

No. 641,996.

Patented Jan. 23, 1900.

J. P. PHILLIPS.
PLOW FOOT.

(Application filed Oct. 21, 1899.)

(No Model.)

Fig. 1.

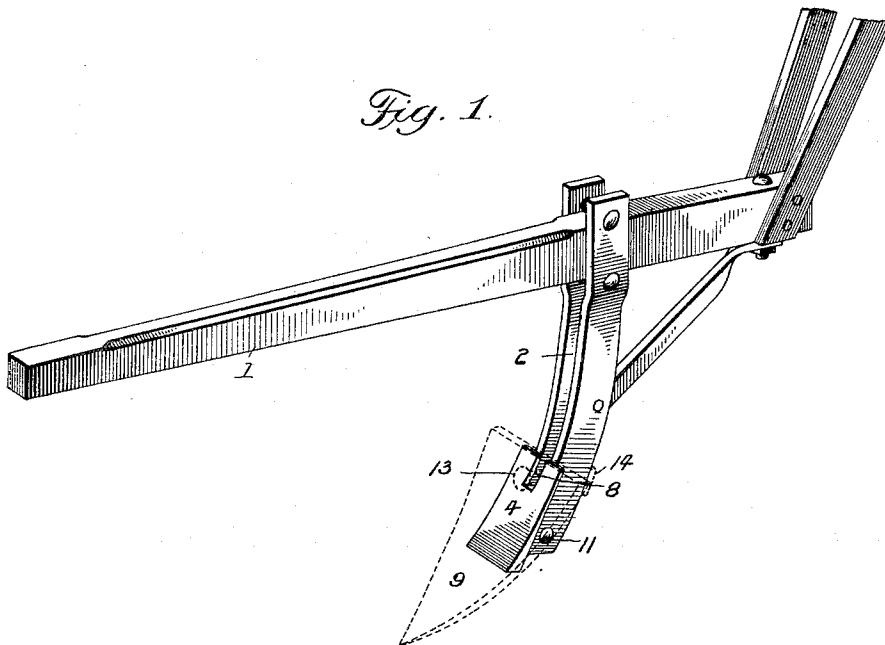


Fig. 2.

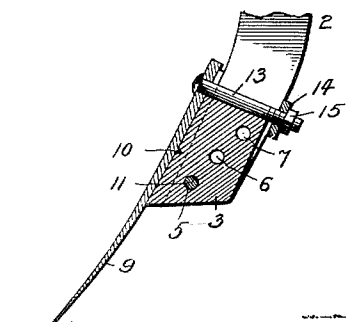


Fig. 3.

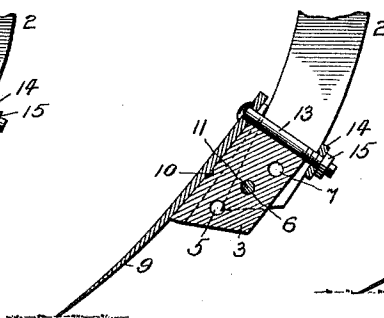


Fig. 4.

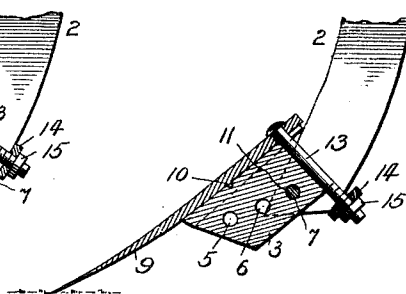
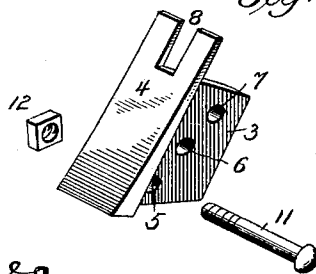


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

JACOB P. PHILLIPS, OF YANTLEY, ALABAMA.

PLOW-FOOT.

SPECIFICATION forming part of Letters Patent No. 641,996, dated January 23, 1900.

Application filed October 21, 1899. Serial No. 734,295. (No model.)

To all whom it may concern:

Be it known that I, JACOB P. PHILLIPS, a citizen of the United States, residing at Yantley, county of Choctaw, State of Alabama, have invented certain new and useful Improvements in Plow-Foot, of which the following is a specification.

