

(No Model.)

M. M. McKINNON.
PLOW.

No. 594,549.

Patented Nov. 30, 1897.

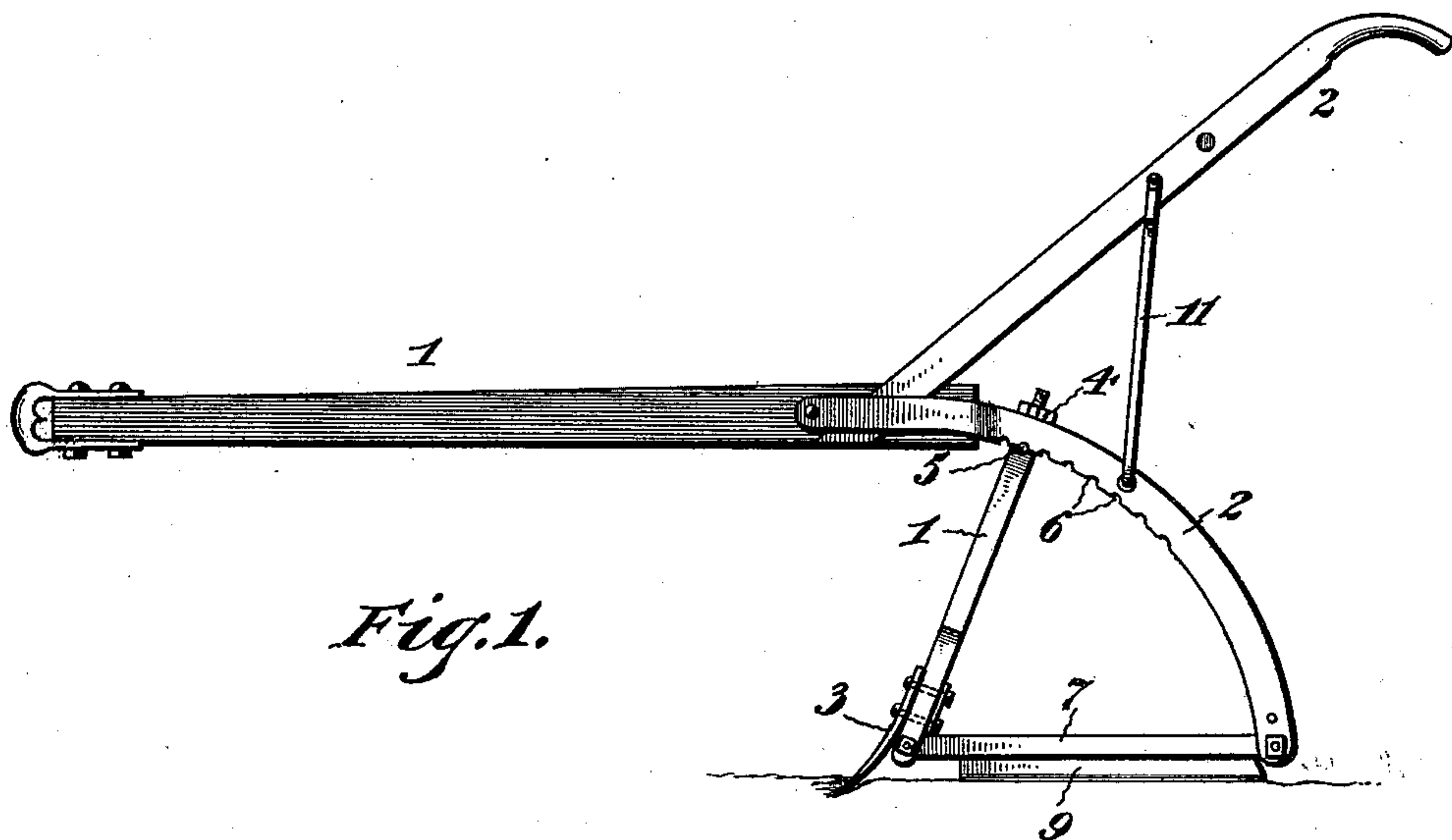


Fig. 1.

Fig. 3.

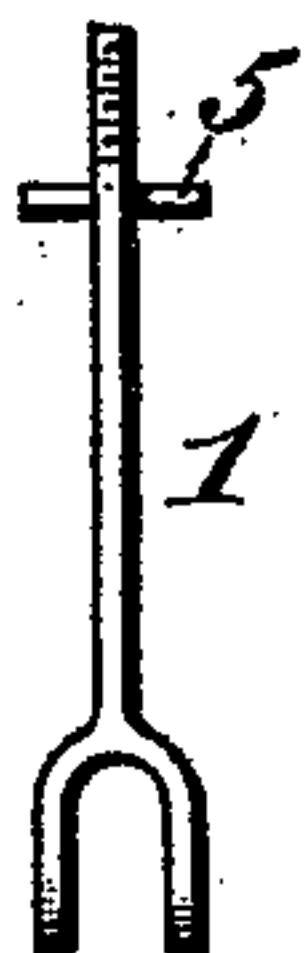


Fig. 2.

