

(No Model.)

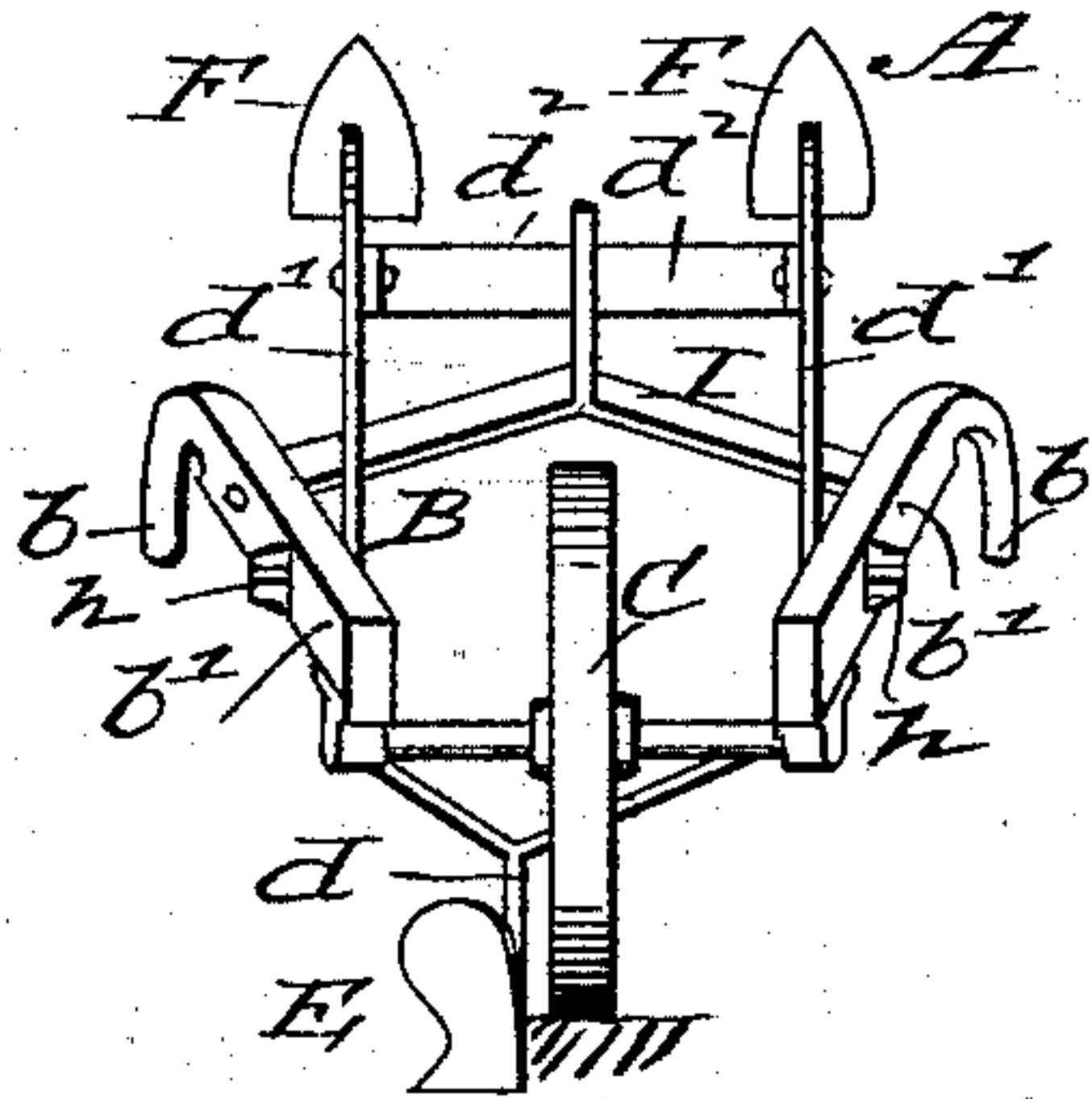
D. C. LEE.

WHEEL HOE.

