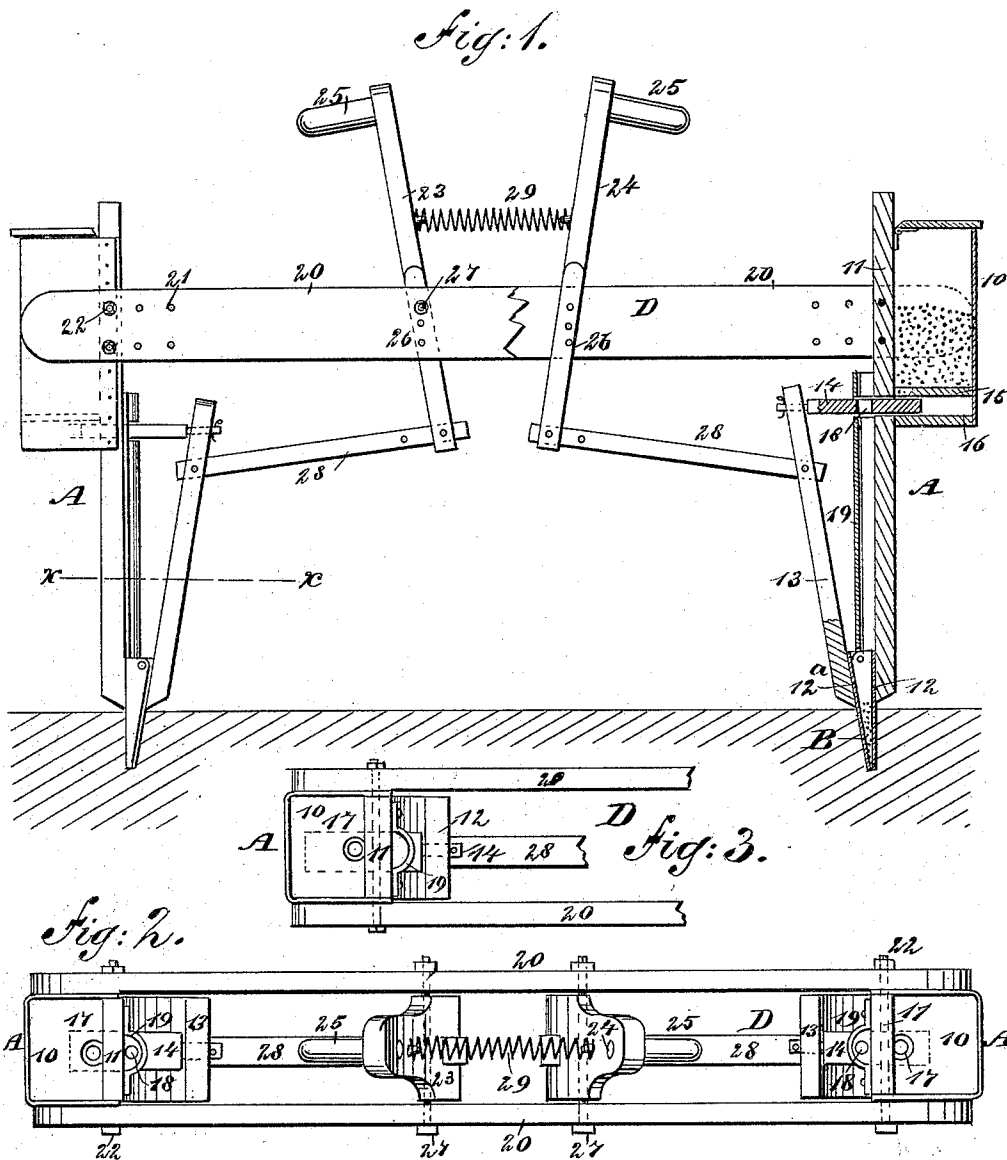


(No Model.)

H. SEPPMANN.
HAND PLANTER.

No. 466,627.

Patented Jan. 5, 1892.



WITNESSES:

Chas. Nida
E. Mc Clark

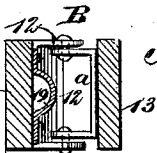


Fig: 4.

INVENTOR

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ATTORNEYS

UNITED STATES PATENT OFFICE.

HERMAN SEPPMANN, OF SOUTH BEND, MINNESOTA.

HAND-PLANTER.

