

No. 611,027.

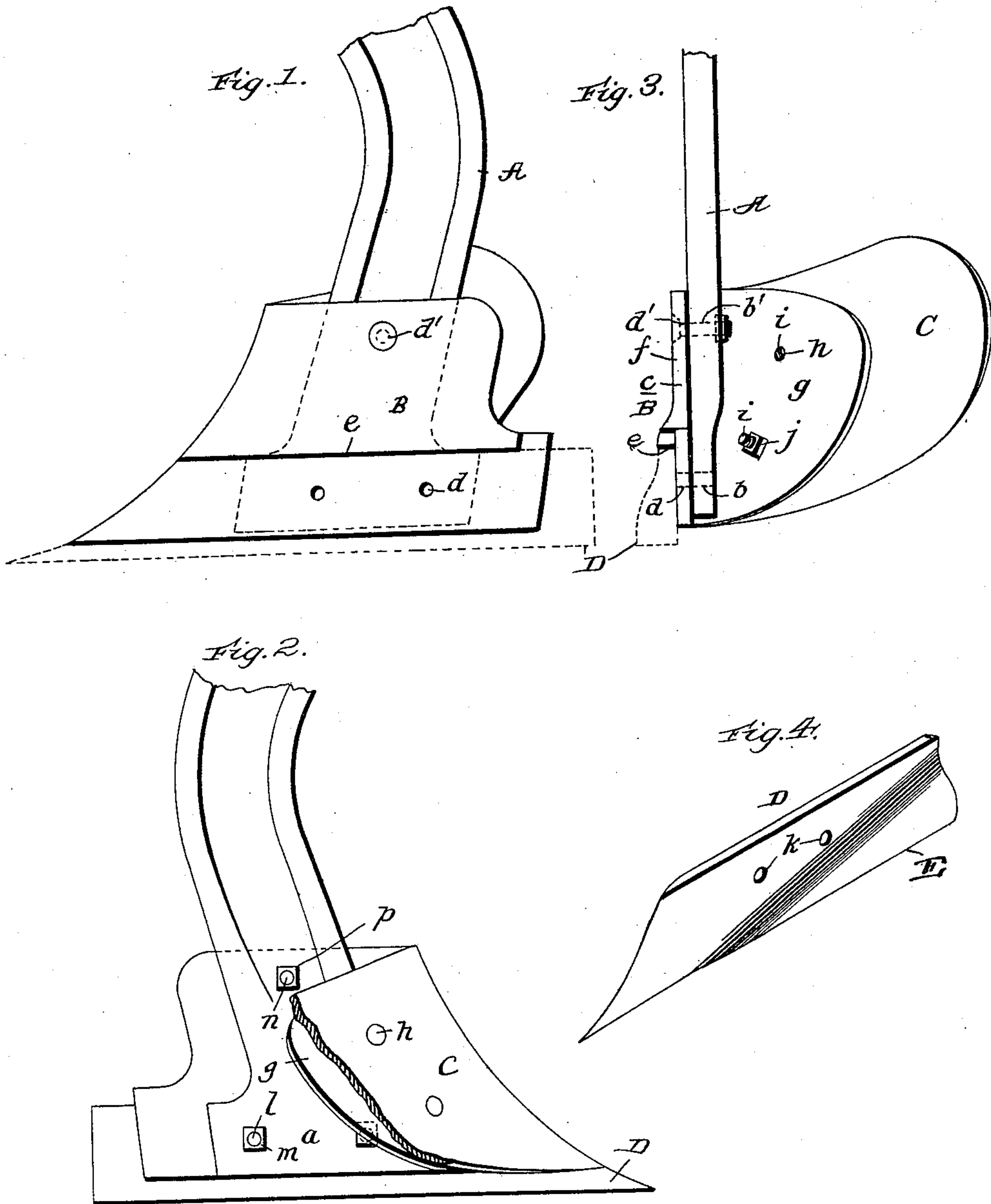
Patented Sept. 20, 1898.

P. BAYER.

FLOW.

(Application filed May 10, 1897.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

PHILIP BAYER, OF KNIGHT'S FERRY, CALIFORNIA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 611,027, dated September 20, 1898.

Application filed May 10, 1897. Serial No. 635,906. (No model.)

To all whom it may concern:

Be it known that I, PHILIP BAYER, a citizen of the United States, residing at Knight's Ferry, in the county of Stanislaus and State of California, have invented certain new and useful Improvements in Plows; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in plows; and it consists in the construction hereinafter described, and particularly pointed out in the claims appended.

