

(No Model.)

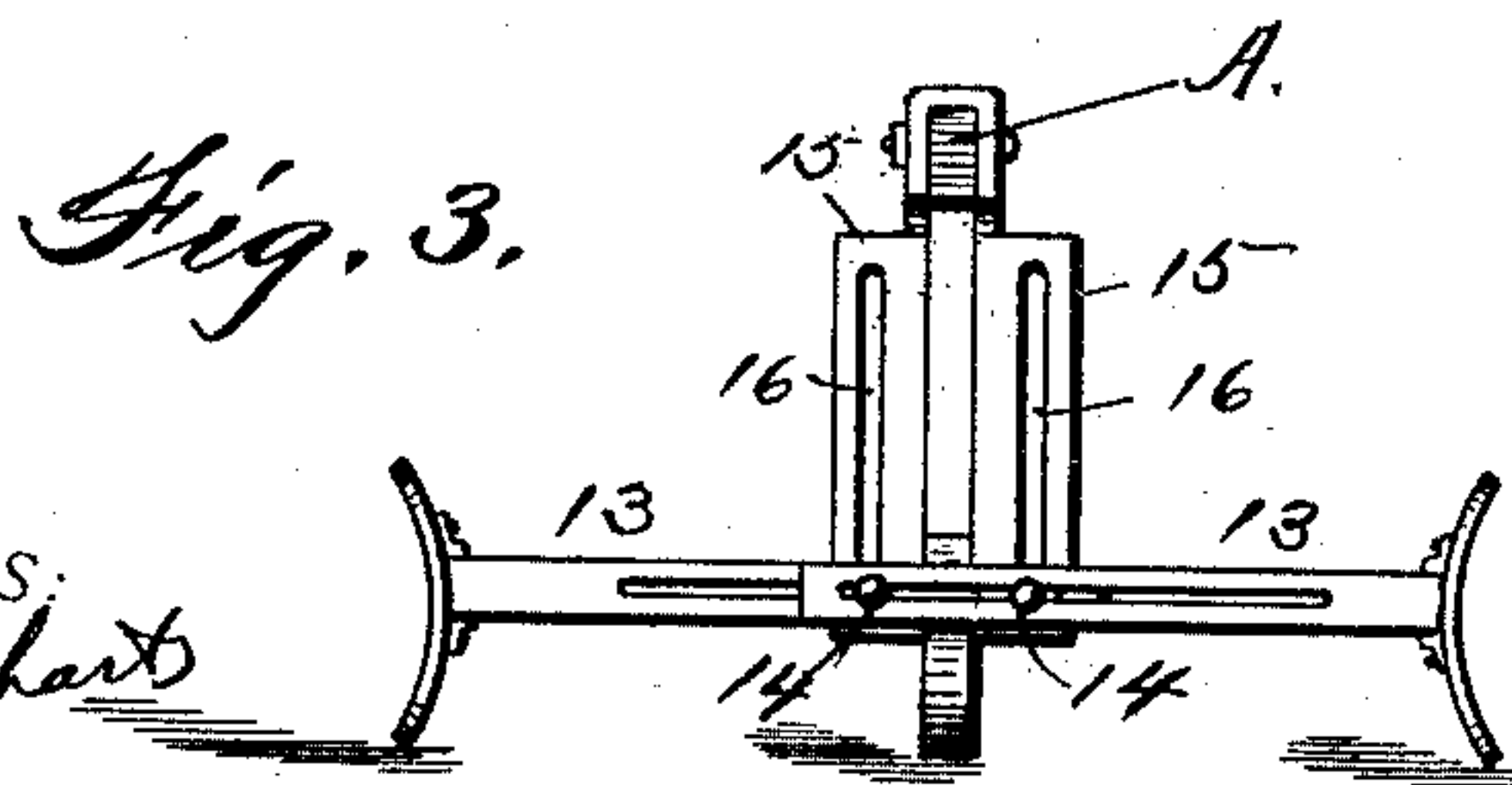
