

O. F. PHILLIPS.
Plow.

No. 205,977.

Patented July 16, 1878.

FIG. 1.

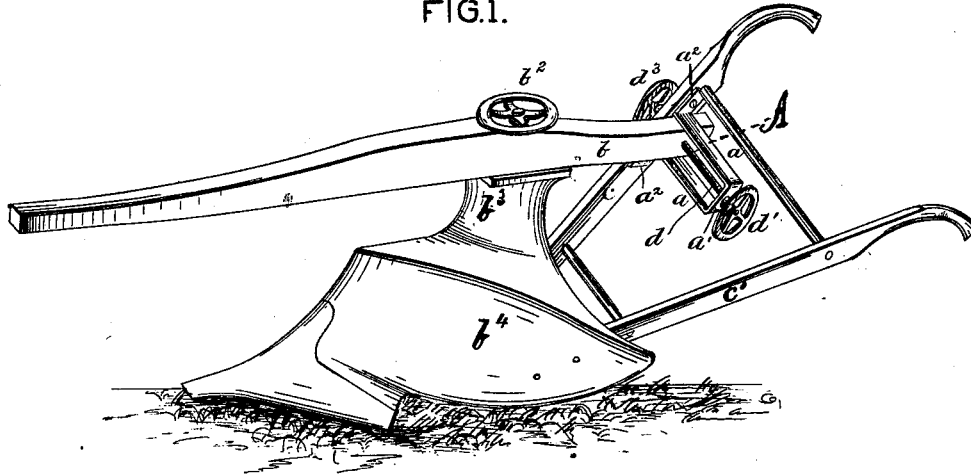


FIG. 2.

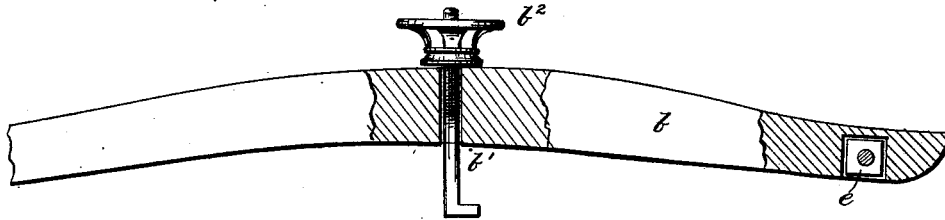


FIG. 3.

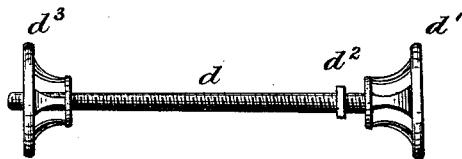
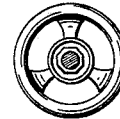


FIG. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

OSCAR F. PHILLIPS, OF LYNCHBURG, VIRGINIA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 205,977, dated July 16, 1878; application filed February 25, 1878.

To all whom it may concern:

Be it known that I, OSCAR F. PHILLIPS, of Lynchburg, in the county of Campbell and State of Virginia, 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, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

This invention has for its object to provide means whereby the width of furrow or land may be regulated by a screw-bolt attached to the handles.

It consists in an angle-plate or clevis formed and adapted to be readily secured or attached to the handles, and provided with a screw-bolt which passes through a nut in the plow-beam, all of which are arranged to operate as hereinafter set forth.

In the drawings, Figure 1 is a perspective view of a plow with my improvements attached thereto. Fig. 2 shows the beam, partly in section, and Figs. 3 and 4 are detail views.

a a are two horizontal parallel guide-bars, united at their inner ends by the plate *a*¹, so as to form a clevis, A, adapted to receive the end of the beam *b*, which slides back and forth therein, as desired. The outer ends of the bars *a a* have formed on them the lugs *a*² *a*², by which the clevis is secured rigidly to the handle *c*, as shown.

In forming the clevis A the bars *a a* are so bent and arranged with reference to each other that the positions of the lugs *a*² *a*² will be adapted to the inclined position of the handle *c*, and will snugly fit against the side of the latter.

d is the adjusting-bolt, which is threaded and provided with the fixed rim-nut *d*¹ and with the fixed shoulder *d*¹, arranged so as to hold the plate *a*¹ between it and the fixed hand-nut, the cross-plate serving as a bearing for said nut.

e is a blind nut, placed in a recess in the beam *b* in such manner that it may have a slight adjusting movement to adapt its posi-

tion to the direction of the beam as the rear end of the latter is moved back and forth between the plates *a*.

The bolt *d* passes through the end plate *a*¹, and through the beam *b* and nut *e*, and through the handle *c*, and has on its outer end a rim-nut, *d*³, as shown.

The beam *b* is secured to the standard *b*³ of the plow or mold-board *b*⁴ by the bolt *b*¹, on which it has a rotating movement, and on which is placed the rim-nut *b*². The rear end of the beam is extended between the handles *c c*, and slides horizontally between the parallel bars *a a* of the clevis A, secured to the inner side of the handle *c*.

In the operation of the device the nuts *b*² *d*³ are loosened, after which the bolt *d* is turned in the proper direction to move the end of the beam in the direction desired. When the beam is set as desired the nuts *b*² and *d*³ are tightened, and the plow is ready for use.

The bars *a a* prevent any vertical movement of the end of the beam, while the rod *d* prevents any lateral movement thereof.

This device may readily be applied by any ordinary mechanic to any ordinary plow, no special construction of the beam and handles being required.

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

In combination with the plow-beam *b*, secured to and rotating on the standard *b*³ of the plow *b*⁴, and having its rear end extended between the handles *c c* and handle *c*, the bolt *d*, having the attachments *d*¹, shoulder *d*², and nut *d*³, and clevis A, composed of the horizontal parallel bars *a a* and vertical plate *a*¹, and lugs *a*², the end of said beam sliding horizontally between the fixed bars *a a* on the bolt *d*, all constructed and operating as shown and described.

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

OSCAR F. PHILLIPS.

Witnesses:

JOHN T. MURRILL,
WM. H. WREN.