

Curran W. Henkle, Corn-Planter.

assigned to Self & Cyrus R. Parrott

PATENTED

Fig:1. FEB 11 1868

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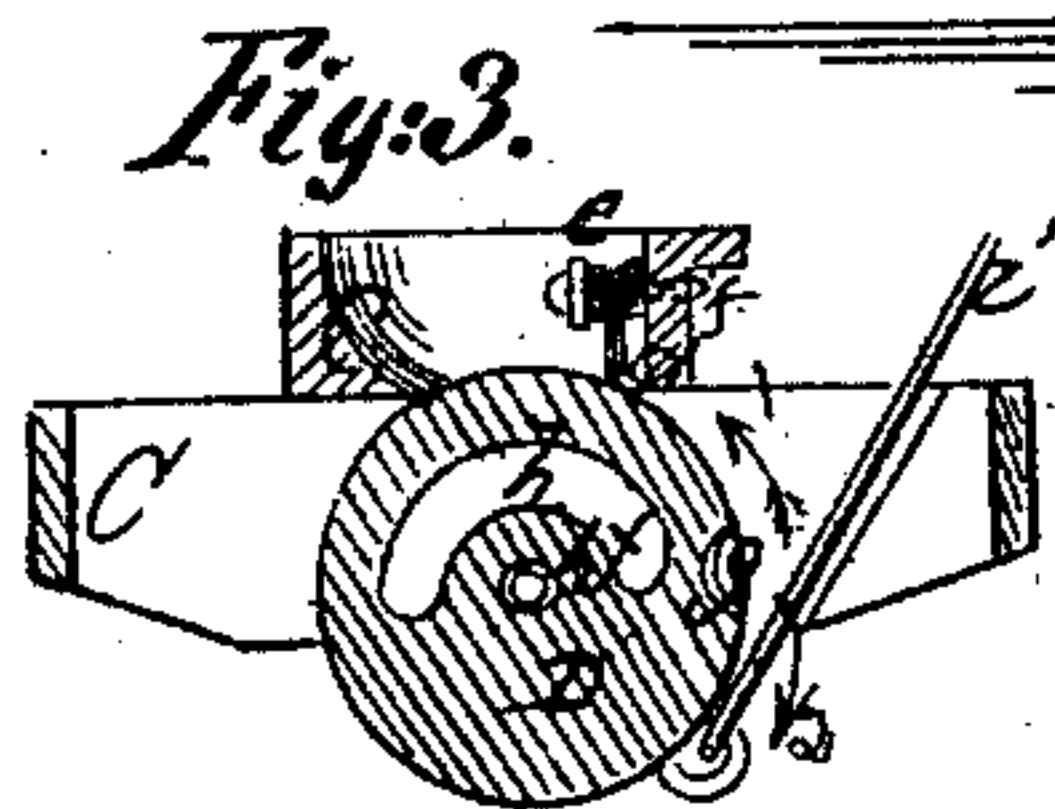
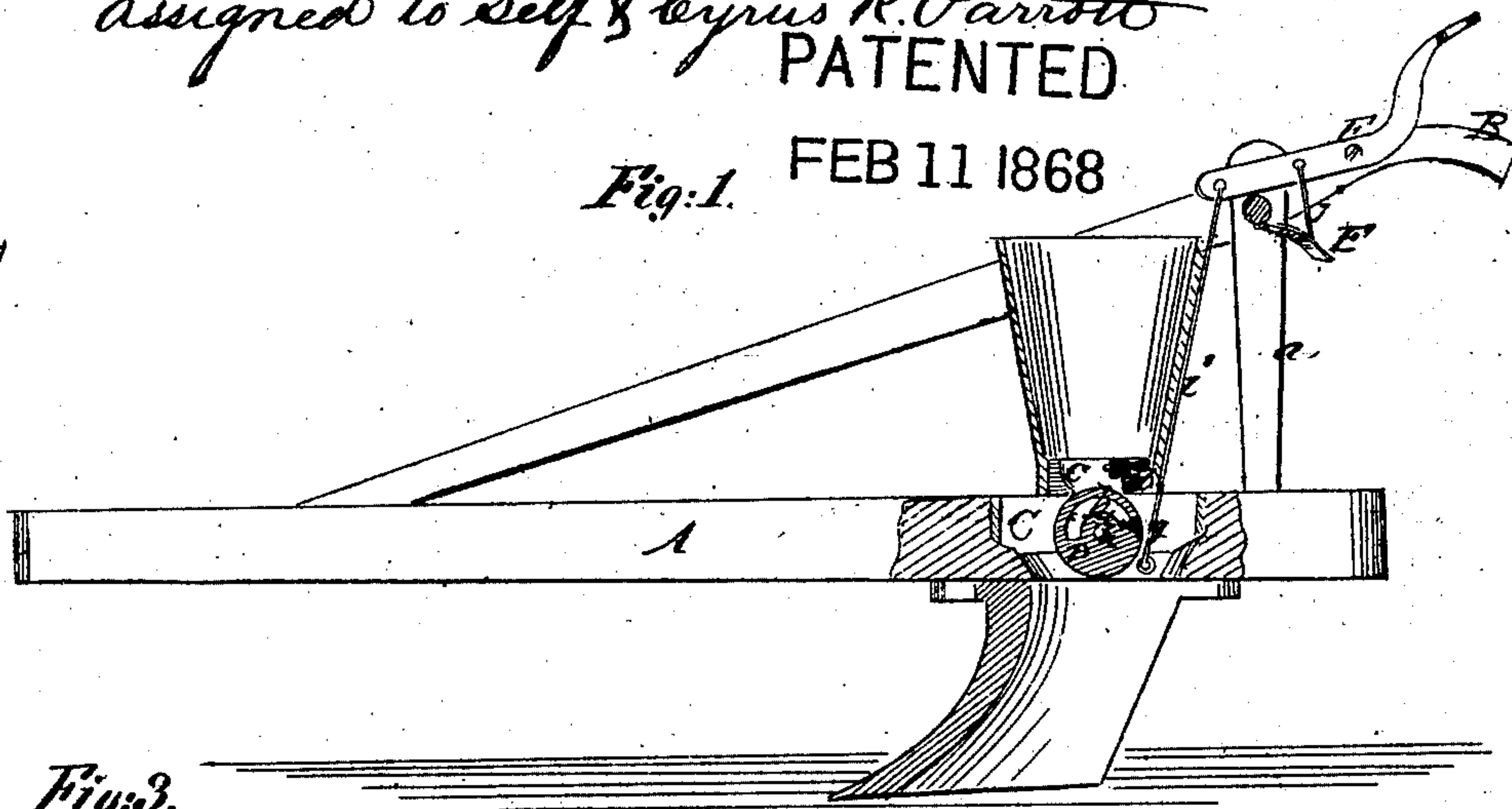