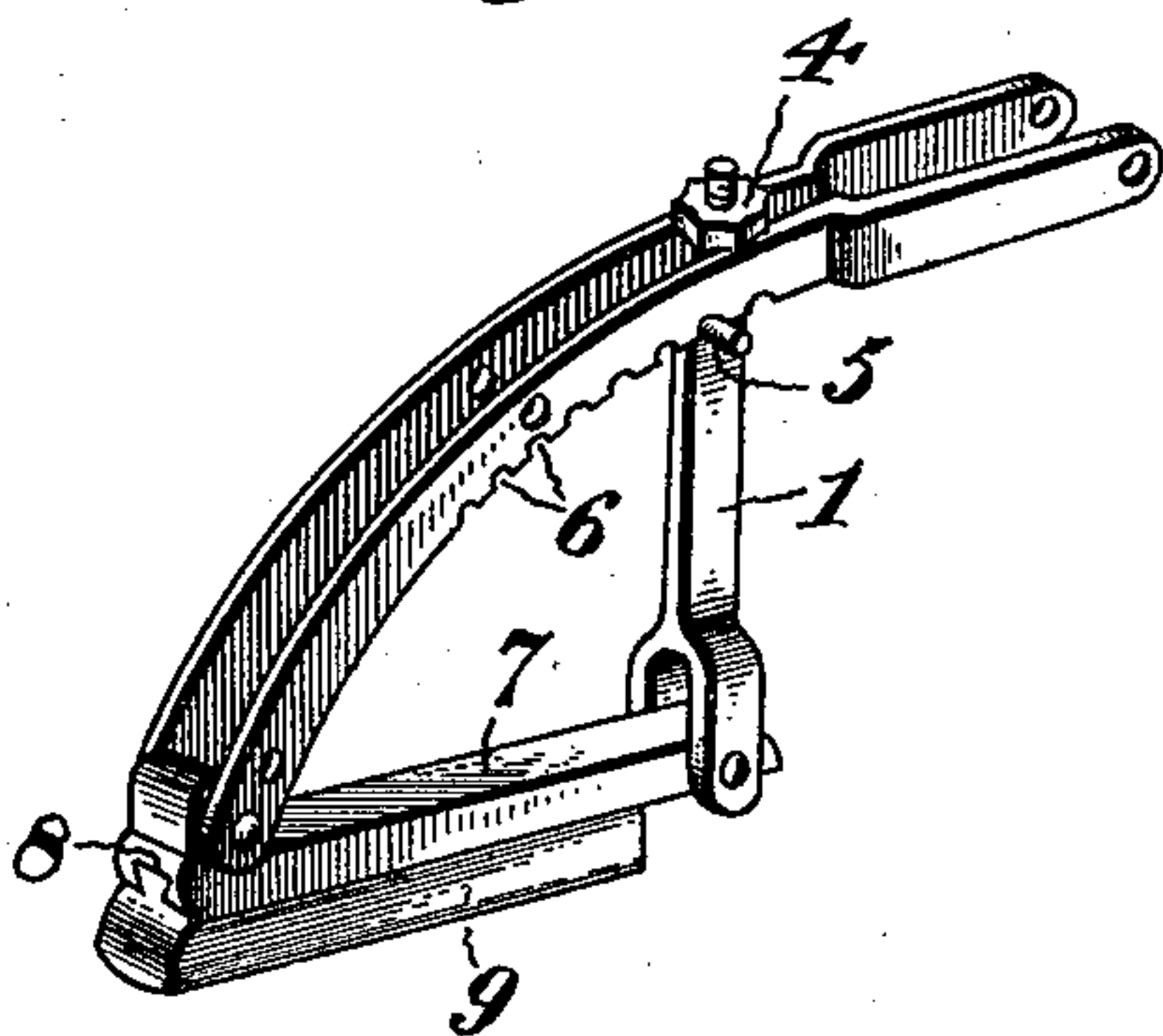


Fig. 4.