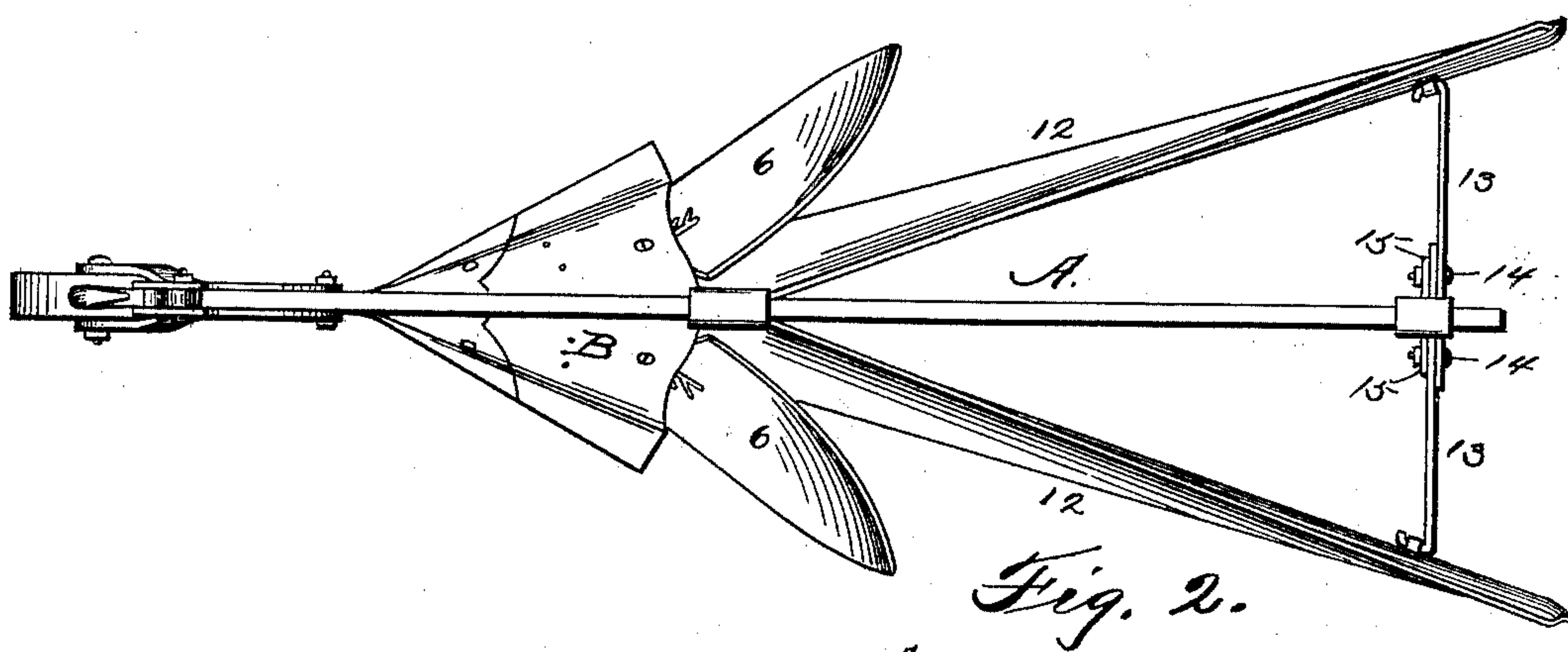
