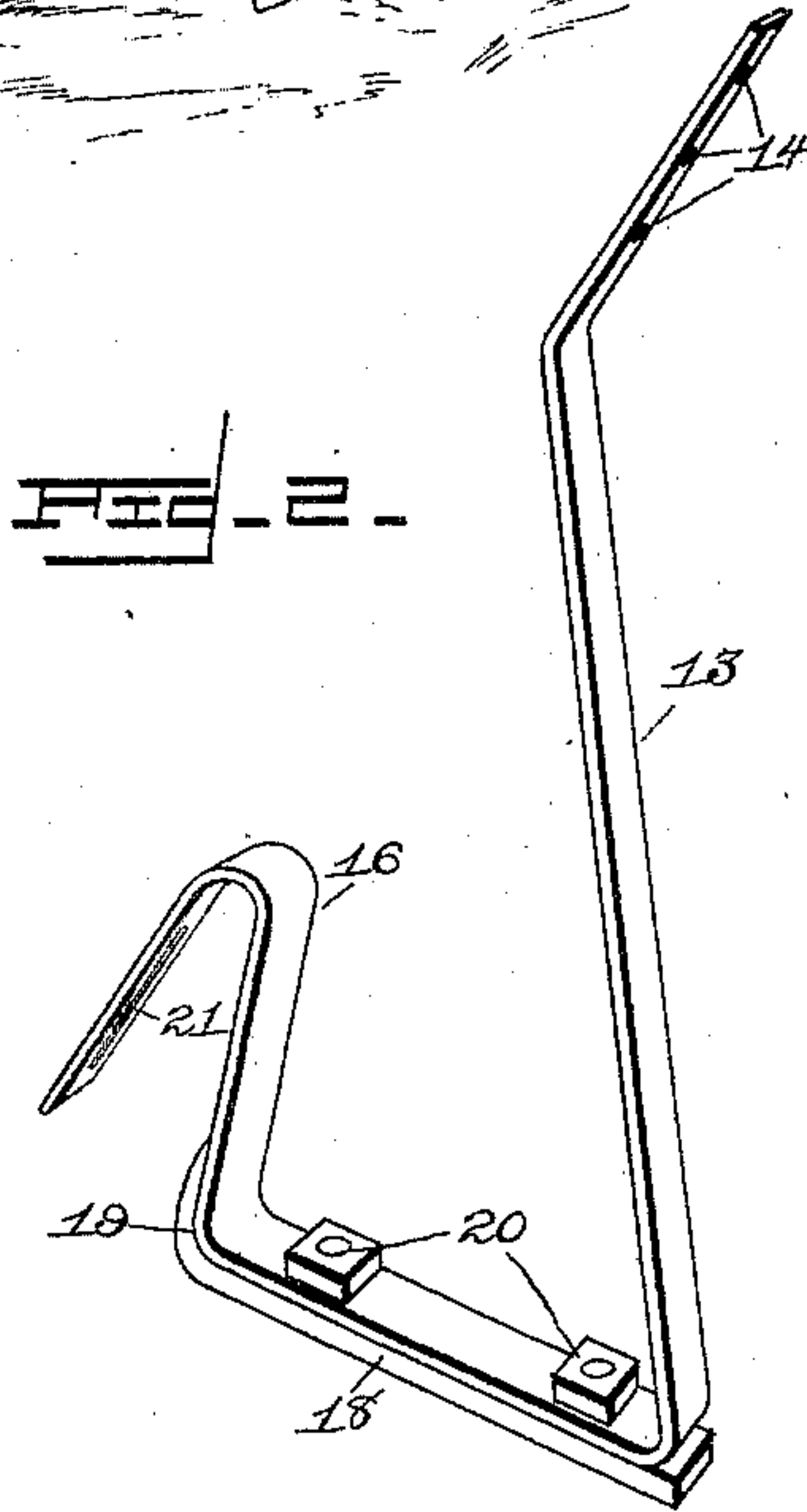
