

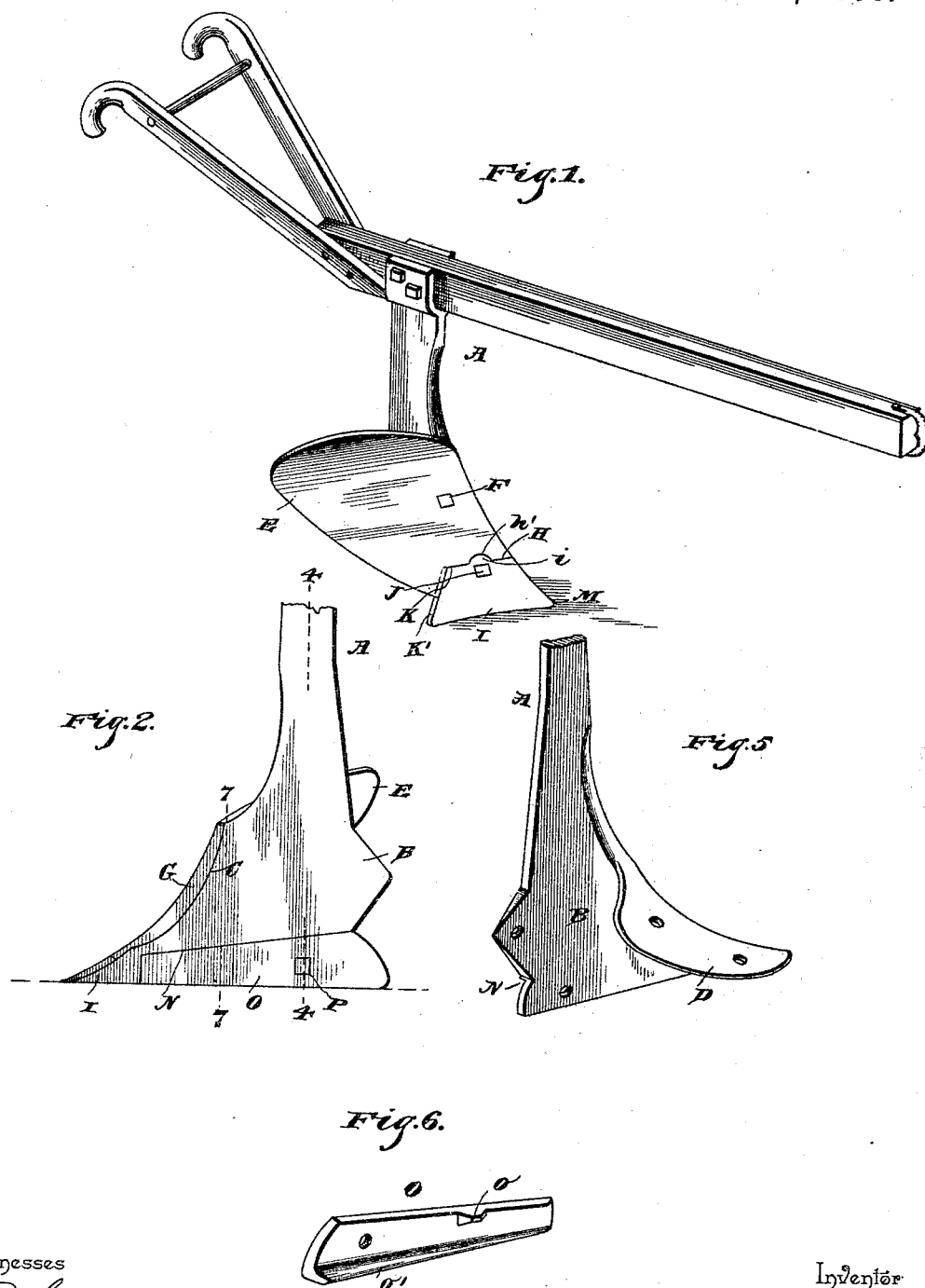
(No Model.)

E. S. COOK.  
PLOW.

2 Sheets—Sheet 1.

No. 491,529.

Patented Feb. 14, 1893.



