position.

The end of plate 11 extends somewhat beyond the front of the point 3 and forms a cutting-edge, and is prevented from moving
65 backward by the upturned end thereof fitting into one of the notches 14. As the cutting-edge is worn away the point is removed from the plow, the key 12 taken out, and the
70 plate 11 moved forward a distance of one or more notches 14. The point is again inserted in the socket and the parts are again ready for use.

This construction provides for the removal of all that portion of the plow which extends
75 beyond the line of the edge 4, and hence affords an easy means of repairing the only parts that are liable to break. My former construction of providing a floor or bottom extending well forward beneath the removable point 3 rendered said floor or bottom liable to be broken, a danger avoided by my
80 present device.

I claim as my invention—

1. A plow comprising a share, having a blunt end formed with a socket which has
85 straight edges on the land-side and bottom and which is zigzag or V-shaped on the share side and the point fitting in the socket and against the blunt end of the share; substantially as described.

2. A plow comprising a share having its forward end formed with a socket, the point
90 formed with a dovetail recess, the adjustable plate having a cutting edge extending through the recess in the point, and a dovetail key whereby the plate is secured in the recess; substantially as described.

3. A plow comprising a share having its

forward end formed with a socket, the point
formed with a dovetail recess and with a se-
ries of notches on the under side of its inner
end, the adjustable plate having an upturned
5 inner end adapted to engage the notches and
a cutting edge extending through the recess
in the point, and a dovetail key whereby the

plate is secured in the recess; substantially
as described.

HENRY OLDENDORPH.

In presence of—

HENRY J. FINK,
E. W. WEST, Jr.