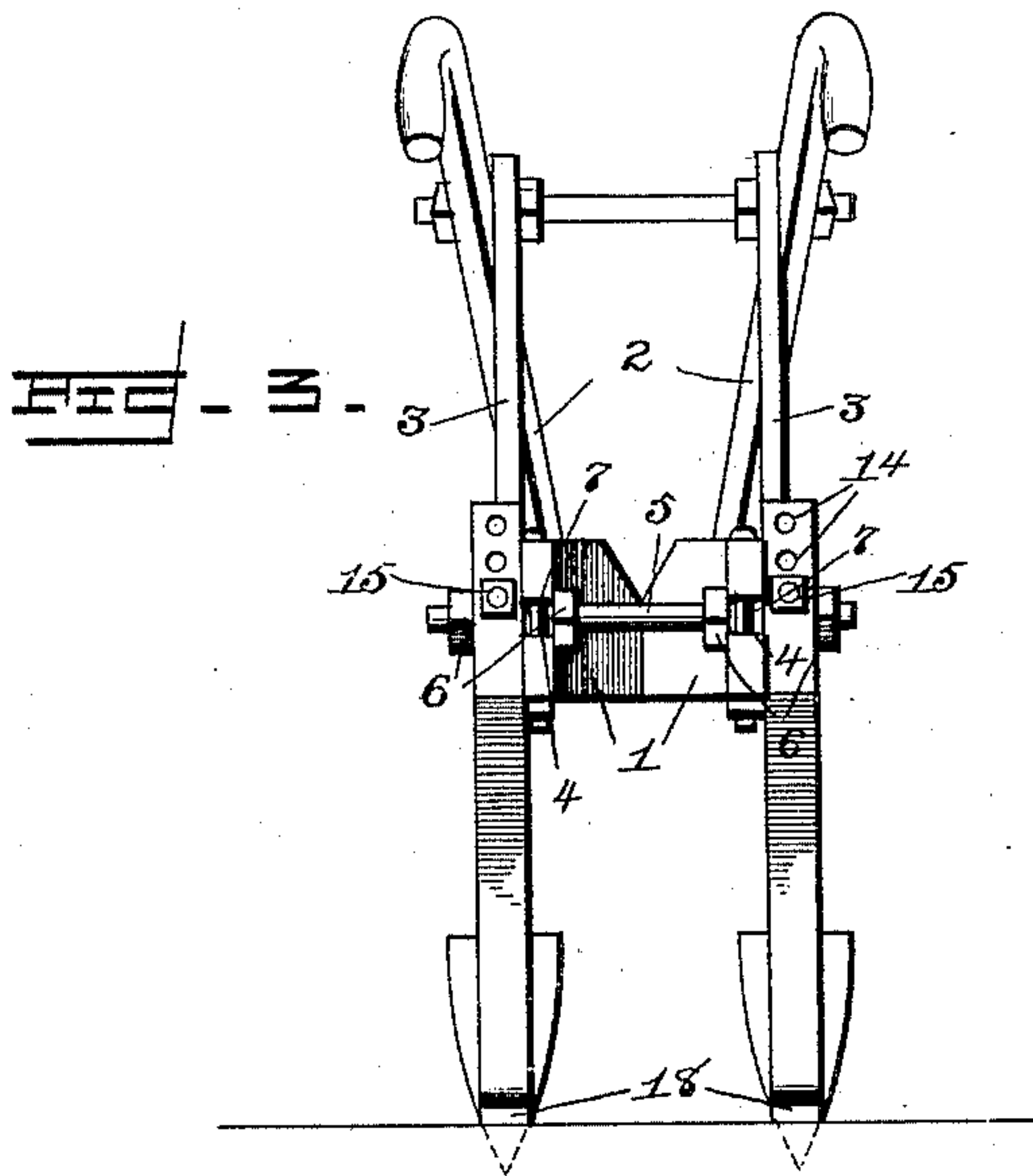