Witnesses

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*D. P. Hollenpeter*

Inventor

E. S. COOK,

By *his* Attorneys,

*Chas. Snow & Co.*

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Fig. 3.

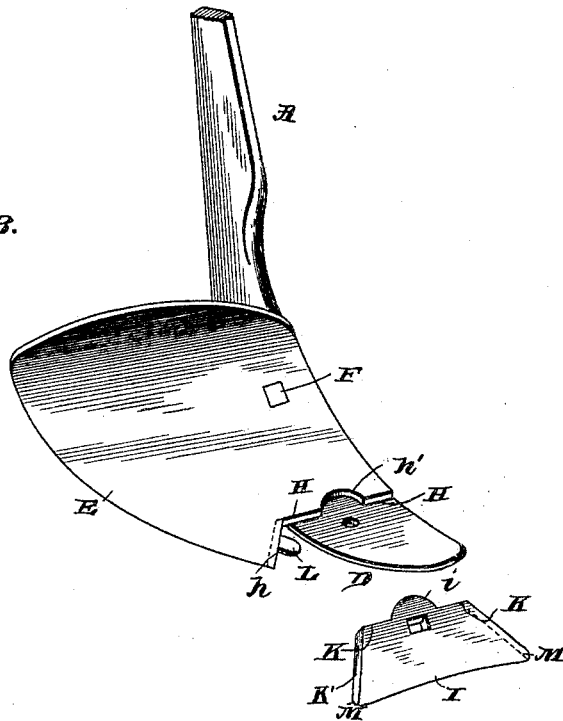


Fig. 4.

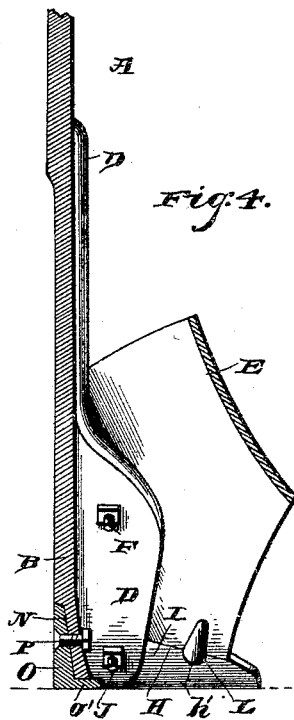
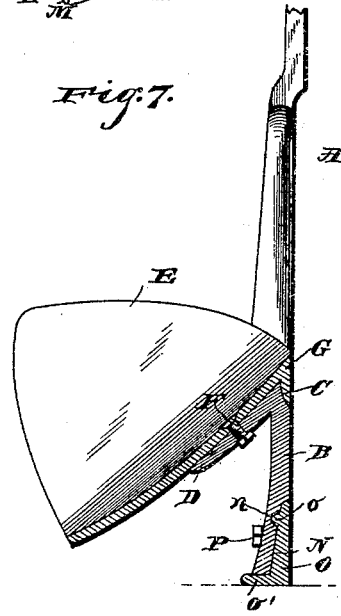


Fig. 7.



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# UNITED STATES PATENT OFFICE.

EDWARD S. COOK, OF DRAKE'S BRANCH, VIRGINIA.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 491,529, dated February 14, 1893.

Application filed October 18, 1892. Serial No. 449,206. (No model.)

### *To all whom it may concern:*

Be it known that I, EDWARD S. COOK, a citizen of the United States, residing at Drake's Branch, in the county of Charlotte and State of Virginia, have invented a new and useful Plow, of which the following is a specification.

This invention relates to plows; and it has for its object to provide certain improvements in ordinary land plows, whereby the several parts comprising the plow are securely and firmly clamped together, while at the same time such parts are capable of independent removal or detachment which allows for ready repairs and changing of parts.

To this end the invention contemplates general improvements upon the class of plows illustrated and described.

With these and many other objects in view which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated and claimed.

In the accompanying drawings;—Figure 1 is a perspective view of a plow constructed in accordance with my invention, from the mold board side thereof. Fig. 2 is a side elevation, from the landside of the plow. Fig. 3 is a perspective view similar to Fig. 1 showing the reversible point or share removed. Fig. 4 is a vertical sectional view on the line 4—4 of Fig. 2. Fig. 5 is a detail in perspective of the standard. Fig. 6 is a similar view of the landside. Fig. 7 is a detail sectional view on the line 7—7 of Fig. 2.

