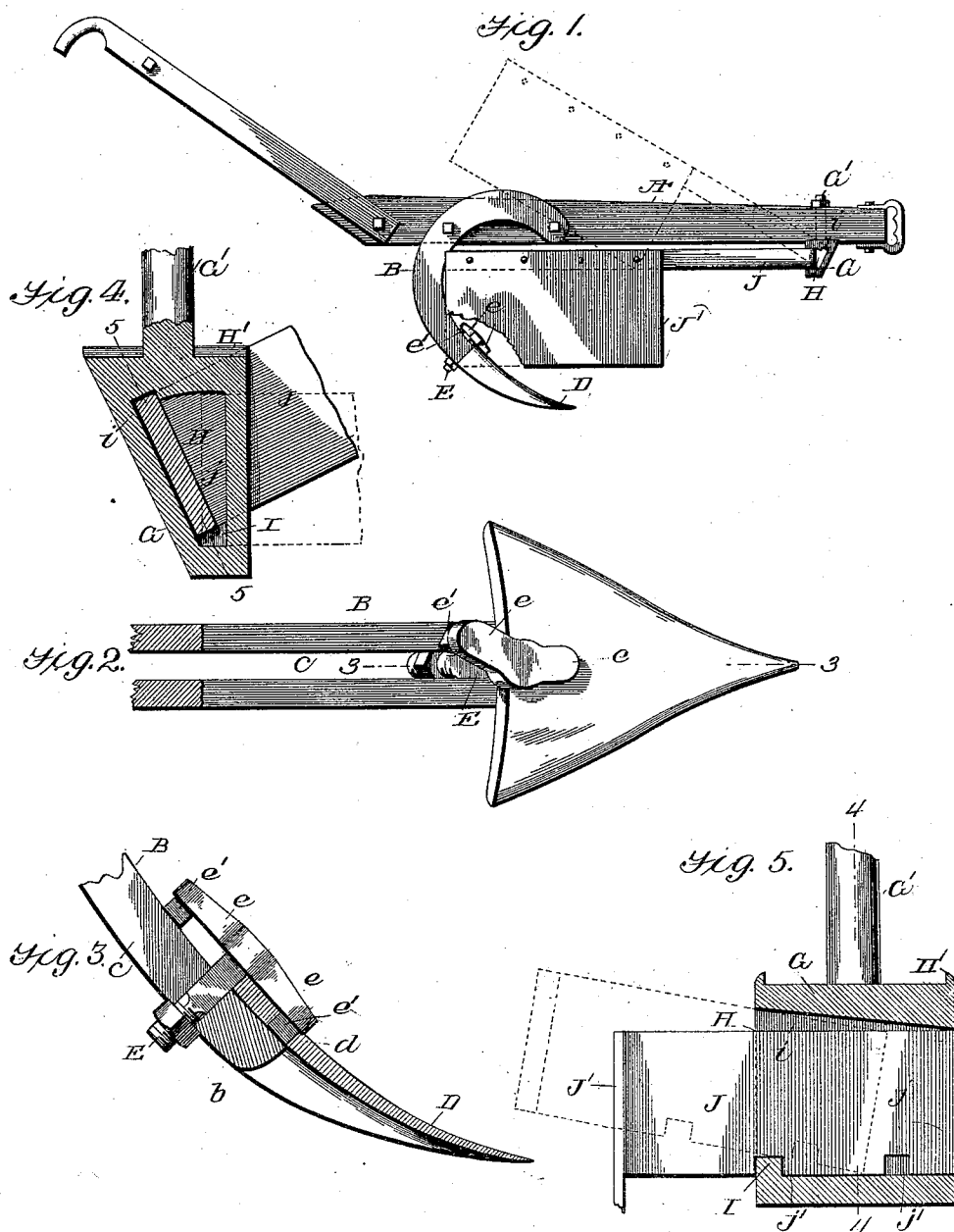


(No Model.)

W. M. McLENDON.
PLOW.

No. 543,651.

Patented July 30, 1895.



WITNESSES
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WILLIS M. McLENDON, OF WOODBURY, GEORGIA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 543,651, dated July 30, 1895.

Application filed May 14, 1895. Serial No. 549,266. (No model.)

To all whom it may concern:

Be it known that I, WILLIS M. McLENDON, of Woodbury, in the county of Meriwether and State of Georgia, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention relates to plows; and it consists in improved novel means for attaching the fender to the plow-beam and the share to the foot or standard, as will be hereinafter described in detail, and illustrated in the drawings, in which—

Figure 1 is a side elevation of a plow equipped with my improvements. Fig. 2 is a detail top plan view of the share-fastening device. Fig. 3 is a vertical section on line 3 3, Fig. 2. Fig. 4 is an enlarged view of the fender-holder on line 4 4, Fig. 5. Fig. 5 is a vertical section through the holder on line 5 5, Fig. 4.

The plow is of the ordinary shovel type, having a beam A, foot iron or standard B, which consists usually of two curved bars welded together at their lower ends or foot, as at *b*, and fastened at top to the beam A, the space or slot *c* between the bars permitting the passage of the share-fastening bolts.

The share D is of usual construction and therefore provided with an opening *d* near its top or back edge for the passage of a securing-bolt, which passes through slot *c* in the foot of the standard and is fastened by a nut. This bolt of course limits the downward movement or adjustment of the share on the foot, as it will strike the end of the slot.