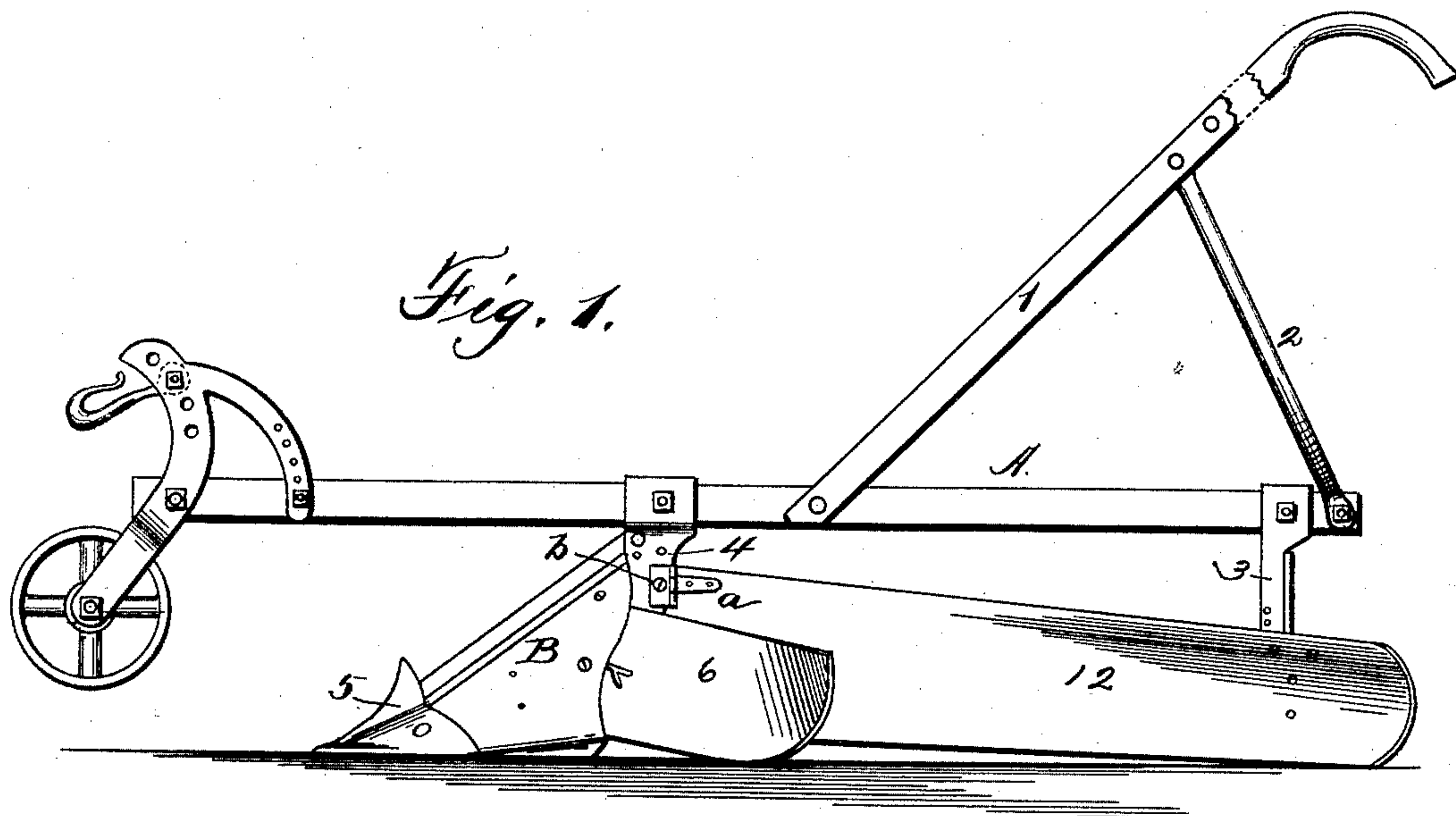
2 Sheets—Sheet 1.