Referring to the accompanying drawings;—A represents the plow standard adapted to be secured at its upper end in any suitable manner to an ordinary plow beam, as will be readily apparent. The said standard A is provided at its lower end with the enlarged integral foot plate B. The enlarged foot plate B of the standard is curved at its front edge to correspond to the curvature of the mold board, and is beveled upon said curved front edge at one side as at C, while projecting laterally and at an incline from the front edge and to the opposite side, is the curved securing flange D, also forming an integral part of the standard and the foot thereof. The mold board E is removably bolted by means of the bolt F, to the curved securing flange D, and is pro-

vided at the inner edge thereof with the curved flange G which flange laps the beveled edge C, and thereby completes a secure, yet removable, connection of the mold board to the foot of the standard. The mold board E is further provided at the front end thereof with the angular notch H, one of the edges or walls of which is beveled as at *h*, while the other wall of the notch is indented by the circular notch *h'*. The said angular notch H at the front end of the mold board is designed to receive the reversible detachable share or point I. The said share or point I rests upon the front end of the curved securing flange D and is removably secured thereto by means of the securing bolt J, in order that the same may be readily reversed when necessary. The said share or point I is provided with the inner angular corners K, which register with the angular notch H at the front end of the mold board when the share or point is in either position. The rear edge of the share or point I is provided with the rounded lug *i*, designed to take into the circular notch *h'*, in the front end of the mold board and thus additionally secure the share in its proper position, while the latter is further provided with beveled side edges K' adapted to register with the beveled edge or wall *h*, of said angular notch, and rest upon the supporting lug or teat L projecting from under said beveled edge. The front edge of the share or point I is beveled as usual to cut the earth, and the same is provided with the opposite similar advance points M to correspond to the usual constructions of plows, and it will be readily seen that by having the share reversible, one end or point of the share will be sharpening while the other is wearing dull as will be quite apparent.

The standard foot B is provided at the extreme lower edge of the same upon the landside face thereof, with the elongated shouldered recess N, in one wall of which is formed a locking notch *n*. The said shouldered recess receives the removable landside O, registering with the same, and having the inner projecting locking lug *o*, adapted to engage said locking notch, and the slide flange *o'* lapping the lower edge of the standard foot and forming the slide for the plow. A bolt P removably secures the landside in position.

From the above it will be readily seen that

the improved construction of plow is provided which possesses many advantages which will readily suggest themselves to those skilled in the art.

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

10 1. In a plow, the combination of the standard having an enlarged integral foot plate curved at its front edge and beveled at one side of said curved front edge at C, and a curved securing flange projecting laterally and at an incline from the opposite side of said front edge, the mold board removably bolted  
15 to said curved flange and having at its inner edge a curved flange G, which registers with and overlaps the beveled edge C, of the foot plate, and an angular notch at its lower front end, a flat reversible share or point fitting  
20 said notch and detachably secured to the front end of the foot plate flange, and a flanged landside removably seated in one side and at the lower edge of the foot plate, substantially as set forth.

25 2. In a plow, the combination of the standard, the mold board removably secured to the lower end of said standard and provided with an angular notch at the front end thereof, one of the edges or walls of which is beveled, and

a supporting lug projecting from under said beveled edge, and a reversible double pointed share detachably secured to the lower end of the standard and having inner angular corners adapted to register with the angular notch in said mold board, and beveled side edges adapted to register with the beveled edge or wall of said notch and rest upon said supporting lug, substantially as set forth.

3. In a plow, the combination of the enlarged standard foot having an elongated shouldered recess at one side and the lower edge thereof, and a locking notch in one wall of the recess, the removable mold board and share secured to said foot plate, and the landside removably secured within the registering shouldered recess and having an inner projecting locking lug adapted to engage said locking notch and a slide flange lapping the lower edge of the standard foot, substantially as set forth.

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

EDWARD S. COOK.

Witnesses:

C. E. NORVELL,  
WM. L. WATKINS.