Various devices have been employed for fastening the share to the foot, so that more wear can be had from it; but these have been more or less complicated and have not been generally adopted. I employ a peculiarly shaped bolt E for the fastening.

The bolt is roughly T-shaped. Its head projects on opposite sides, and each arm *e* of the head has a tooth *e'* on its under side, which is adapted to fit in opening *d* of the share; and when the stem of the bolt is passed through slot *c*, as indicated in full lines, Fig.

3, the tooth *e'* on the arm overlying the share will enter opening *d*, and the tooth *e'* of the other arm may rest upon the top edge of one of the bars of standard B and prevent the tooth *e'* of the first arm being rocked out of hole *d* when the nut E' on bolt E is tightened.

By providing the bolt with two arms *e* either may be engaged with the share, and no particular adjustment of the bolt in securing the share to the foot is required.

It will be observed by reference to Fig. 3 that if an ordinary bolt was passed through opening *d* the share would be drawn back upon the foot until hole *d* registered with the end of slot *c*; but by using my novel fastening the share can be set much lower on the foot, and thus additional wear on the share allowed and a much greater adjustment or variation of the share in relation to the foot provided, while the foot can be kept considerably above or in rear of the share-point.

My fastener can be readily substituted for the ordinary fastening-bolts, in such plows prolonging the practical durability or utility of the shares thereof. Such plows, when used in cultivating small fruits or vegetables, require fenders to prevent large clods falling on and crushing the plants, and it is necessary to have the fender readily attachable and detachable and adjustable.

My fender-holder consists of a casting G, which is provided with a threaded shank G', by which it is fastened to the beam A a suitable distance in front of the share. The front face of said holder is inclined rearward from top to bottom, so that it will not be liable to catch on obstructions, and through this holder is a transverse slot H, which is roughly triangular in cross-section, being widest at top and narrowest at bottom, the rear wall being vertical and the front wall of the slot inclined.

At one end of the slot H and in the bottom thereof is a tooth I, and at top of slot H and at its forward corner is a narrow slot *i*, which opens at the side above tooth I and narrows down to the opposite side, so that while it is seen at the right-hand side of holder it is not seen at the left-hand side.

The bar J, carrying the fender J', is of ordinary construction, except that its forward

end *j*, which is bent at right angles to its main portion and enters slot H, is provided with notches *j'* in its under side adapted to engage tooth I when inserted in the holder.

5 To attach the fender to the holder the end *j* of the bar J is tilted, so that it can be slipped over tooth I, through slot *i*, as indicated in full lines, Fig. 4, until the desired notch *j'* is over the tooth I. Then the fender-
10 bar is dropped and the notch *j'* engages tooth I and the top of bar clears notch *i* and passes into the rear part of slot H. The weight of the fender brings it to the position shown in full lines, Fig. 1, in which position the bar
15 cannot rise in slot H so as to clear tooth I. Consequently the fender is locked to the holder in a quick but positive way, while at the same time it is allowed to swing or rock up and down to accommodate itself to the ground or
20 to allow the plowman to lift it in turning corners, passing obstructions, &c., without disengaging it from the holder. The slot *i* not only permits the attachment and removal of the fender, but also enables it to be held
25 in raised position, for if the fender be raised until the upper edge of part *j* enters slot *i* and then moved so that the notches *j* will not coincide with tooth I the fender will be locked in the raised position. (Indicated in
30 dotted lines, Figs. 1 and 5.)

The top of the holder may be provided with ribs H', so that it will not slip when in place, and by turning the holder in relation to the beam the fender can be set at an angle to the
35 plow-beam; also, by pushing end *j* farther in or out of the holder the fender will be adjusted nearer to or farther from the beam. The utility, simplicity, and effectiveness of this holder will be obvious from the foregoing
40 description and drawings.

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

45 1. The combination of the plow and the fender-hanger, attached to the beam thereof, having a transverse slot as H, and a tooth as I in the bottom of the slot, for the purpose

and substantially as described, with the fender-bar and fender, substantially as set forth.

2. The combination of the plow and the fender hanger consisting of a casting having a transverse slot as H, wide at top and narrow at bottom, a tooth at one end of the slot, and a supplementary inclined slot at the front upper corner of slot H, substantially as described, and the notched fender carrying bar engaging said hanger, substantially as specified.

3. The combination of the plow having a slotted standard, and the share having an opening for the passage of a retaining bolt; with the fastener consisting of a bolt having an elongated head or arms on its upper end provided with a tooth adapted to enter the bolt opening in the share when the bolt is
65 passed through the slot in the standard, substantially as described.

4. The combination with the plow and share substantially as described, of the reversible fastener E having a threaded shank or bolt, and opposite arms on its head adapted to hold the share in place when the bolt is fastened to the plow standard, substantially as described.

5. The herein described reversible plow-share fastener consisting of a bolt E having opposite arms *e, e*, on its head, each provided with a tooth *e'* on its under side, for the purpose and substantially as set forth.

6. The combination of the plow beam, the casting G, attached thereto having ribs G', a threaded shank, a triangular slot H, a supplementary slot *h*, and a tooth I, substantially as and for the purpose described; with the fender bar having a notched end *j*, substantially as and for the purpose described.

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

WILLIS M. McLENDON.

Witnesses:

JAMES R. MANSFIELD,
ARTHUR E. DOWELL.