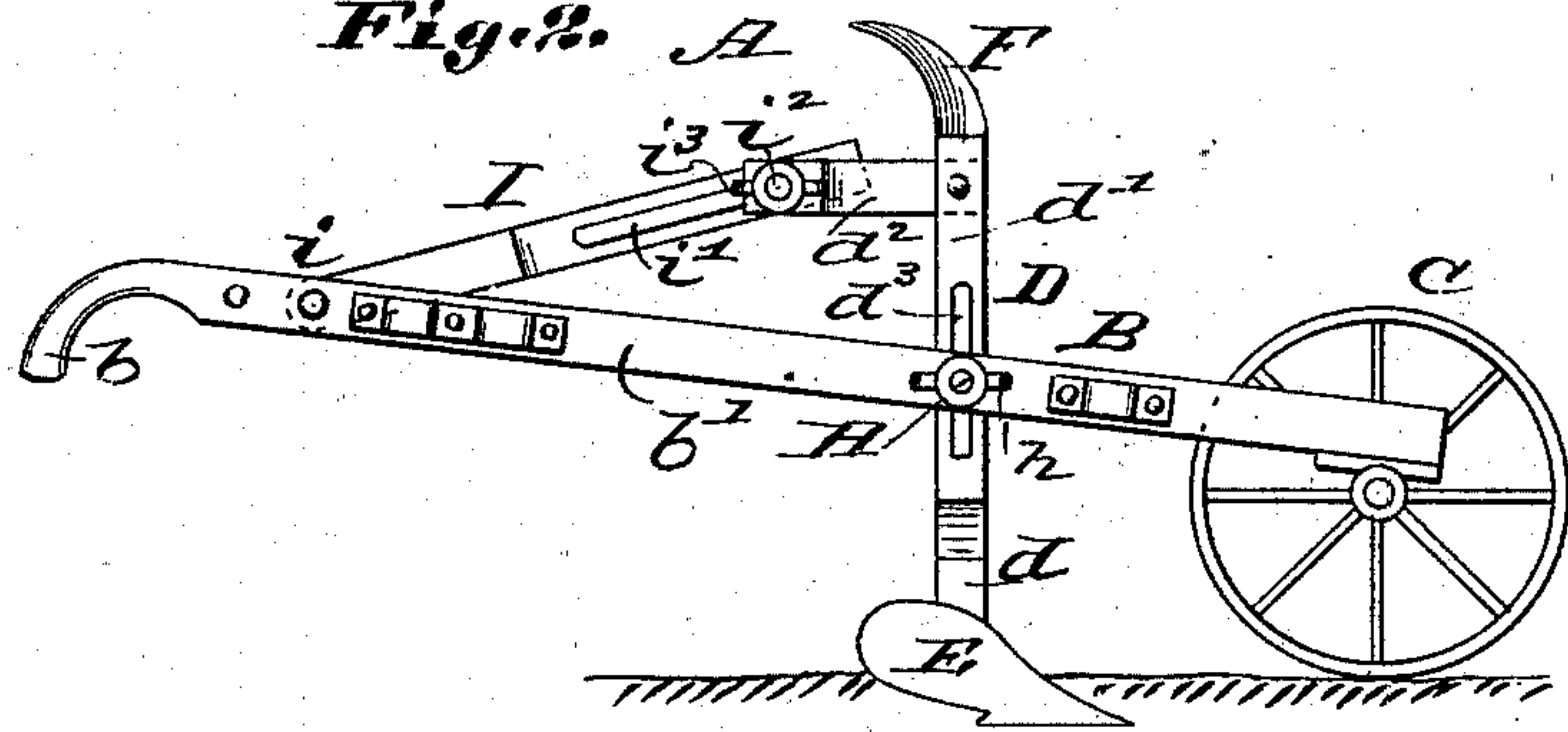
No. 282,202.

Patented July 31, 1883.

