(No Model.)

J. B. PEDRICK.

CORN PLANTER.

No. 335,954. Patented Feb. 9, 1886.

Fig. 5.

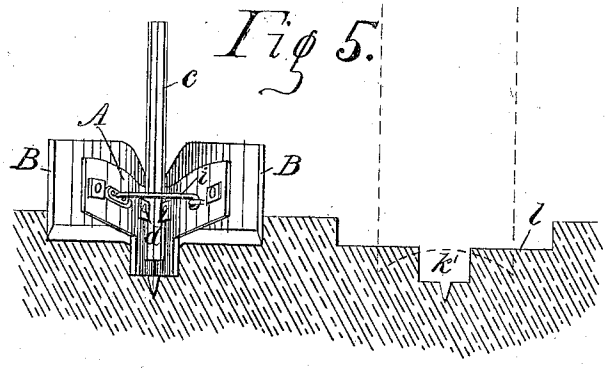
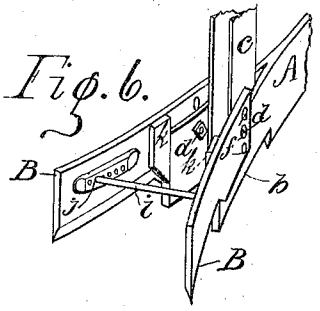


Fig. 6.



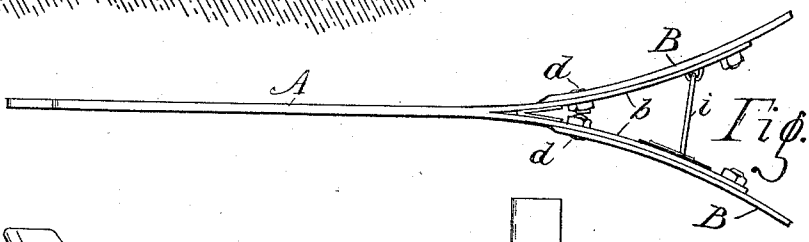


Fig. 4.

Fig. 2.

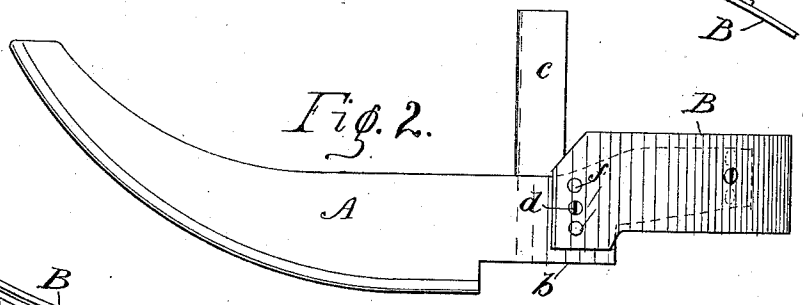
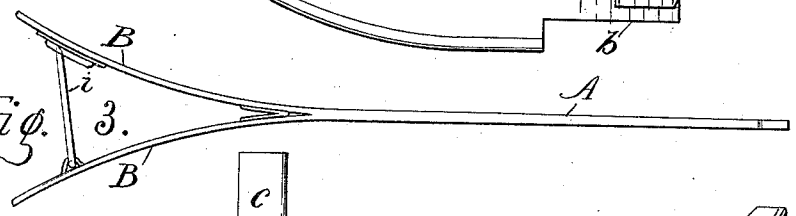


Fig. 3.



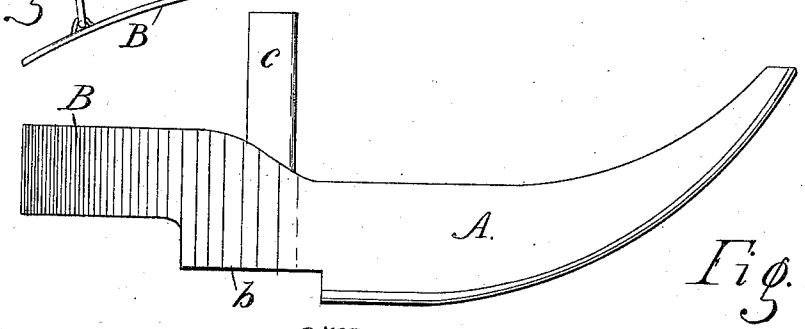


Fig. 1.

