

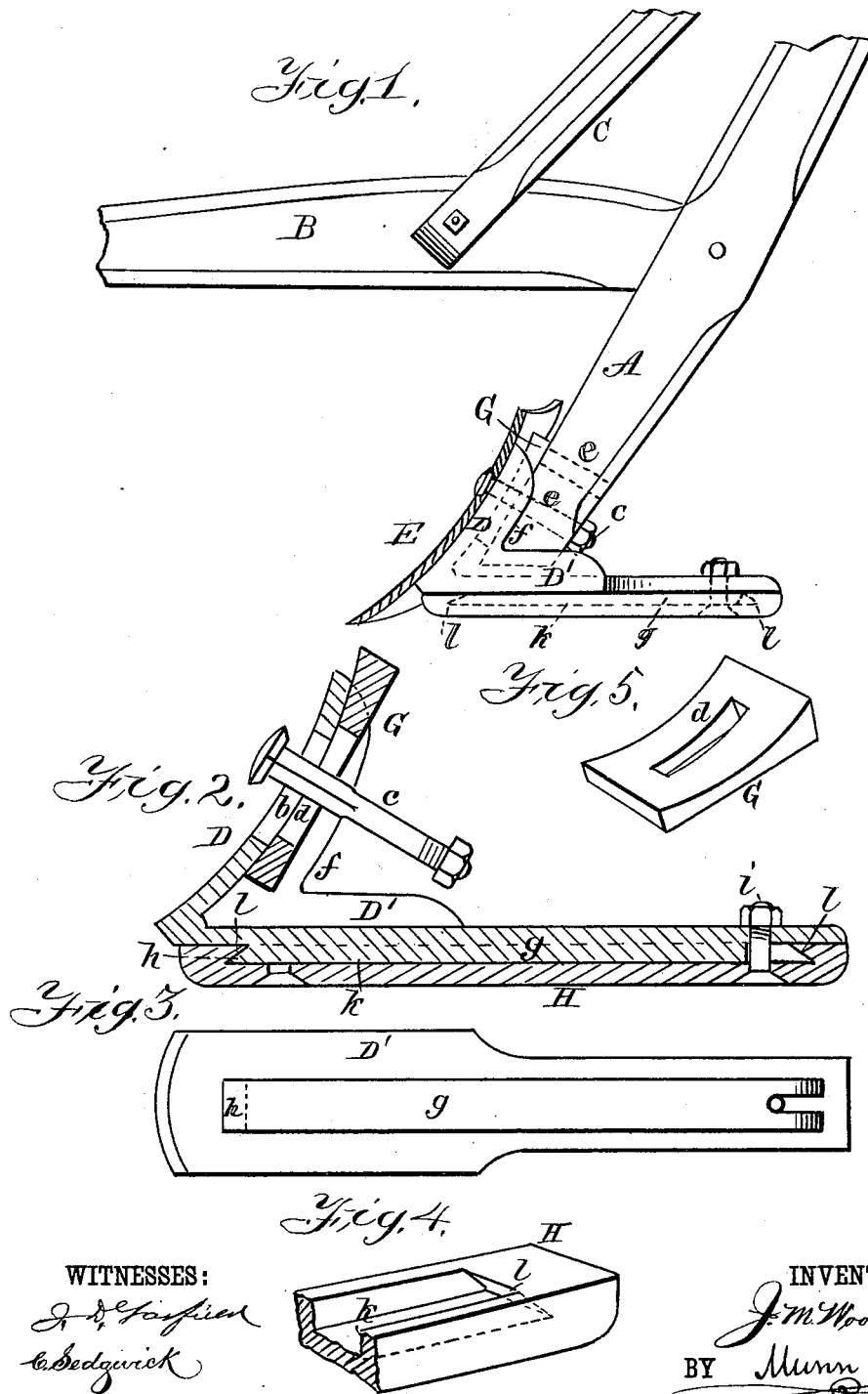
(No Model.)

J. M. WOODLEY.

PLOW.

No. 349,916.

Patented Sept. 28, 1886.



WITNESSES:
J. S. Taylor
C. Sedgwick

INVENTOR:
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JONATHAN MEEKINS WOODLEY, OF CLIO, SOUTH CAROLINA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 349,916, dated September 28, 1886.