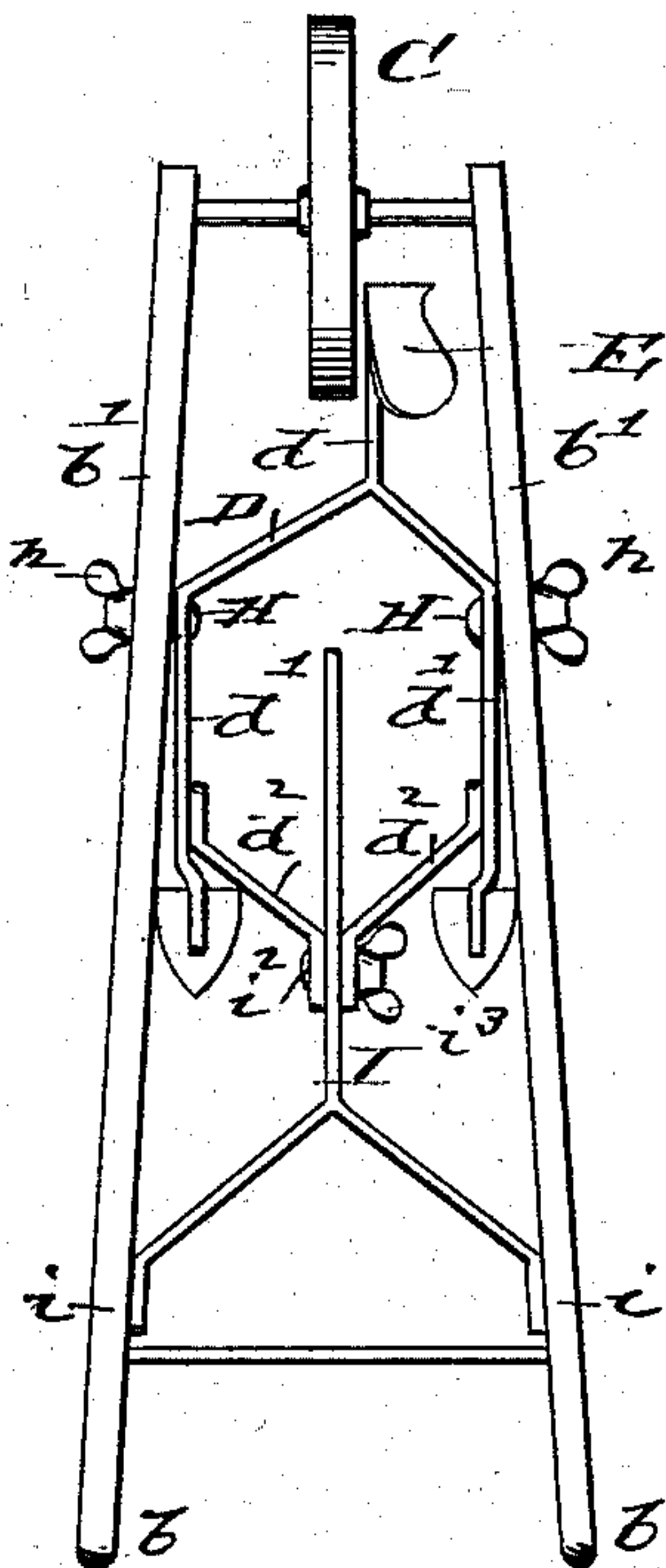
*Fig. 1.*



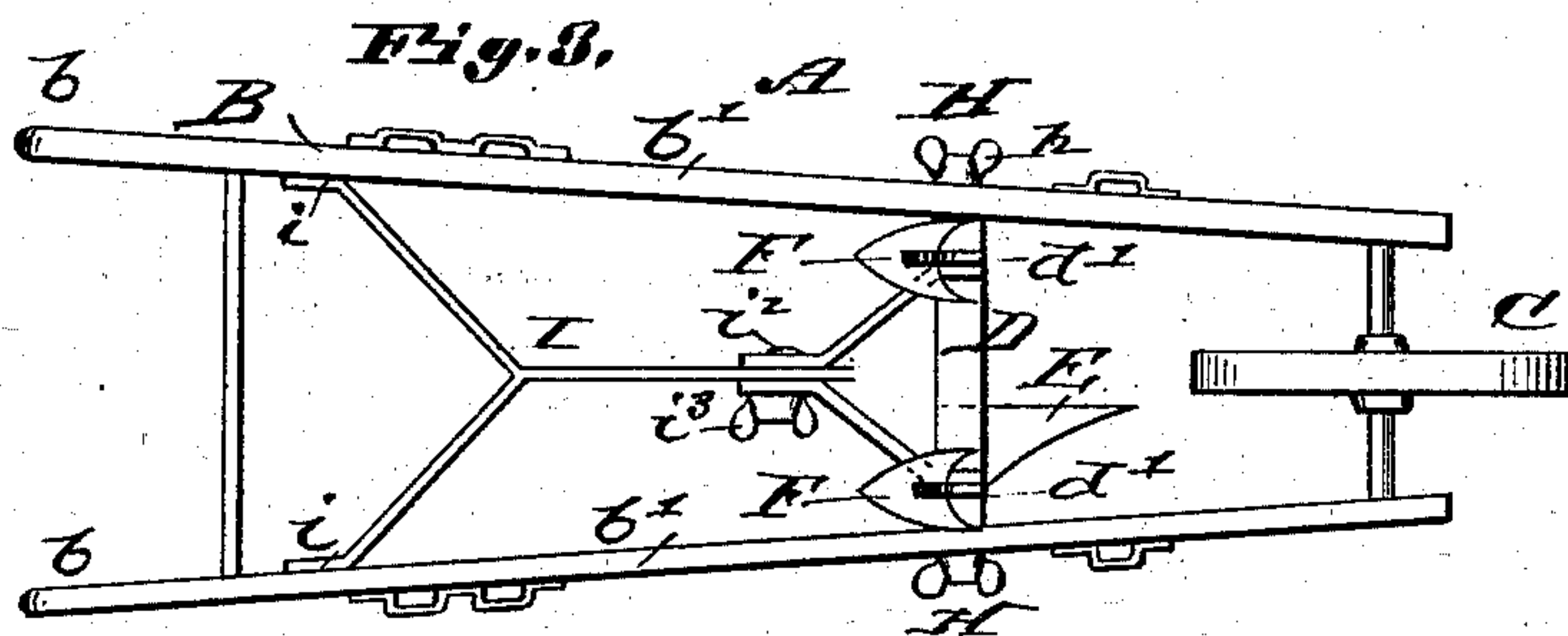
*Fig. 2.*



