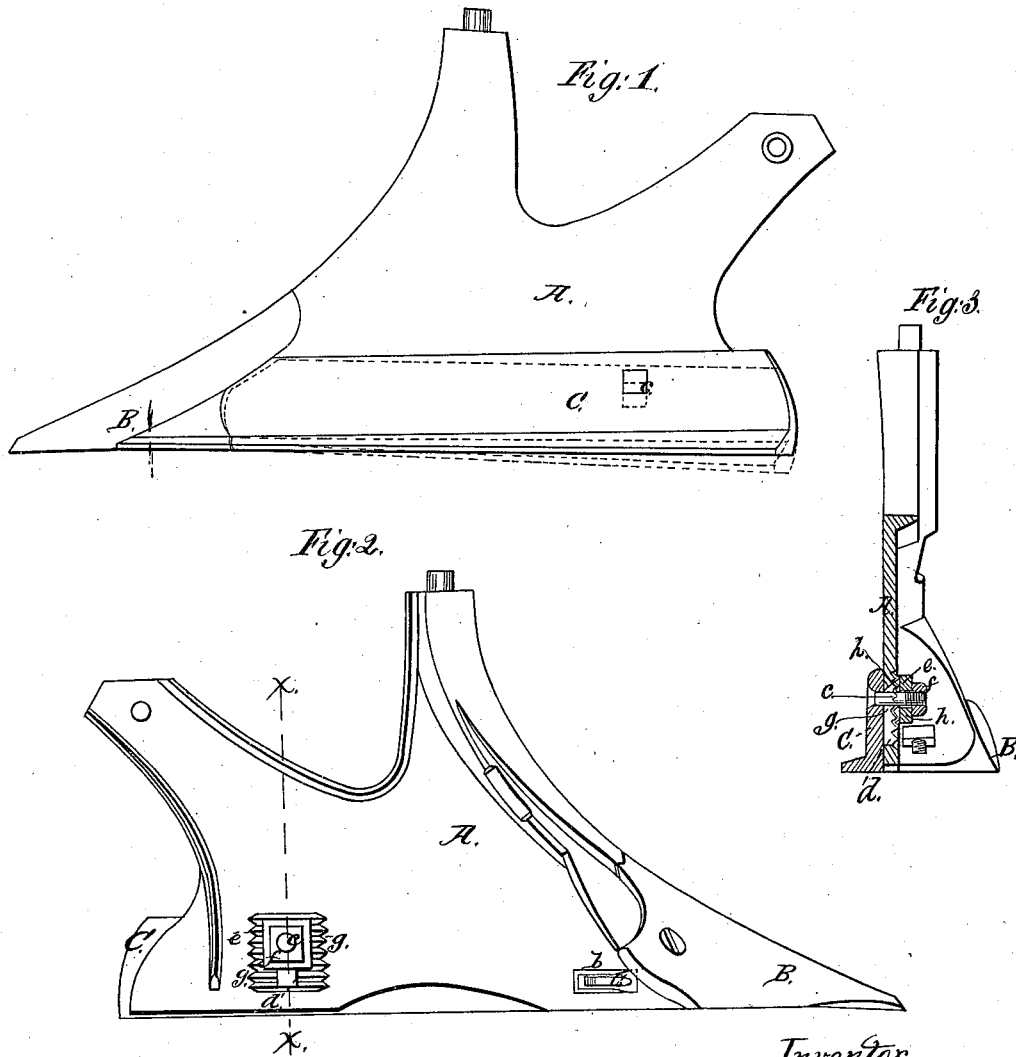


D. F. HUMPHREY.
 PLOW.

No. 46,362.

Patented Feb. 14, 1865.



Witnesses:
 C. L. T. Pluff.
 Henry Morris.

Inventor.
 D. F. Humphrey.
 Your humble
 Attorneys.

UNITED STATES PATENT OFFICE.

D. F. HUMPHREY, OF SALINE, MICHIGAN.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 46,362, dated February 14, 1865.

To all whom it may concern:

Be it known that I, D. F. HUMPHREY, of Saline, in the county of Washtenaw and State of Michigan, have invented a new and Improved Plow; 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 make and use the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is an outer side view of my invention; Fig. 2, an inner side view of the same; Fig. 3, a transverse section of the same, taken in the line *x x*, Fig. 2.

Similar letters of reference indicate like parts.

This invention consists in providing a plow with a movable or an adjustable landside, arranged in such a manner that the point of the share may have more or less pitch or rake given, as may be required.

A represents what may be termed the "permanent" landside of the plow, and B the share, secured to its front end.

C is an adjustable landside, the front end of which is provided with a hook, *a*, which is fitted in a recess, *b*, in the permanent landside A, near its front end and lower part.

In the back part of the landside C there is fitted horizontally a screw-bolt, *c*, which passes through an oblong vertical slot, *d*, in the per-

manent landside A, and has a washer, *e*, upon it and a nut, *f*, the washer and nut being at the inner side of the landside A.

At each side of the slot *d*, at the inner side of the landside A, there are horizontal grooves *g*, to receive projections *h* at the inner side of the washer *e*, the latter being kept engaged with the grooves by the nut *f*. By this arrangement it will be seen that when the landside C runs or bears upon the ground it may be adjusted at its back part higher or lower, according to the height of the slot *d*, and may be secured at any desired point within the scope of its movement by screwing up the nut *f*.

By lowering the landside C, a greater pitch or rake is given the share B, the pitch being reduced by raising said landside.

I claim as new and desire to secure by Letters Patent—

The movable or adjustable landside C, provided at or near its forward end with a hook which engages with a hole in the landside A, and fixed adjustably in a vertical slot in the latter by means of the notches *g*, the notched washer *e*, and the screw-bolt and nut *c f*, as described and represented.

D. F. HUMPHREY.

Witnesses:

J. A. HUMPHREY,
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