Application filed December 28, 1885. Serial No. 186,880. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN MEEKINS WOODLEY, of Clio, in the county of Marlborough and State of South Carolina, have
5 invented certain new and useful Improvements in Plows, of which the following is a full, clear, and exact description.

This invention is applicable to sweep, single or double shovel, bull-tongue, and other
10 plows, and can be readily applied to different sweep or shovel-stocks, including those now in use, whether made with wood or iron standards or helves.

The invention consists in a certain wedge-shaped adjustable and reversible block for use
15 in connection with an adjustable breast part, which carries the sweep or shovel, said wedge or block being arranged between the standard of the plow and the portion of the breast which is adjustable up or down, the whole,
20 which forms a plow-gage, being adapted to suit plows of different lengths, and serving to regulate the angle or pitch and depth of entry of the sweep or shovel into the ground.

The invention also consists in a detachable and reversible shoe, substantially as hereinafter shown and described.

Reference is to be had to the accompanying drawings, forming part of this specification, in
30 which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a side view of a plow in part with my invention applied, and showing an attached shovel in section. Fig. 2 is a
35 longitudinal vertical section through the breast and foot piece, wedge, and the detachable and reversible shoe. Fig. 3 is an under view of the breast and foot piece detached. Fig. 4 is
40 a view in perspective of one end of the detachable and reversible shoe, and Fig. 5 a perspective view of the wedge or wedge-shaped block detached.

A indicates the standard or stock portion of a sweep or shovel plow, B its beam, and C one
45 of its handles.

D D' is the breast and foot piece, made separately attachable to the plow-stock, and the
50 breast part D, of which, that carries the shovel E, is suitably curved or shaped to fit the shovel or sweep; also is made adjustable up or down

on the stock to adapt it to any length of plow. Said adjustment is provided for by constructing said curved breast part D with a longitudinal slot, *b*, through which the bolt *c*, that
55 secures the shovel E to its place on the stock, passes, said bolt also passing through a wedge or wedge-shaped metal block, G, also having a longitudinal slot, *d*, in it, and through any
60 one of a series of holes, *e*, arranged one above the other in the lower portion of the standard A. Flanges *f* may be formed on the sides
of the breast and foot piece D D', to receive the lower end of the standard and the wedge
65 G down within it. By adjustment of the wedge G up or down, which wedge is arranged between the breast part D and standard A, and
is suitably curved on its face to fit said breast part, and by reversing the wedge, which tapers
70 in direction of its thickness—that is, either placing its thick or thin end uppermost—the sweep or shovel E can be regulated to run any desired depth, and the gage be
adjusted to any desired angle. In making these
75 adjustments, in which the wedge G serves to adapt the gage to different plow stocks, the bolt *c* is first slackened and
afterward tightened up. The foot part D' of
80 the breast and foot piece has a longitudinal strip, *g*, on its under side, formed with a hook-shaped extremity, *h*, at its one or forward end, over which the detachable shoe H of the plow
is slipped, and with the hook end of which
85 it is made to engage, and is ultimately secured by a bolt, *i*, arranged to pass through the other end of the shoe and foot part D'. The
upper face of the shoe has a recess, *k*, in it to
90 fit over and receive within it the strip *g*, which recessed portion has its opposite marginal ends each formed with a hooking-lip, *l*, to provide
for the shoe being reversed end for end and
95 still engage or lock with the hook end *h* of the foot-piece, the shoe being provided with a hole for the bolt *i* at or near both of its
ends. This differs from a mere adjustable or mere detachable shoe, inasmuch as it provides,
100 by reversing it, for wear at both ends before replacing it by another shoe, which is of great importance in view of the fact that the shoe is the part most exposed to wear.

Having thus described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

The combination, with the standard and securing-bolt, of the foot-piece having a longitudinally-slotted curved breast portion and
5 the longitudinal strip upon its horizontal bottom portion, said strip having a hook at one

end, the reversible recessed shoe, and the reversible slotted wedge, substantially as and for the purpose set forth.

JONATHAN MEEKINS WOODLEY.

Witnesses:

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