Fig:2.

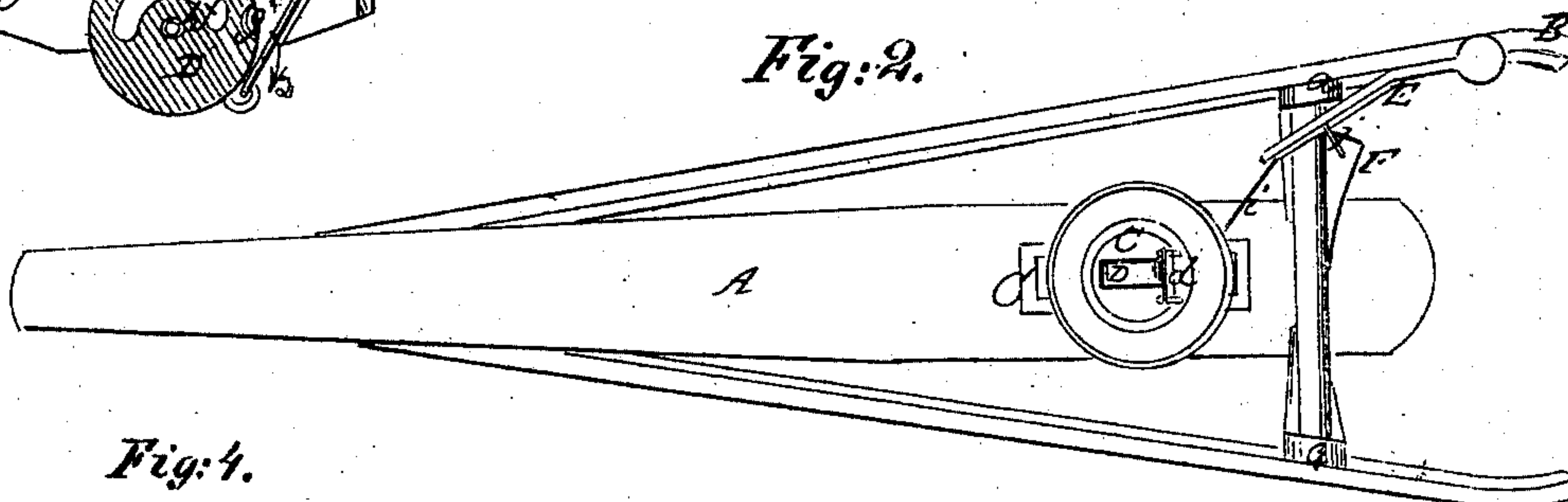


Fig:4.