In the accompanying drawings, Figure 1 is an elevation of my improved foot with the moldboard and landside-bar in position thereon, said foot being shown as attached to the standard of an iron plow-frame. Fig. 2 is a side elevation illustrating the opposite side of the same. Fig. 3 is a rear elevation of the plow with the landside-bar shown by dotted lines, and Fig. 4 is a detail perspective view of the landside-bar removed.

In the said drawings similar letters designate corresponding parts in all of the several views, referring to which—

A indicates a standard, such as are embodied in the iron frames of gang and other plows, which is provided at its lower end with a T enlargement *a* and has apertures *b b'*, and B indicates my improved foot, which is cast in one piece, of iron or other suitable metal. This foot B, as better shown in Fig. 3, comprises the body *c*, which is provided with the upward extension or landside portion *f*, and apertures *d d'*, designed to register with the apertures *b b'*, respectively, of the standard A, and is also provided in one side with the recess *e*, designed to receive the landside-bar, presently described, and the wing *g*, which joins the body *c*, and the landside portion *f* at the forward end thereof and extends the full height of the foot. This wing *g* is concave in conformity to the detachable moldboard C, which rests upon the same, and it is provided with apertures *h* for the passage of the connecting-bolts *i*, which extend through the moldboard C and through the apertures *h* and are secured by nuts *j* upon their inner ends, as shown. This construction, as will be readily observed, permits of

the moldboard being readily connected to and disconnected from the wing *g*.

D indicates the detachable landside-bar. This landside-bar is designed to rest in the recess *e* of the foot B, and it is provided with apertures *k*, which register with the apertures *d* of the foot B and the apertures *b* of the standard A and are designed to receive the bolts *l*, as shown. The said bolts *l* extend through and connect the landside-bar to the foot and the foot to the standard, and they are secured in position by the nuts *m*, which are mounted upon their inner ends, as illustrated. The foot B is also preferably connected with the standard A by the bolt *n*, which extends through the aperture *d'* in the landside portion *f* of the foot and the aperture *b'* of the standard, and is provided at its inner end with a nut *p*, as illustrated. From this it will be observed that the landside-bar may be removed and replaced quite as easily as the moldboard, and it will also be observed that the foot B, with its appurtenances, may be as easily connected to and disconnected from the standard.

The landside-bar D is provided on its outer side with the longitudinal protuberance E, which is somewhat rounded or convex, as shown. This protuberance E is of a less length than the bar D and has its rear end and lower edge arranged flush with the rear and lower edge of said bar, and it is tapered or gradually reduced in width from its rear end to its forward end, which is pointed, as shown, and arranged at the lower edge of the landside-bar. The said protuberance E serves to materially strengthen the bar D and also to hold it down in the earth and to its work, and by reason of its form, as above described, it does not in any way increase the draft.

It will be observed from the foregoing that my improved foot, with its appurtenances, is adapted to be readily connected to the standards of old as well as new plows. It will also be observed that the connection of the landside-bar to the foot and the connection of the foot to the standard is effected by the same bolts and in one operation, which is highly advantageous.

Having described my invention, what I claim is—

1. In a plow, the combination of a standard

having transverse apertures, the cast metal foot having the body provided with transverse apertures registering with those of the standard and also provided in its landside with the
5 recess *e*, and the wing extending laterally from the forward end of the body and having bolt-holes, the moldboard, bolts detachably connecting the moldboard and the wing of the foot, a landside-bar arranged in the re-
10 cess *e*, of the foot and having transverse apertures registering with those of the foot and standard and also having the rounded or convex protuberance *E*, on its outer side; said
15 protuberance being tapered or gradually reduced in width from its rear end to its forward pointed end and having such forward end arranged at the lower edge of the landside-bar, and bolts extending through the apertures of the landside-bar, foot and standard

and connecting the same, substantially as 20 specified.

2. In a plow, the combination of a foot having a recess *e*, in its landside, and the landside-bar arranged in the recess *e*, and detachably connected to the foot and having the 25 rounded or convex protuberance *E*, on its outer side; the said protuberance being tapered or gradually reduced in width from its rear end to its forward pointed end and having such forward end arranged at the lower 30 edge of the landside-bar, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

PHILIP BAYER.

Witnesses:

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