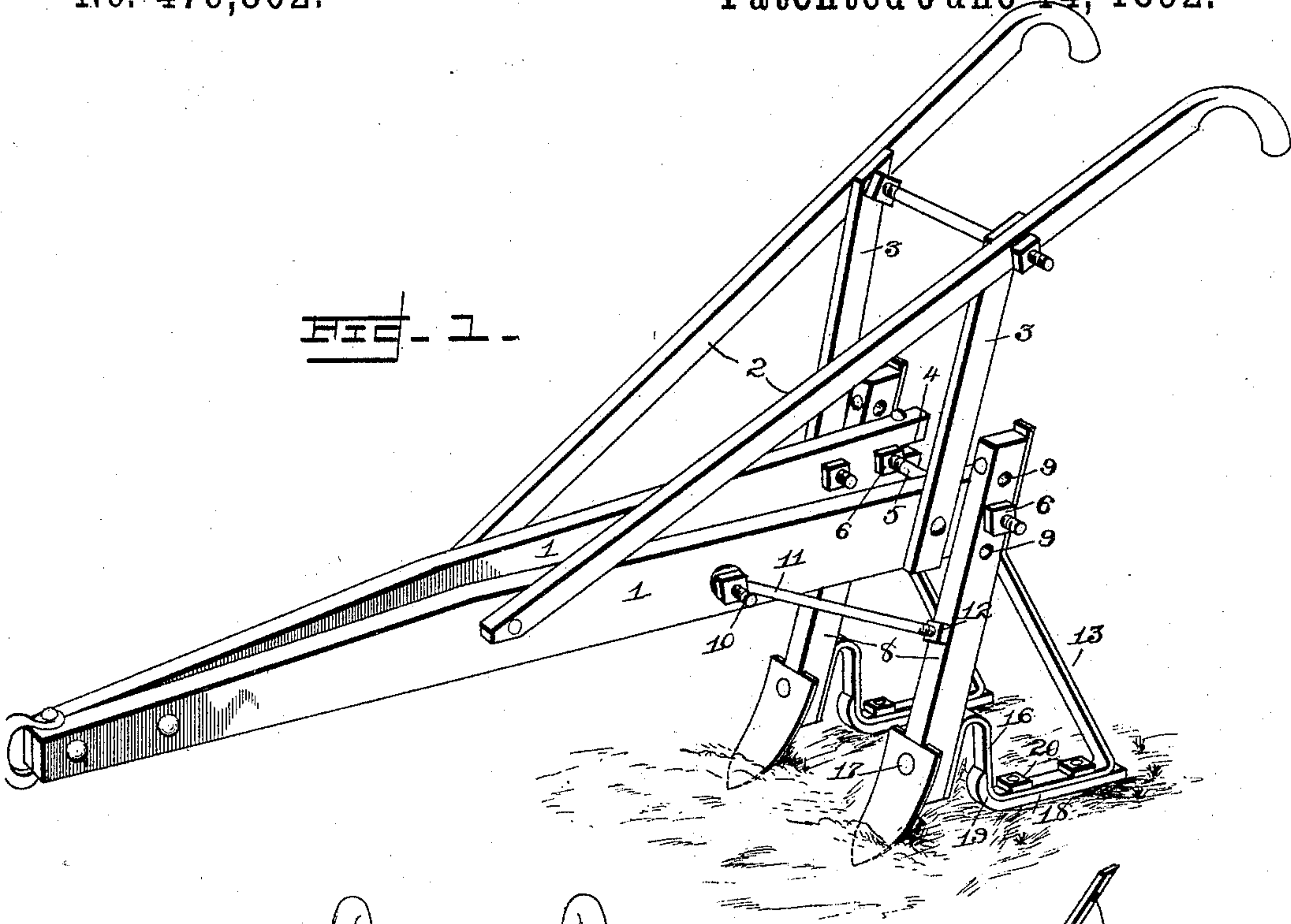