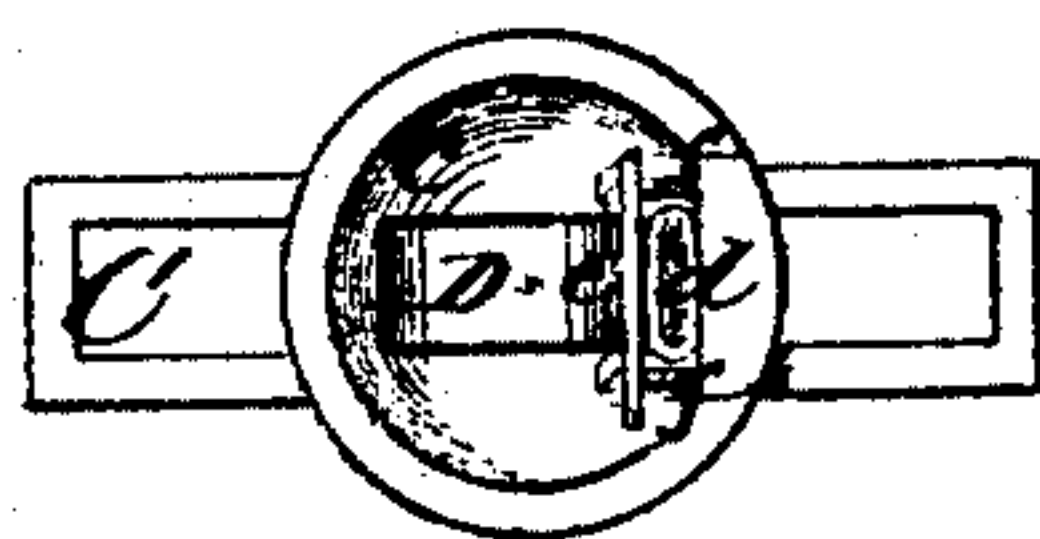
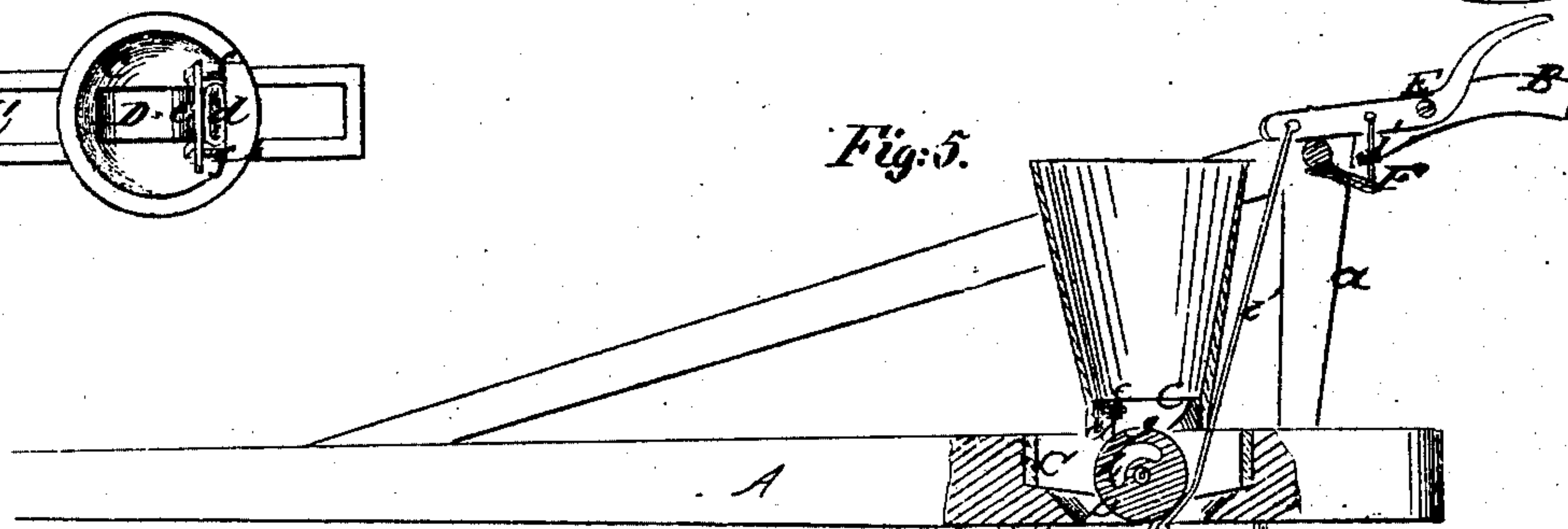


Fig:5.