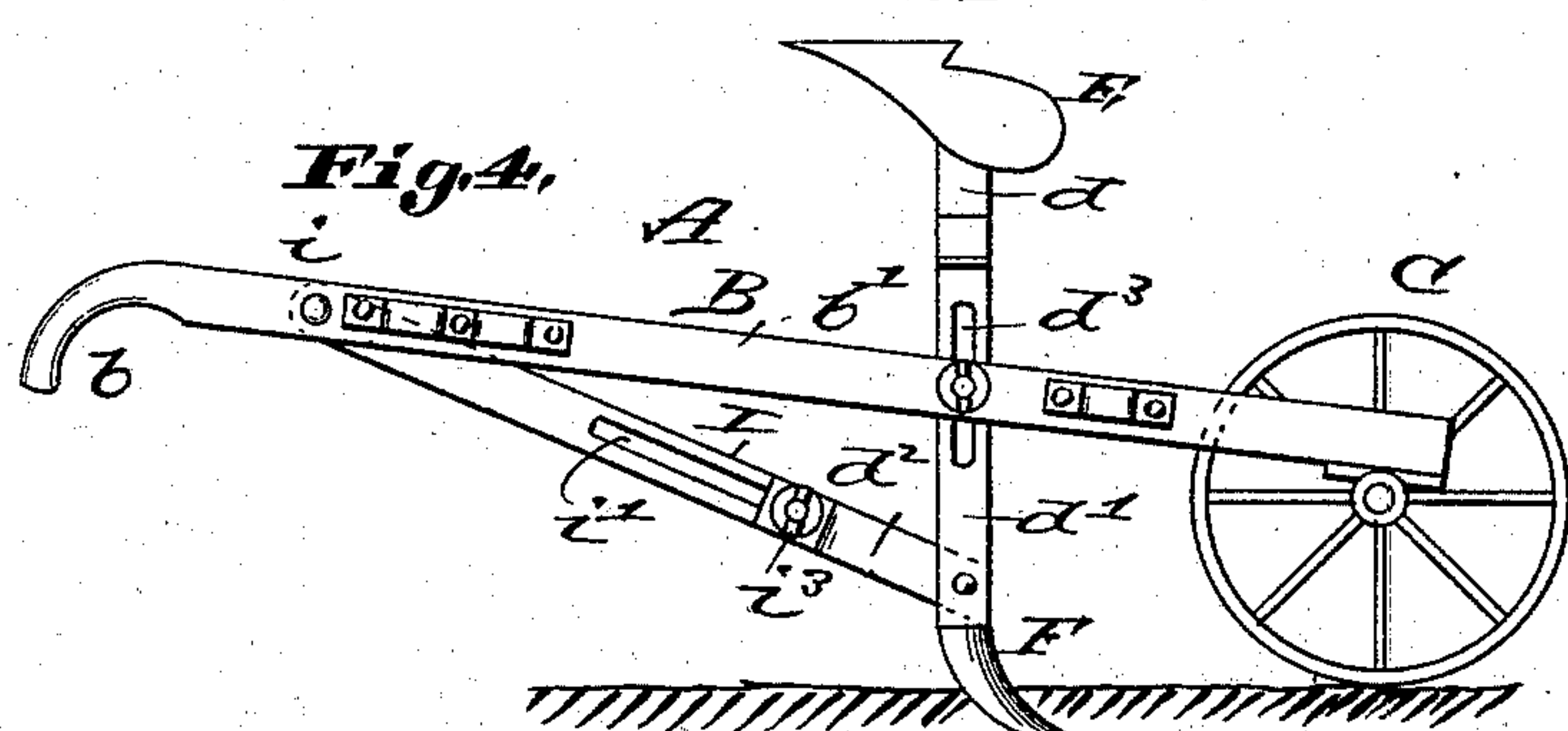
*Fig. 3.*



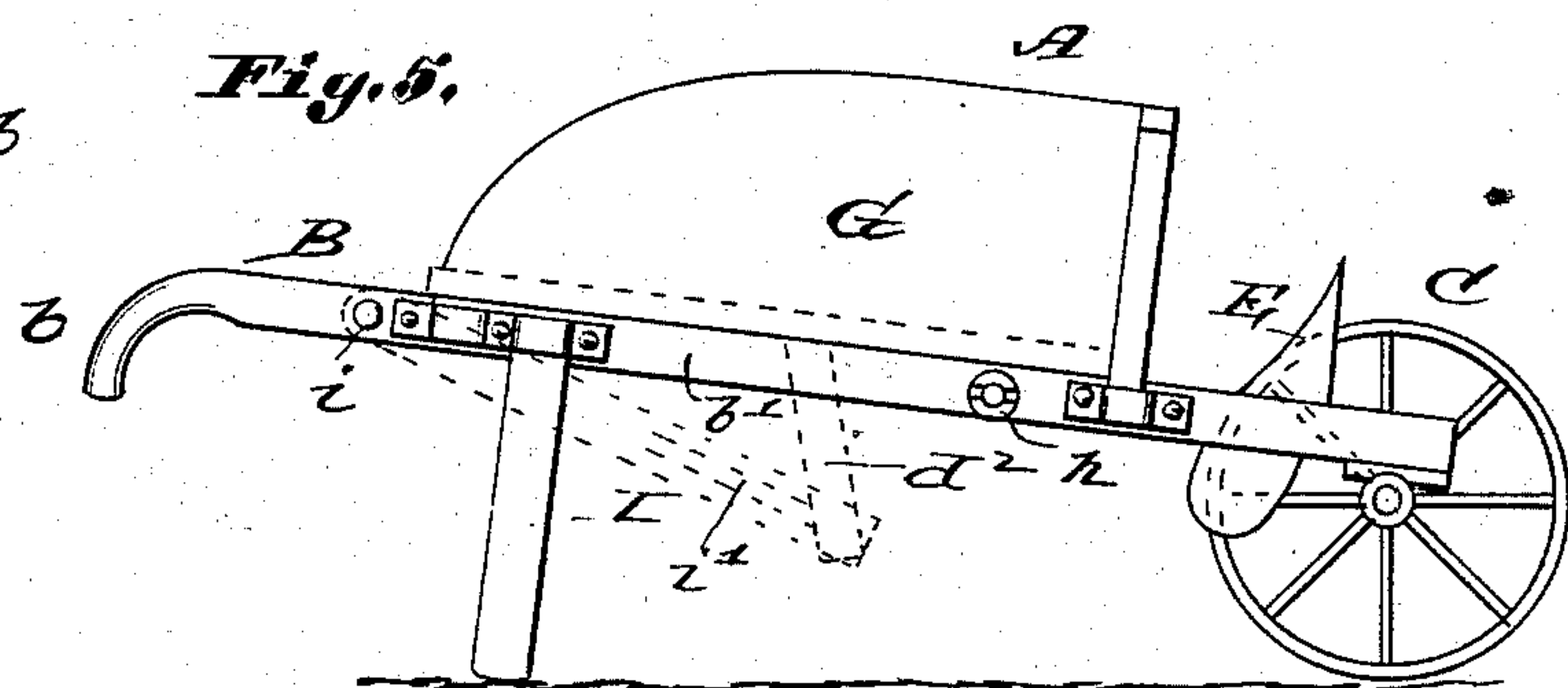
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



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# UNITED STATES PATENT OFFICE.