(No Model.)

W. R. LEE.
PLOW.

No. 476,802.

Patented June 14, 1892.



Witnesses:

E. S. Duvall Jr.
W. J. Duvall.

By his Attorneys,

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Inventor
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UNITED STATES PATENT OFFICE.

WILLIAM R. LEE, OF NELSONVILLE, TEXAS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 476,802, dated June 14, 1892.

Application filed August 25, 1891. Serial No. 403,686. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. LEE, a citizen of the United States, residing at Nelsonville, in the county of Austin and State of Texas, have invented a new and useful Plow, of which the following is a specification.

This invention relates to improvements in plows; and the objects in view are, first, to provide a plow adapted to be used in connection with either single or double sweeps and to facilitate the application and removal of either thereof, and, furthermore, to provide means for steadying the plow during operation.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a plow constructed in accordance with my invention. Fig. 2 is a detail in enlarged perspective of the shoe and its supporting-standard. Fig. 3 is a rear elevation.

Like numerals of reference indicate like parts in all the figures of the drawings.

In the drawings, 1 designates the plow-beams, which are connected at their front ends by suitable bolts and diverge toward their rear ends. Handles 2 are bolted to the sides of the beams, extend up and in rear of the same, and are supported by suitable braces 3, bolted to the handles and beams.

The rear ends of the beams 1 are provided with transverse open recesses 4, and in the same is mounted a transverse rod 5, the same being provided at opposite sides of the two beams with clamping-nuts 6. In rear of the rod 5 bolts 7 are passed transversely or vertically through the beams and through the slots 4, so that said rod is confined at the inner ends of the slots, and by removing the bolts 7 said rods may also be removed or withdrawn rearwardly from the slots. Upon the rod 5 are mounted the plow-standards 8, the same being located at opposite sides of one of the beams 1 and clamped in position by the nuts 6. Each standard is provided with a series of perforations 9 near its upper end, through any one of which the rod 5 may be passed.

Where a single shovel is employed the rod 5 is necessarily shorter than where two shov-

els are used, and hence I provide the improved means hereinbefore described for facilitating the application and removal of the rod 5 from the beams 1, and by this improvement I avoid the necessity of removing and reapplying the nuts at the inner and outer sides of the beams 1 upon the rod. By adjusting the standards upon the rod 5 they may be made different lengths, and hence adapted to plow upon inclines. Upon a bolt 10, passed through the beams 1 near the middle of the same, is loosely hung an eyebolt 11, the rear end of which is threaded and passed through the standard 8 and provided with nuts 12, adapted to clamp at opposite sides of the standard.

13 designates a triangular brace or standard formed of bar-iron and at its upper end perforated, as at 14, and bolted adjustably, as at 15, to the rear edge of the standard 8. The lower branch or brace of the triangle extends inwardly toward the foot of the standard 8 and is then curved upwardly, as at 16, and at its extremity bolted, as at 17, to the foot of the standard by means of the heel-bolt.

18 designates a steel runner, the front end of which is upwardly curved or bent, as at 19. The runner is applied to the under side or base of the triangular standard or brace 13, and is secured in position by bolts 20, passing through the runner and brace, the front bent end of said runner being seated in the curved portion 16 of the brace, as shown. By means of this runner attachment the sweeps or shovels are steadied during operation and their depth of penetration regulated by a proper manipulation of the bolts 14 and 17, which latter passes through a slot 21, formed in the brace, and hence permits of an adjustment of the lower end of the latter.

By reason of the bending at the lower front end of the triangular brace a spring-like connection is formed between the said front end and the plow-standard, and hence the strain of the connecting-bolt between the standard and brace, and, in fact, of the brace itself, is greatly relieved.

Having described my invention, what I claim is—

1. The diverging plow-beams having their rear ends provided with open recesses or notches, combined with the rod passed there-through and having nuts at opposite sides of

the beams, the standard supported upon the rod, the inclined brace 11 for the standard, and the bolts 14, passing vertically through the recesses in rear of the rods, substantially
5 as specified.

2. The combination, with the beam and standard, of the triangular brace 13, having a series of adjusting-holes at its upper end and at its lower front end curved upwardly,
10 forwardly, and downwardly and at its extremity slotted, the adjusting-bolts 14 and 17, passed through the adjusting-holes and slot,

the steel shoe 18, and the bolts 20, passing through the same and the base of the brace, the shoe at its front end upwardly bent, as at 15 19, into the curved portion of the brace, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM R. LEE.

Witnesses:

RUFFUS T. LEE,

HENRY MATTHEWS.