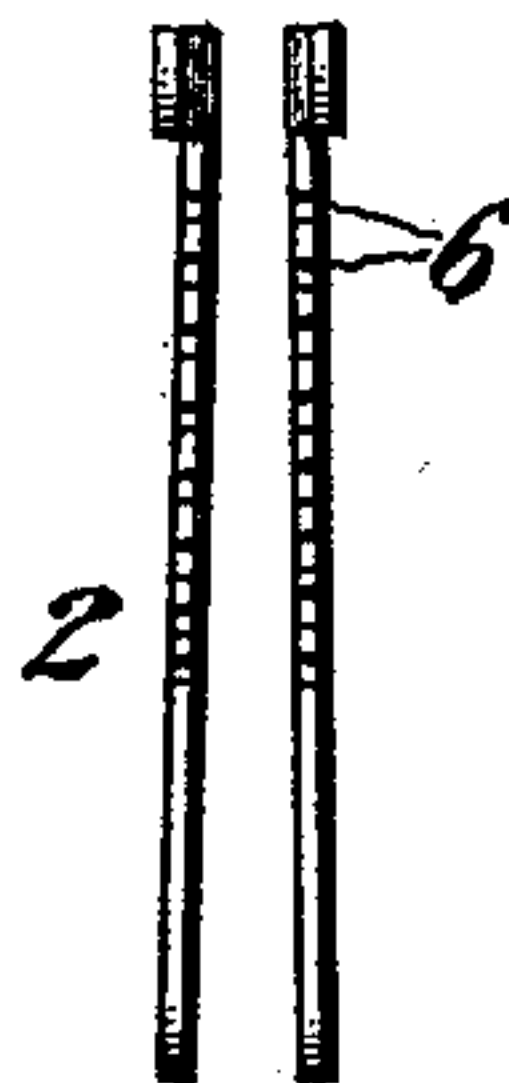


Fig. 5.

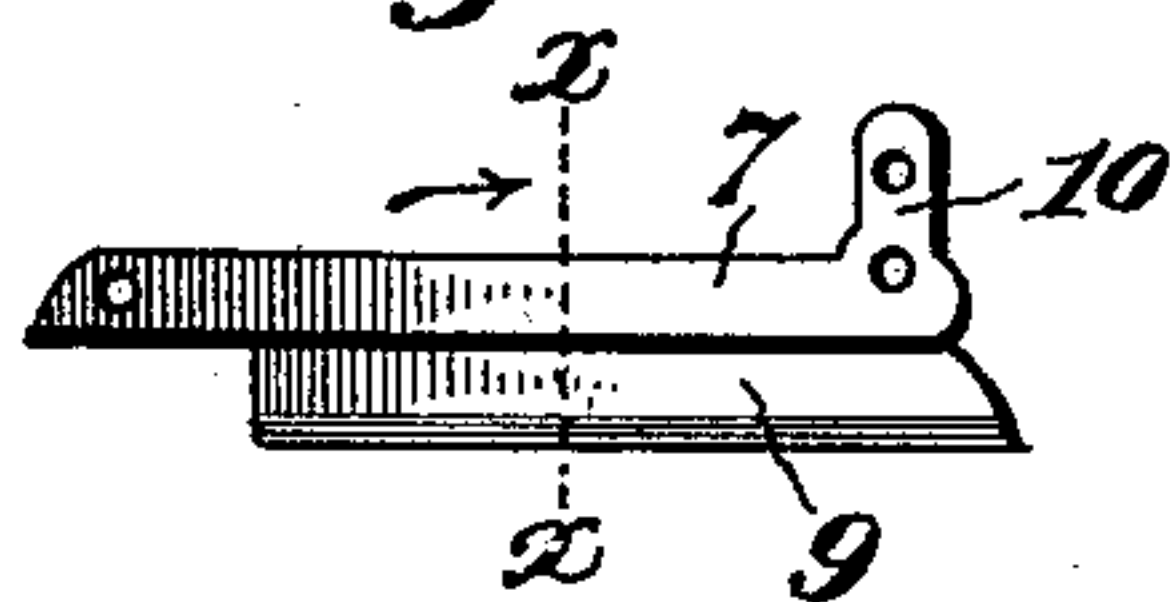
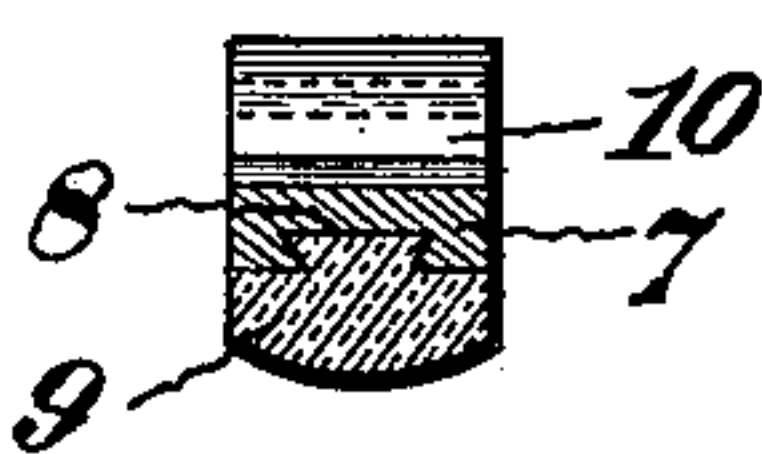


Fig. 6.



