

(No Model.)

H. A. CURRIER.
Jointer for Plow.

No. 234,251.

Patented Nov. 9, 1880.

Fig. 1.

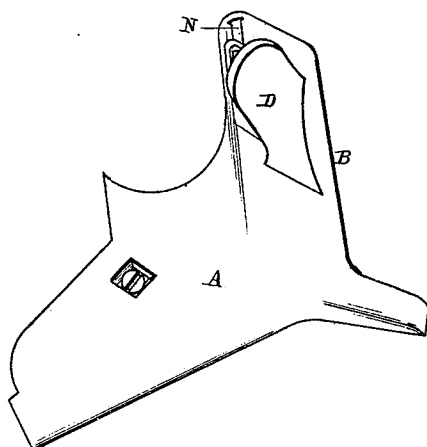


Fig. 2.

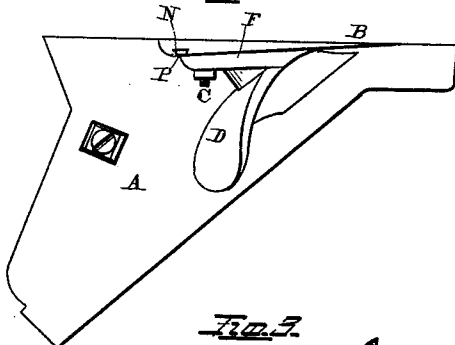


Fig. 3.

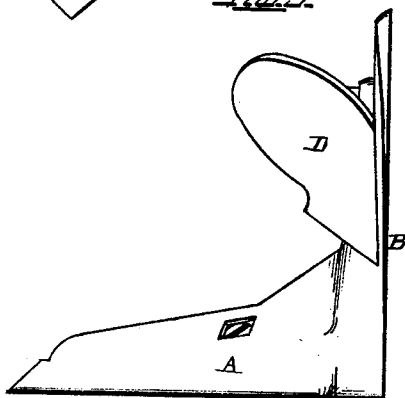
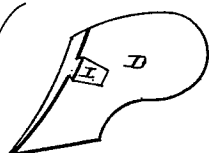


Fig. 4.



WITNESSES

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HENRY A. CURRIER, OF ALMONT, MICHIGAN.

JOINTER FOR PLOWS.

SPECIFICATION forming part of Letters Patent No. 234,251, dated November 9, 1880.

Application filed September 15, 1880. (No model.)

To all whom it may concern :

Be it known that I, HENRY A. CURRIER, of Almont, in the county of Lapeer and State of Michigan, have invented certain new and useful Improvements in Jointers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in jointers for plows; and it consists, first, in attaching the jointer directly to the side of the cutting-edge of the plow-point; second, in making the jointer of two separate and distinct pieces, which are united together by means of a dovetail so as to form practically one piece, and then clamping these pieces to the side of the cutting-edge of the plow-point in such a manner that they can be adjusted up and down, as will be more fully described herein-after.

The object of my invention is to attach the jointer directly to the cutting-point of the plow, so that it will always be in line with the furrow, and will never allow a stone or rubbish to get between it and the point of the plow, and thus cause the plow to be thrown out of the ground.

Another object in view is to simplify the construction of the jointer, and, by attaching it to the point with only a single bolt, greatly cheapen its cost.

Figure 1 is a perspective of a plow-point, showing the jointer attached. Fig. 2 is a plan view of the same. Fig. 3 is a front view, and Fig. 4 is a perspective of the two parts of the jointer ready to be put together.

A represents a plow-point, of any suitable construction, and which has the cutting-edge B rising vertically from its landside-edge. Secured directly to the side of this vertically-cutting edge by means of a single clamping-bolt, C, is the jointer. This jointer consists of the two parts D F, which are united together by means of a dovetail groove, H, and a correspondingly-shaped tenon, I. The part D is shaped something like the mold-

board of a plow, while the part F consists of a flat casting so formed upon its front edge as to support the part D rigidly in position. This part F has a vertical slot, O, of suitable length, made through it, and through this slot passes the bolt C, by which the jointer is held in position. This jointer can be adjusted vertically upon the cutting-edge B of the point the length of the slot O, so as to adapt the jointer to the depth of the furrow that is being cut.

In order to prevent this jointer from turning upon the clamping-bolt or getting out of position there is a groove, N, formed in the inner side of the cutting part B of the point; and on the inner side of the part F of the jointer is formed a corresponding flange, P, which fits in this groove, and thus keeps the jointer always straight.

By thus attaching the jointer directly to the cutting-edge of the plow it is always in line with the work being done, and gives no opportunity for a stone or any other substance to get between it and the point, whereby the plow would be thrown out of the ground and injured.

Another great advantage gained by applying this jointer directly to the point consists in the fact that only a single clamping-bolt is used, which bolt serves both to hold the jointer in position and to allow it to be adjusted up and down.

By making the jointer in two pieces it will readily be seen that should the part D become injured or broken it can be readily removed and a new one put in its place.

Having thus described my invention, I claim—

1. The combination of a plow-point having a vertical cutting-edge with a jointer which is applied directly to the side of the cutting-edge, substantially as shown.

2. The combination of a plow-point having a vertical cutting-edge, B, and a jointer which is applied directly to this edge, the jointer being provided with a flange and the edge with a corresponding groove in which the flange fits, whereby the jointer is kept straight, substantially as specified.

3. The combination of a plow-point having

a vertical cutting-edge, B, and clamping-bolt C, a plow-jointer consisting of the two parts D and F, which are united together, the part F being provided with the slot O, through which the clamping-bolt passes, and by means of which slot the jointer can be adjusted up and down, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of September, 1880.

HENRY A. CURRIER.

Witnesses:

C. R. FERGUSON,

CHAS. A. FATIN.