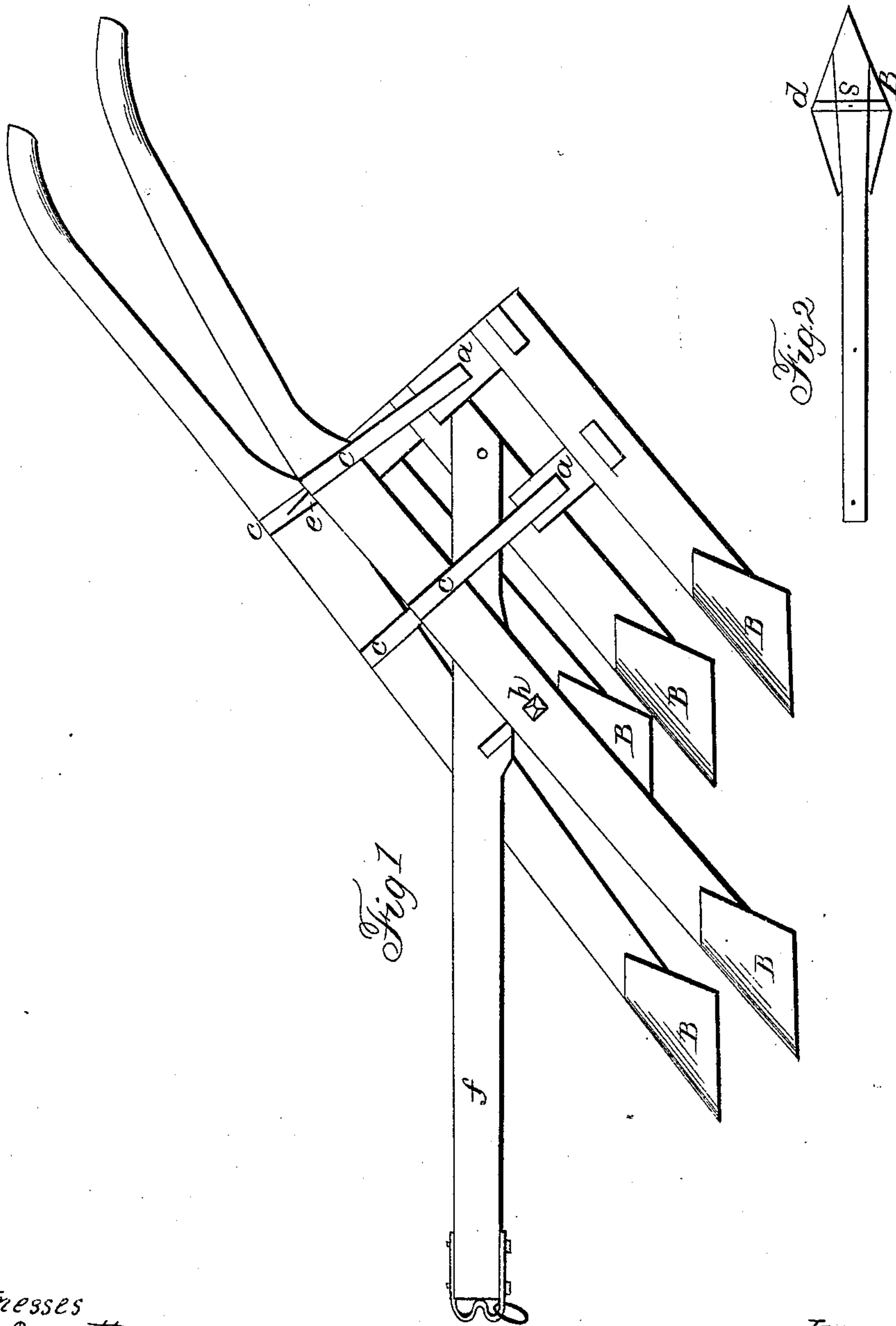


D. DENNETT.

Cultivator.

No. 51,567.

Patented Dec 19 1865



Witnesses
L. B. Dennett
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Inventor
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UNITED STATES PATENT OFFICE.

DANIEL DENNETT, OF BUXTON, MAINE.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. 51,567, dated December 19, 1865.

To all whom it may concern:

Be it known that I, DANIEL DENNETT, of Buxton, in the county of York, State of Maine, have invented a new and improved machine for cultivating crops planted in rows and for preparing the land after the plow for the seed, and so constructed as to prevent it from clogging up with roots and weeds; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective view; Fig. 2, a longitudinal elevation of one of the legs of the machine.

The machine, which I call a "cultivator," is composed of two sections. The rear section has three legs, made of strong wood, arranged parallel to each other and connected by two parallel bars, *a a*, Fig. 1. To the lower end of these legs the metallic shoes B B B B B are affixed and fastened by a screw, *S*, passing through the cross-bar *d* in the heel of the shoe B, as shown in Fig. 2. These legs project forward, making an inclined plane, up which the weeds pass and prevent the machine from clogging. From the two cross-bars in the rear section are erected four perpendicular posts, *c c c c*, by which the two sections of the machine are in part connected. The front section is composed of two legs of like construction, except that they are prolonged at the upper end and constitute the handles. These two legs are connected, by a rod, *e*, at the upper end of the legs, passing through the tops of the posts in which the legs rest. They are

further connected by the bar *h*, which passes through the beam *f*. Said beam further connects the two sections by having one end attached to the middle leg of the rear section, and its connection with the front section by the bar *h*. Said beam is made like a plow-beam, to be used with or without a truck.

The metallic shoe is so constructed that each wing or furrow-board is a plane-surface cut at the bottom in a straight line from toe to heel. The two wings intersect each other at the top in a sharp acute angle, forming a cutter, which recedes from the toe on a regularly-inclined plane corresponding precisely with the direction of the leg. The two wings of the shoe are connected and strengthened by the cross-bar at the heel of the shoe, as shown in Fig. 2.

The above is a description of a one-horse machine, to be used between rows. The large size, to be used, after the plow, differs in no respect, except one more section is added and connected in the same manner.

The drawings are eight times less than a working machine.

What I claim, and desire to secure by Letters Patent, is—

The plow-standards constructed as herein described, in combination with the beam fastened by the cross-piece to the front standards, and with the braces or ties that confine the rear standards to the front standards, substantially as herein specified.

DANIEL DENNETT.

Witnesses:

L. B. DENNETT,
D. H. DRUMMOND.