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## WHEEL-HOE.

SPECIFICATION forming part of Letters Patent No. 282,202, dated July 31, 1883.

Application filed February 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID C. LEE, of St. Louis, Missouri, have made a new and useful Improvement in Wheel-Hoes, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a front end elevation of the improved implement; Fig. 2, a side elevation, the parts being adjusted as when the plow is being used; Fig. 3, a plan, as when the parts are arranged as in Fig. 2; Fig. 4, a side elevation, the parts being adjusted as when the shovels are being used; Fig. 5, a side elevation, showing the adjustment of the parts as when the implement is used as a wheelbarrow; and Fig. 6, a plan, the parts being as when the shovels and plow are folded in the plane of the side bars.

The same letters of reference denote the same parts.

The present invention is designed more especially for gardening, the implement being mainly intended for such work as hitherto has been done with the ordinary hand-hoe.

Considered generally, the implement consists of a frame similar to a wheelbarrow-frame, provided in rear of the wheel with a reversible standard which at one end carries one or more shovels, teeth, or scrapers and at the other end a small plow, so that by turning down one end of the standard the ground can be stirred and scraped, and by turning down the other end of the standard the earth can be thrown to the side or sides of the furrow.

A represents the improved implement.

B represents the frame. At one end the frame is provided with a wheel, C, and at the other end it is supplied with handles *b b*, by means of which the operator propels and guides the implement.

D represents the standard, to which the shovels, &c., and plow are attached. It consists of the parts *d d' d'* united to form one rigid part. The plow E is attached to the part *d*, and the shovels F F are attached to the parts *d' d'*, respectively. The standard is pivoted to the frame B, so that it can be turned to bring either the plow or the shovels into

position for use, as shown in Figs. 2, 4, respectively, or it can be folded in the plane of the frame, as shown in Figs. 5, 6, and when thus adjusted the standard, shovels, and plow are out of the way and the implement can be used as a barrow, and if desired a box, G, can be placed upon the frame, substantially as shown in Fig. 5. The pivots H H, upon which the standard turns, pass through the side bars, *b' b'*, of the frame B and the parts *d' d'* of the standard, and by tightening the nuts *h h* the standard can be fastened at any desired position. It is desirable, however, to brace the standard. This can be done by means of the brace I, which is pivoted to the side bars, *b' b'*, at *i i*, and at the other end is jointed to the standard, and as follows: At *i'* the brace is slotted. The parts *d' d'* are furnished with extensions *d<sup>2</sup> d<sup>2</sup>*. These extensions are jointed to the brace I, a bolt, *i<sup>2</sup>*, passing through the extensions and the slot *i'*, and as the standard is turned on its pivots the bolt *i<sup>2</sup>* moves in the slot *i'*. By tightening the nut *i<sup>3</sup>* the brace and standard can be fastened together rigidly. The different positions of the brace are shown in Figs. 2, 4, respectively.

The extensions *d<sup>2</sup> d<sup>2</sup>* may be pivoted to the parts *d' d'*, in which case the extensions and brace can be made to assume the position shown in the dotted line in Fig. 5, and in such position they provide a convenient support for any article—such as a barrel or sack—which it is desired to transport. The side parts, *d' d'*, are slotted at *d<sup>3</sup> d<sup>3</sup>* to enable the standard, after being turned into a vertical position, to be adjusted vertically.

I claim—

1. The combination of the frame B, and the standard D, having the pivoted extensions *d<sup>2</sup> d<sup>2</sup>*, adjustable in the brace I, substantially as described.

2. A wheelbarrow-frame, B, having a reversible standard pivoted thereto, said standard being adapted to support and carry a shovel, hoe, tooth, scraper, or plow, and also being adapted to fold, when desired, into the plane of the barrow-frame.

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Witnesses:

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CHARLES PICKLES.