My invention relates to feet for plow-standards, and has for its object the provision of an improved and novel foot of simple and inexpensive construction which can be rapidly and easily adjusted to set the shovel or plow at a proper pitch to run shallow or deep, as requirements dictate, without side play or displacement of any kind while at work.

Having the foregoing object in view, the invention consists of a plow-foot of improved construction adapted for connection to the standard in a novel manner, as fully set forth hereinafter and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of a plow equipped with my improved foot; Figs. 2, 3, and 4, detail views, partly in section, of the invention, illustrating the different positions it is capable of assuming; and Fig. 5, a perspective detail view of the foot with its attaching bolt and nut in relative position.

An ordinary plow-beam is shown at 1, and 2 designates a suitably-braced stock or standard composed of separated duplicate halves.

My improved foot comprises a flat solid body 3 and a broad face 4, formed integral therewith. The body is sufficiently thick to fit snugly yet easily in between the two members of the standard and is provided with a plurality of apertures 5, 6, and 7, arranged in a row on an incline considered relatively to the face 4. In practice I have found three apertures suited to all requirements; but it is obvious that the number could be varied as found desirable. The face 4 is of such width that it laps over and bears against the front edges of the members of standard 2, and its upper end extends considerably above the top of the body 3, being there provided with a vertical cut or opening 8. The face is suitably inclined or curved to conform to the plow or shovel 9, which is provided with the usual lug or boss 10 to take into a recess in the face to insure the proper retention of the

plow. A bolt 11 is passed through the members of the standard and any one of the apertures in the body and has a nut 12 to hold it in position. To hold the foot rigid at the proper inclination, I provide a bolt 13, which passes through the upper part of the plow and the opening 8 and then between the members of the standard, resting on the top of the body meanwhile, at the back of which it is secured by a clamp-plate 14, bearing against the back edges of the said standard members, and a nut 15.

When the plow is set at the usual pitch, the bolt 11 is in the lower aperture 5 and the parts appear as in Fig. 2. If it is desired that the plow run more shallow, the bolt 13 is loosened or removed and the bolt 11 taken out and passed through the central aperture 6, and when properly assembled the parts appear as shown in Fig. 3. Similarly when a more shallow furrow is wanted, the bolt 11 is passed through the third or upper aperture 7, and the parts will then set as shown in Fig. 4. In all of these positions the upper bolt 13 holds the split upper part of the face of the body against the front edges of the standard members, and the bolt 11 secures the foot to said members, with the resultant effect that all of the parts are perfectly rigid and capable of standing any ordinary shock. At the same time the bolts can be easily removed and the foot and plow readily adjusted, as found desirable.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a plow-standard, of a plow-foot having a plurality of apertures, a removable fastening passing through one of said apertures and the standard, said foot being pivoted on said fastening and having a portion of itself abutting the standard, and a second removable fastening holding said abutting portion against the standard, whereby the foot is held rigid.

2. The combination with a plow-standard, of a plow-foot having a body fitted into the standard and a face which bears against the standard, said body having a row of apertures, a removable fastening passing through one of the apertures and the standard and serving as a pivot, and a removable fastening clamp-

ing the face of the foot against the standard, whereby the foot is held rigid.

3. The combination with a plow-standard, of a plow-foot having a body fitted into the standard and provided with a broadened face bearing against the outside of the standard, a bolt passing through the body and the standard, and a bolt passing through said face and bearing against the back of the standard and holding the face drawn against the front of the standard.

4. The combination with a plow-standard, of a plow-foot having a body provided with a row of apertures and fitted in the standard, said foot also having a broadened face bearing against the front of the standard and extending above the top of the body and there split or divided, a bolt passing through one of the apertures and through the standard from side to side, and a bolt passing through the split extension of the face of the foot and through the standard to the back thereof and engaging said back of the standard and holding the foot rigid in relation to the standard.

5. The combination with a plow-standard composed of two separated members, of a plow-foot having a body and a broadened face, said body being adapted to fit in between the members of the standard and provided with a row of apertures which is inclined in relation to said face and said face lying against the front of the standard and having a split portion extending above the top of the body, a bolt passing through one of said apertures and the members of the standard, a plow lying against the face, a bolt passed through said plow and the split extension of the face and passed between the members of the standard, a plate on the bolt which abuts the back of the standard, and a nut on the bolt which bears against the plate.

In testimony whereof I have signed my name in presence of two witnesses.

JACOB P. PHILLIPS.

Witnesses:

W. H. PHILLIPS,
WILL PHILLIPS.