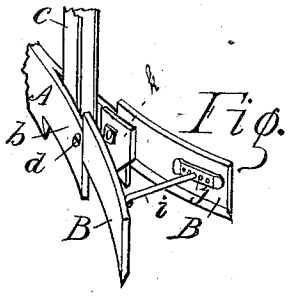


Fig. 7.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH B. PEDRICK, OF COLUMBUS, INDIANA.

CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 335,954, dated February 9, 1886.

Application filed July 23, 1885. Serial No. 172,378. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH B. PEDRICK, a citizen of the United States, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented a new and useful Improvement in Corn-Planters, of which the following is a specification.

My invention relates to an improvement in that class of corn-planting machines in which the furrow for the reception of the seed is formed by a sharp-edged runner terminating at its rear end in a wedge-shaped portion, which pushes the opened earth to each side, and gives a plane surface to the bottom of the furrow, and in which a secondary furrow, shallower than the seed-furrow, is formed by wings secured to the rear of the runner.

The objects of my improvement are to provide means for the vertical adjustment of the wings which form the secondary furrow, and to provide means for bracing said wings laterally, as hereinafter fully described.

The accompanying drawings illustrate my invention.

Figure 1 is a side elevation of a corn-planter runner having the wings for the secondary furrow formed integral with the runner. Fig. 2 is a similar view having the improvement formed separately and adjustably secured to a runner of ordinary form. Fig. 3 is a plan of Fig. 1. Fig. 4 is a plan of Fig. 2. Fig. 5 is a rear elevation, showing also the shape of the two furrows and their relation to the covering-wheel, which is shown in dotted lines. Figs. 6 and 7 represent modifications showing different methods of securing the attachment to the runner.

A is the ordinary well-known runner, having its front and bottom brought to a thin edge and its rear end, *b*, divided and attached to the standard *c*, on which is usually mounted the corn-dropping mechanism. (Not shown.)

B B are a pair of plates forming wings, each secured at one end to the runner by means of a bolt, *d*, and diverging backward therefrom. Said wings are arranged to be adjusted vertically in relation to the lower edge, *b*, of the runner by means of a series of holes, *f*, formed either in the plates, as seen in Figs. 2 and 6, or in the runner.

For the purpose of preventing plates B from swinging vertically on the bolt *d*, said plates are arranged to engage the vertical ends of the rear portion of the runner, either by means of a cleat, *k*, as in Fig. 6, or the ends of the plates, as in Fig. 7.

For the purpose of bracing the rear ends of plates B so that each will help the other resist the thrust against their outer surfaces, a rod, *i*, is hinged at one end to the inner side of one plate, and engages a notch, *j*, in the inner surface of the other; and that the distance between the extreme rear ends of the plates may be adjusted to different widths a series of notches, *j*, is provided, so that as the free end of rod *i* is swung inward the wings are forced farther apart and held by the rod engaging one of the notches.

In operation the wings B B are adjusted so that their lower edges are above the edge *b* of the runner a distance corresponding to the depth to which it is desired to plant the corn. Then as the machine is drawn forward a furrow, *k'*, Fig. 5, is formed by the runner, and a second shallower and wider furrow, *l*, is formed above and on each side of the first, thus leaving the deeper furrow, in which the seed is planted, of uniform depth throughout, and forming a smooth uniform upper surface from which all weeds and clods have been pushed aside out of the track of the covering-wheel.

It will be observed that in Figs. 1 and 3 the wings B are shown as formed integral with the runner, and their operation is the same, except that the relative depth of the furrows is not adjustable.

I claim as my invention—

1. In a corn-planter, the combination, with the runner A, of plates B B, each having the series of holes *f* and a cleat, *k*, and secured to the runner by a bolt, *d*, all substantially as and for the purpose specified.

2. The combination, with the runner A, plates B B, and bolts securing the plates at one end to the runner, of the rod *i*, hinged to one of said plates and arranged to engage a series of notches, *j*, in the other plate, substantially as and for the purpose specified.

JOSEPH B. PEDRICK.

Witnesses:

JEFF. B. REEVES,

MARSHALL HUCKER.