SPECIFICATION forming part of Letters Patent No. 466,627, dated January 5, 1892.

Application filed October 3, 1891. Serial No. 407,660. (No model.)

To all whom it may concern:

Be it known that I, HERMAN SEPPMANN, of South Bend, in the county of Blue Earth and State of Minnesota, have invented a new and useful Improvement in Hand-Planters, of which the following is a full, clear, and exact description.

My invention relates to an improvement in hand-planters, and has for its object to provide a means whereby two hand-planters may be connected, held at a suitable distance apart, and operated to simultaneously plant two hills.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation, partly in section, of the complete implement. Fig. 2 is a plan view of the complete device. Fig. 3 is a plan view of one end of the implement, and Fig. 4 is a section taken practically on the line *x x* of Fig. 1.

The planters A are alike in construction and may be of any approved type. In the drawings the planters each consist of a seed-box 10, which is secured to one side of a vertically-disposed rail or beam 11. The lower end of this beam 11 has attached thereto one section 12 of a shoe B, the other section 12^a of the shoe being attached to a shorter beam 13, which beam extends upward parallel with the rear beam 12 when the drop-slide 14 is in position to receive seed, and the attachment between the two beams is effected by the pivoting of the two shoe-sections, which is effected at their upper ends. The seed-box is located at the back of the main beam 11 and is provided with an auxiliary bottom 15, forming thereby a chamber 16, and the auxiliary bottom is provided with an opening 17, leading into the chamber 16. The seed-drop slide has movement in this chamber through a suitable opening in the beam 11 and is provided with an opening 18, extending through from side to side. The seed-drop slide is attached, as

heretofore stated, to the upper end of the shorter beam 13. A chute 19 is vertically secured to the inner face of the main beam 11 and extends down from a point above the drop-slide to a connection with the upper portion of the shoe B. The chute 19 is provided with a slot registering with that in the main beam through which the drop-slide passes.

Two planters of this or of any approved construction are placed at suitable distances apart and are connected by a frame D, consisting of two parallel horizontal side beams 20, which beams are adjustably secured at their ends to opposite sides of the seed-boxes 10 of the planters, the adjustable connection being effected by producing in the beams of the frame a series of apertures 21 and providing bolts 22 to pass through said apertures and through corresponding openings in the main beam 11. At each side of the center of the frame D between the members thereof a lever is fulcrumed, the levers being designated, respectively, as 23 and 24. These levers normally stand at angles to each other—that is, they incline in the direction of opposite ends of the frame, and extend above and below the latter, as is best shown in Fig. 1, each lever being provided at its upper end with an outwardly-extending horizontal handle 25. The levers 23 and 24 are adjustably fulcrumed between the members of the frame, the levers and likewise the members of the frame being provided with aligning apertures 26, through which the bolt 27 is passed. The lower end of each lever is connected by a link or bar 28 with the short beam 13 of the planter nearest to it. When the levers are in their normal position, (shown in Fig. 1,) the lower ends of the shoes B are closed.

In the operation of planting, when the shoes are pushed into the ground the levers are carried in direction of each other, which forces the seed-drop slides 14 beneath the seed-boxes and the said slides receive their charge of seed, and in so doing the sections of the shoes at their lower ends are forced apart and any seed that may be contained in the shoes is deposited in the ground. When the levers 23 and 24 are carried away from each other to their normal position, the seed-drop slides are drawn outward and the seed carried there-

by is spilled into the shoes B through the spouts or chutes 19. Thus at one movement of the levers the seed is planted in the ground, and at the next movement the shoes are charged so that they may be again operated to plant their respective hills. The levers 23 and 24 are normally forced apart by means of a spring 29. Thus the only exertion required on the part of the operator in the manipulation of the implement is to carry the two levers in direction of each other, and when the levers are released they will return automatically to their normal position and seed will be placed in the shoes even before said shoes are lifted out of the ground, or while the implement is being lifted.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

The combination, with two planters oppositely located and spaced some distance apart, of a horizontal frame rigidly connecting the two planters, levers fulcrumed within the frame, one at each side of the center thereof and extending above and below it, handles attached to the levers, and a spring normally forcing the levers apart above their fulcrum, and connecting-bars uniting the levers with the operative mechanism of the planters, as and for the purpose specified.

HERMAN SEPPMANN.

Witnesses:

THOS. HUGHES,
EVAN HUGHES.