Inventor

Murdoch M. McKinnon

Witnesses

Harold H. Simms. By *his* Attorneys,
U. B. Hillyard.

Cash & Co.

UNITED STATES PATENT OFFICE.

MURDOCK MILTON McKINNON, OF LAURINBURG, NORTH CAROLINA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 594,549, dated November 30, 1897.

Application filed May 5, 1897. Serial No. 635,255. (No model.)

To all whom it may concern:

Be it known that I, MURDOCK MILTON McKINNON, a citizen of the United States, residing at Laurinburg, in the county of Richmond and State of North Carolina, have invented a new and useful Plow, of which the following is a specification.

This invention relates to plows and kindred implements for breaking and tilling the soil, and aims to provide simple and effective means for securing an adjustment of the shovel or plow-point, whereby the latter is caused to run at any inclination, according to the nature of the work to be performed and the condition of the soil to be operated upon.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a side elevation of a plow, showing the relative disposition of the parts embodying the improvement. Fig. 2 is a perspective view of the plow-stock, comprising front and rear standards and the bar connecting their lower ends. Fig. 3 is a front view of the adjustable standard. Fig. 4 is a front view of the rear standard. Fig. 5 is a side elevation of the bar. Fig. 6 is a cross-section on the line X X of Fig. 5.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawings by the same reference-characters.

The beam 1 and handles 2 are preferably of wood and connected in the ordinary manner. The plow-stock comprises a front standard 1 and a rear standard 2, the latter being curved and comprising similar parts which are secured at their upper ends to the sides of the beam 1 in any substantial manner. The front standard 1 is forked at its lower end to receive the bolt employed for connecting the shovel or point 3 thereto, and its upper end is reduced and threaded and receives a binding-nut 4. A pin 5 passes laterally

through the upper portion of the standard 1 and forms end extensions which engage with the front edges of the parts comprising the rear standard 2, said edges having a series of notches 6 to receive the terminals of the pin 5, whereby the standard 1 is held in an adjusted position.

The bar 7 has pivotal connection at its front end with the lower end of the standard 1 and a like connection at its rear end with the standard 2, and is formed in its lower face with a dovetailed groove 8 to receive a corresponding projection on the top side of a shoe 9, which is removably fitted to the bar. The rear end of the bar 7 has a vertical extension 10, provided with a series of openings to receive the fastening, by means of which the parts 2 and 7 are connected together, whereby provision is had for vertical adjustment of the heel end of the bar 7. The shoe 9 is preferably of glass, which is non-corrodible and glides easily over the ground, and is best adapted to resist wear. Braces 11 are interposed between the handles and rear standard 2 and brace the latter.

For varying the pitch of the shovel or plow-point it is only necessary to loosen the binding-screw 4 a sufficient distance to admit of the terminals of the pin 5 being disengaged from the notches 6, after which the upper portion of the standard 1 can be moved forward or backward to the desired position and is fastened by retightening the nut 4.

Having thus described the invention, what is claimed as new is—

1. In a plow-stock, the combination of a rear standard curved in its length and having notches along one edge, a front standard having a lateral extension to engage with one of the series of notches in the edge of the curved standard, means for securing the standards in an adjusted position, and a connecting-bar between the lower ends of the front and rear standards, substantially as set forth.

2. In a plow-stock, the combination of a rear standard curved in its length and having separated parts and corresponding notches along the edges of the said parts, a front standard having its upper portion passing between the separated parts of the rear standard and having lateral extensions to enter

corresponding notches thereof, means for securing the standards in an adjusted position, and a bar connecting the lower ends of the standards, substantially as specified.

- 5 3. In a plow-stock, the combination of a curved rear standard comprising separated parts having corresponding notches along one edge, a front standard having lateral extensions to engage with any one of the series of
10 notches and operating in the space formed between the parts of the rear standard, and having its upper end reduced, threaded and provided with a binding-nut, and a bar connecting the lower ends of the standards, sub-
15 stantially as set forth.

4. In a plow-stock, the combination of a curved rear standard, a front standard, a bar having pivotal connection with the lower end of the front standard and pivotal and adjustable connection with the lower end of the rear 20 standard, and means for adjustably connecting the upper end of the front standard with the rear standard, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 25 the presence of two witnesses.

MURDOCK MILTON MCKINNON.

Witnesses:

W. DEB. McEOCHIN,
C. H. COBLE.