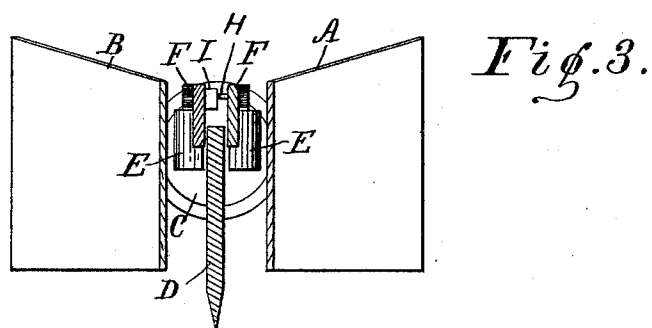
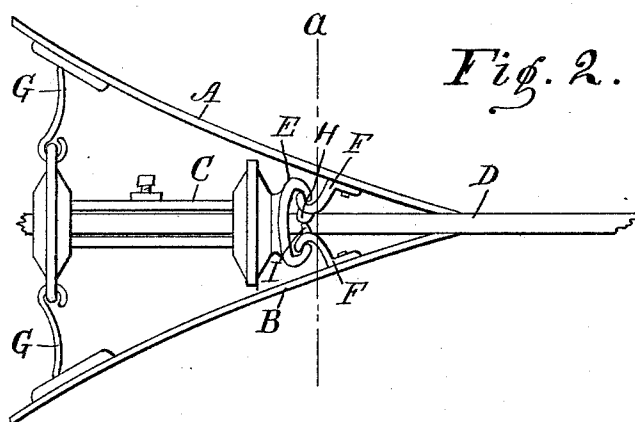
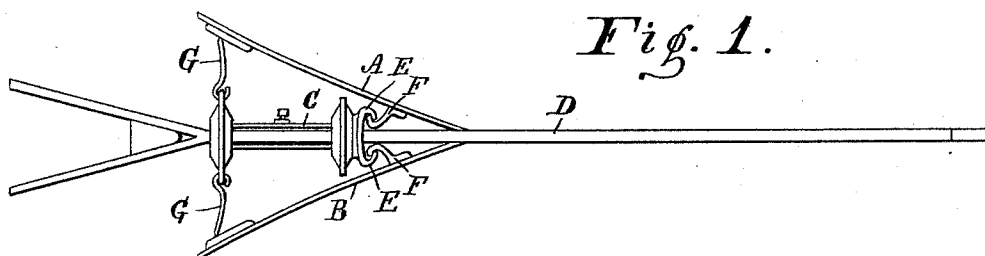


(No Model.)

J. B. PEDRICK.
CORN PLANTER ATTACHMENT.

No. 485,710.

Patented Nov. 8, 1892.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOSEPH B. PEDRICK, OF COLUMBUS, INDIANA.

CORN-PLANTER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 485,710, dated November 8, 1892.

Application filed August 12, 1892. Serial No. 442,859. (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-Planter Attachments, of which the following is a specification.

My invention relates to an improvement in an attachment to the furrow-runner of a corn-planter for the purpose of scraping away the surface of the soil from each side of the furrow, for which Letters Patent No. 356,290 were issued to me January 18, 1887.

Said attachment consists, essentially, of a pair of diverging plates connected at their forward ends to a casting, which is mounted upon the upper edge of the furrow-runner, near its rear end, and secured rigidly thereto. Said casting is provided at its forward end with a pair of lateral arms, which are adapted to interlock with hook-shaped brackets, which are secured, respectively, to the inner face of the diverging plates. The opposed faces of said arms and brackets may be made corrugated horizontally, so that the plate may be adjusted to any desired height relatively to the runner. The plates are attached to the runner by engaging the brackets thereon with the arms above mentioned and then pushing the rear ends outward and securing them in that position by means of brace-rods attached at one end to the casting which is mounted on the furrow-runner and engaging with their free ends one of a series of notches in blocks secured to the plates. For ordinary purposes this fastening is found sufficiently secure; but in working ground which has become baked or otherwise hardened it is found that the pressure upward and outward against the lower rear corners of the divergent plates operates to throw the upper front corners of the plates inward toward each other and by this means to disengage the brackets on the plate from the arms with which they are connected.

The object of my present improvement is to provide means to prevent the brackets on the respective plates from approaching each other after being secured upon the runner, such means being adapted to the convenient vertical adjustment of the plates, all as hereinafter fully described.

The accompanying drawings illustrate my invention.

Figure 1 represents a plan of a corn-planter runner and the plates secured thereto, as shown in my before-mentioned Letters Patent. Fig. 2 represents, on a larger scale, a similar plan having my present improvement. Fig. 3 represents a vertical section and front elevation at *a*, Fig. 2.

In the drawings, A indicates one of the attached plates and B the other.

C indicates the casting, which is secured to the furrow-runner D and which is provided with forwardly-projecting arms E E.

F F are the brackets which are secured to the respective plates and which interlock with the arms E when the rear ends of the plates A and B are forced apart by means of the brace-rods G G. When the plates are secured to the furrow-runners, their upper edges project a considerable distance above the upper edge of the runner. For the purpose of preventing these upwardly-projecting portions of the plates from being forced toward each other, and thus being disengaged from the arms E, I form upon the opposed edges of the upper portion of the brackets F a pair of lugs H and I, which fill the space between the two brackets. For the purpose of insuring the engagement of the opposed edges of the lugs with each other when the plates are set at different heights or at different angles with the furrow-runner one of said lugs H is made broad in a horizontal plane and thin vertically, while the other lug I is made broad vertically and thin horizontally, thus giving a wide contact-surface to the lugs in both directions without adding materially to the weight of the bracket.

I claim as my invention—

In a corn-planter attachment of the class described, the combination, with the plates A and B, having brackets F, adapted to interlock with arms permanently secured to the furrow-runner of a corn-planter, of the lugs H and I, formed upon said brackets, respectively, and adapted to co-operate, substantially as and for the purpose set forth.

JOSEPH B. PEDRICK.

Witnesses:

NEWTON C. SPURGIN,
WM. J. PEDRICK.