E. McDANIEL.

PLOW ATTACHMENT-JOINTER.

APPLICATION FILED JUNE 6, 1911.

1,004,803. Patented Oct. 3, 1911.

Fig. 1.

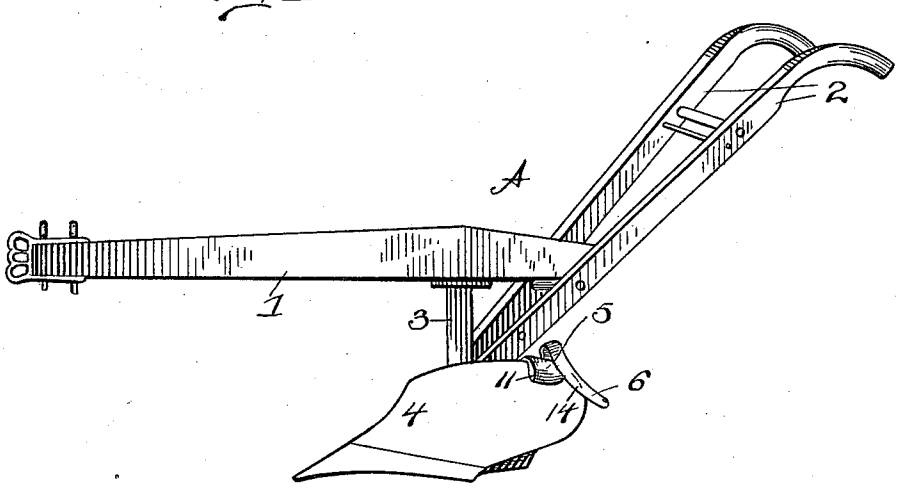


Fig. 4.

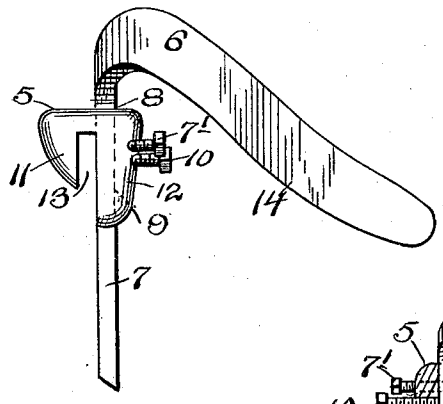


Fig. 3.

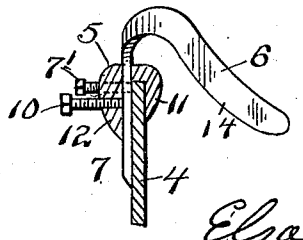
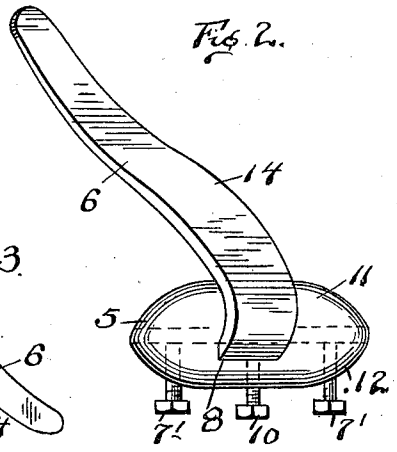


Fig. 2.



Witnesses

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PLOW ATTACHMENT—JOINTER.

1,004,803. Specification of Letters Patent. Patented Oct. 3, 1911.

Application filed June 6, 1911. Serial No. 631,504.

To all whom it may concern:

Be it known that I, ELZA McDANIEL, a citizen of the United States, residing at Martinsville, in the county of Clark and State of Illinois, have invented certain new and useful Improvements in Plow Attachments—Jointers, of which the following is a specification.

My invention is a plow attachment,—a jointer.

It is well known among the farmers that in turning the land over, especially in the spring of the year, there is always on the outer edge of the mold a small part of the mold which is not turned under and extending from it a small earthy growth of weeds, grass, etc., which is disposed to grow up and offer further obstruction to the successful cultivation of the land.

The object of this invention is to cut the turning edge of the mold so that it will be turned under the main body thereof and thus the small earthy growth be completely covered up and perish out of the way.

My jointer consists of a knife secured to the upper edge of the rear part of the mold board by means of a sleeve and screws.

Reference being had to the drawings: Figure 1 is a side elevation of a plow having my invention secured thereto. Fig. 2 is a perspective view of my invention. Fig. 3 is a cross sectional view on the line *x*—*x* of Fig. 1. Fig. 4 is a vertical end view showing the blade turned to the right instead of to the left as shown in Figs. 1, 2 and 3.

Referring more particularly to the accompanying one sheet of drawings, A represents the plow, 1 the beam, 2 the handles, 3 the standard and plow foot, 4 the mold board secured to the foot, 5 the sleeve, 6 the blade, 7 the arm of the blade which is adjustably secured in the rectangular perforation 8 and recess 9 in said sleeve by means of a screw 10. These three last figures represent my invention, the jointer adapted to be used in connection with the mold board of a plow. The short side 11, of the sleeve 5, always works on the front of the mold board while the long side 12, of the sleeve works on the rear side so that the screws 7′ and 10, are out of the way and will not take up the grass, weeds, etc., and clog the plow. The slot 13, in the sleeve fits over the upper edge of the mold board and somewhat to the rear of its center. The front edge 14, of the blade 6, is sharp so as to cut the turning edge of the mold as the plow is moved along. The sleeve is bound securely to the mold board by means of the screw 7′, and the arm of the blade is pressed against the rear side of said mold board by means of the screw 10.

It will be seen by reference to Fig. 4 in which the blade is turned to the right instead of to the left as shown in Figs. 1, 2 and 3, that my invention, the jointer, may be used on a right hand plow as well as on a left hand plow.

Although I have specifically described the specific construction, combination and arrangement of the several parts of my invention, yet I do not confine myself to such specific construction and arrangement but reserve and may exercise the right to make such changes therein as do not depart from the spirit of the specification or the scope of the appended claims.

Having described my invention what I claim as new and desire to secure by Letters Patent, is:

1. An attachment to the mold board of a plow consisting of a sleeve 5, having running vertically in it a rectangular perforation 8 and a recess 9, said sleeve having a vertical slot 13 dividing it into two sides, a short side 11, and a long side 12, screws 7′ working through the long side of said sleeve adapted to secure said sleeve to the mold board and screw 10, working through said long side adapted to press the arm of the blade against the rear face of said mold board, a blade 6 secured to said handle and extending above said sleeve turning outwardly and slightly downward, substantially as shown and described.

2. In combination with the mold board of a plow, an attachment, a sleeve having its lower part divided into two sides by means of a vertical slot, the long side thereof provided with a vertical rectangular perforation and a vertical recess, a blade having an arm adapted to be adjustably secured in said recess and against the rear side of said mold board, the blade extending outwardly and substantially at a right angle from said handle, said sleeve adapted to be secured to said mold board by means of screws, substantially as shown and described.

3. In combination with the mold board of a plow, a sleeve having running upwardly and vertically in it a slot dividing said sleeve into two parts, said parts adapted to fit

over the upper edge of said mold board and to be securely secured thereto, said sleeve having running vertically through it a rectangular opening and on the inner face of one of the parts a recess, a blade having its handle adjustably secured in said rectangular opening and recess, said blade extending outwardly from said handle and slightly downwardly, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

ELZA McDANIEL.

Witnesses:

D. A. THORNBURGH,

CHARLEY NASH.