C. E. PARKS.

DOUBLE MOLD BOARD PLOW.

No. 482,380.

Patented Sept. 13, 1892.



WITNESSES:

H. A. Carhart
C. B. Kimm

INVENTOR,

Charles E. Parks

BY

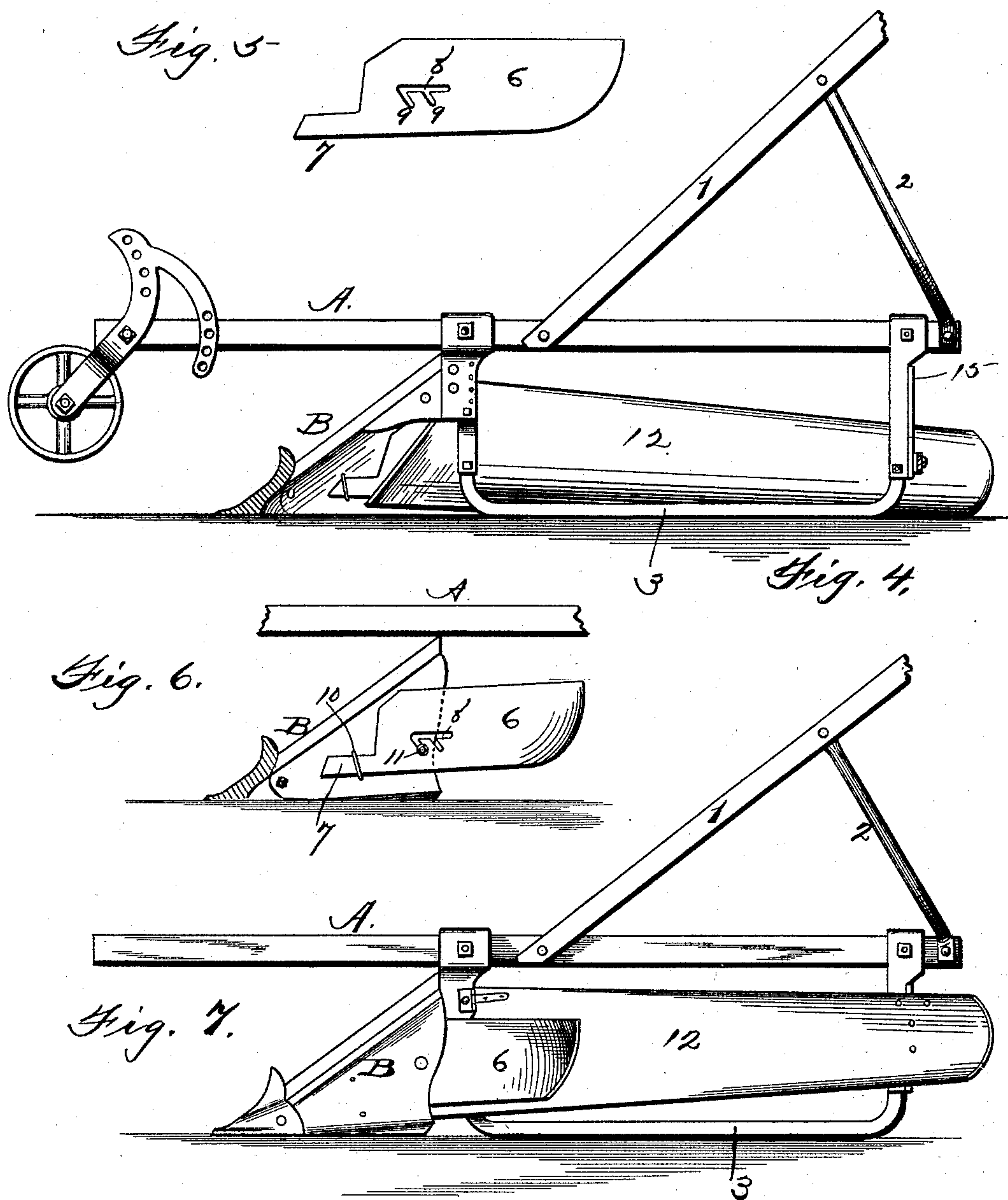
Smith & Benson

ATTORNEYS.

C. E. PARKS.
DOUBLE MOLD BOARD PLOW.

No. 482,380.

Patented Sept. 13, 1892.



WITNESSES:

H. A. Carhart
C. B. Kinnear

INVENTOR,
Charles E. Parks

BY

Smith & Johnson
ATTORNEYS

UNITED STATES PATENT OFFICE.

CHARLES E. PARKS, OF LOCKE, NEW YORK.

DOUBLE-MOLD-BOARD PLOW.

SPECIFICATION forming part of Letters Patent No. 482,380, dated September 13, 1892.

Application filed April 6, 1892. Serial No. 428,027. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. PARKS, of Locke, in the county of Cayuga, in the State of New York, have invented new and useful
5 Improvements in Double-Mold-Board Plows, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to hillers or double-
10 mold-board plows.