Witnesses
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CURRAN W. HENKLE, OF WASHINGTON COURT-HOUSE, OHIO.

Letters Patent No. 74,357, dated February 11, 1868.

IMPROVEMENT IN CORN-PLANTERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CURRAN W. HENKLE, of Washington Court-House, in the county of Fayette, and State of Ohio, have invented a new and improved Corn-Planter; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to a new and improved device for planting corn, and of that class in which the corn is dropped by a direct manipulation of the operator as the device is drawn along.

The invention consists in a peculiar construction and operation of the parts, as hereinafter fully shown and described, whereby a very durable and economical device for the purpose specified is obtained, and one which may be manipulated with the greatest facility. In the accompanying sheet of drawings—

Figure 1 is a side sectional view of my invention.

Figure 2, a plan or top view of the same.

Figure 3, a detached side sectional view of the lower part of the hopper and the metallic box connected therewith.

Figure 4, a plan or top view of fig. 3.

Figure 5 a side sectional view of a modification of the invention.

Similar letters of reference indicate corresponding parts.

A represents a beam, which has two handles, B B, attached, supported near their outer ends by uprights, *a a*. This beam has a plough, of proper construction, attached, as shown in red in fig. 1. The beam A has a mortise, *b*, made in it, extending entirely through, in a vertical direction, and in this mortise there is fitted a cast-iron box, C, open at top and bottom, and having, at its upper surface, and cast with it, a socket, *c*, which forms the bottom of a hopper, shown in red in figs. 1, 2, and 3. This socket or metallic bottom is internally a section of a hollow sphere, except at its rear side, where there is a vertical part to which a cut-off brush, *d*, is attached by means of a clamp, composed of a plate, *e*, and two screws, *f f*. The bottom of this socket *c* has a slot in it, to expose the upper part of the periphery of the distributing-wheel D, (see figs. 1, 3, and 5.) This distributing-wheel may also be of cast iron, and it has a seed-cell, *g*, made in its periphery, and said wheel is lighter at one side than at the other, in consequence of an opening, *h*, being left in it in casting, (see figs. 1 and 3.) One end of this opening *h*, it will be seen, is opposite the seed-cell *g*. The wheel D is fitted and works upon an axis, *h'*, which passes transversely through the box C, and it has a rod, *i*, attached to it just below the cell *g*, said rod extending upward to a hand-lever, E, which is attached to the right handle B of the device, the lever E having a spring, F, connected to it by a rod, *j*, which spring has a tendency to keep the front end of the lever E drawn downward, and the seed-cell *g* outward from and at the rear of the cast-iron bottom *c* of the hopper, as will be fully understood by referring to fig. 1.

As the device is drawn along, the outer end of the hand-lever E, whenever a dropping is to be made, is pressed down by the operator, and the wheel D thereby turned in the direction indicated by the arrow 1, so that the cell *g* will enter the bottom *c* of the hopper, and become filled with seed, said wheel, as the hand-lever E is released, turning in an opposite direction, as indicated by arrow 2, under the influence of the spring F and the heavy side of the wheel D, the cell *g*, during this movement of the wheel, passing out from the bottom, C, under the brush *d*, which cuts the seed off from the cell, the seed being discharged from the latter as it reaches the termination of its backward movement.

In fig. 5 the opening *h* is shown in a different part of the wheel, to wit, directly under the cell *g*, and the rod *i* is attached to the wheel at a point on its periphery directly opposite to where the seed-cell *g* is located. This arrangement is for discharging the seed in front of the hopper, instead of at the rear, the box C being reversed in position. The principle of operation, however, is the same in both cases.

The cast-iron box C, and the metallic bottom *c* of the hopper, render the device very strong and durable, reduce the cost of construction, and admit of the distributing-wheel operating with certainty.

I claim as new, and desire to secure by Letters Patent—

1. The metallic box C and bottom *c* for the hopper, fitted in the beam A, the box and bottom being both cast in one piece, and all arranged to operate in the manner substantially as and for the purpose set forth.

2. The distributing-wheel D, provided with the seed-cell *g*, and slot or opening *h*, all arranged to operate substantially in the manner as and for the purpose set forth.

3. The cut-off brush *d*, applied or secured within the metal bottom *c*, to operate in the manner substantially as and for the purpose specified.

CURRAN W. HENKLE.

Witnesses:

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