My object is to produce a hiller or double or single mold-board plow which may have its mold-boards adapted to be adjustable, so as not only to hill plants which do not require
15 a very large hill, but also adapted to throw a very high hill, as for celery and the like, and also so arranged that it may be readily used for a side-hill plow, one of the sides being adapted to be removed, the arm, point, and
20 mold-boards being mounted upon a central ring.

My invention consists, first, in mounting the point or forward end of the plow and beam upon the central ring, whereby the plow may
25 be readily run very deep or very shallow, as desired, and, second, in providing means for raising and removing the mold-boards at will, and in the several other novel features of construction and operation, which are hereinafter described, and specifically set forth in the claims
30 hereunto annexed.

It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a side view of the hiller complete. Fig. 2 is a top plan view thereof with the handles removed. Fig. 3 is a rear view of Fig. 2. Fig. 4 is a side view through the center of the machine with one set of mold-boards removed. Fig. 5 is a view of one of the
40 forward mold-boards detached. Fig. 6 is a vertical section of the forward end of the plow, one of the sides being removed and showing an inner view of the attachment of the forward mold-board to the plow-head.
45 Fig. 7 is a side view of the plow or hiller complete, showing the mold-boards raised for the purpose of throwing a high hill about the plant.

Similar letters and figures of reference indicate corresponding parts.

A is the beam, constructed in the ordinary way, provided with handles 1, suitably braced

at 2, and 3 is a runner connected at the lower end of the vertical posts 4, as shown. I do not, however, limit myself to this construc- 55 tion, as it will be very evident that the runner and posts may all be constructed in one piece and secured to the beam; but by constructing it as shown it is possible to raise or lower the runner very readily, so as to adapt 60 the hiller to different kinds of work.

To the forward post 4 I secure the head of the plow B. Upon its extreme end I secure the point 5, either double or single, as desired, in the ordinary way. 65

6 is a wing constructed substantially as shown, having slotted arms 9, as shown, for the purposes hereinafter set forth.

10 is the strap or loop upon the inner face of the head, adapted to receive the arm 7 of the wing 6, and 11 is a bolt adapted to pass through the slotways in the wing 6 and secure it to the head B, the slotways being constructed in the arm shown for the purpose of allowing the wing to be raised or lowered at 75 any angle or position desired for the purpose of raising or lowering the wing, in order to correspondingly raise or lower the hill.

12 is a mold-board hinged at its forward upper edge, preferably to the forward post 80 of the runner, and 13 are arms slotted substantially centrally, secured at their outer ends to the inner face of the mold-board and adapted to travel laterally upon the bolts 14 for the purpose of adjusting the lateral travel 85 of the mold-boards for the purpose of adjusting itself to travel the space between a wide or narrow row.

15 are plates secured to the rear knee or post of the runner and provided with central 90 slotways 16, in which the bolts or thumb-screws 14 are adapted to travel for the purpose of adjusting the height of the mold-boards 12. It will readily be observed that by loosening the nuts upon the bolts 14 the 95 mold-boards 12 may be contracted or expanded at will, and the hinge *a* at their forward ends being secured loosely to the forward knee *b* the mold-boards may be readily raised or lowered to adapt themselves to the 100 various work in hand, as above set forth.

What I claim is—

1. In a hiller, the combination, with the runners and beam mounted thereon, of the plow-

head and the point secured thereto, wings
loosely secured to the plow-head, and mold-
boards secured to the runner and adapted to
have their rear ends adjusted vertically and
5 laterally, as set forth.

2. In a hiller, the combination, with the run-
ners and the beam mounted thereon, of the
plow-head, the point secured thereto, forward
wings secured adjustably to the plow-head,
10 and rear wings secured loosely to the forward

knee of the runner and adapted to be adjusted
at their rear ends laterally and vertically, as
set forth.

In witness whereof I have hereunto set my
hand this 24th day of March, 1892.

CHAS. E. PARKS.

In presence of—

HOWARD P. DENISON,
C. W. SMITH.