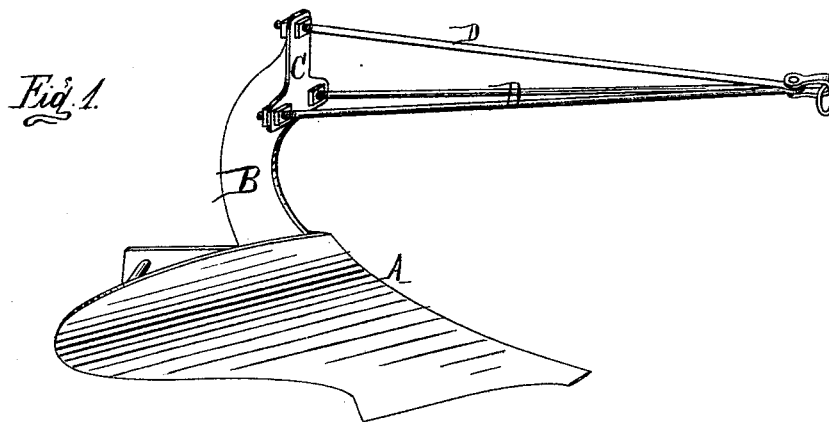


H. GALE.  
PLOW.

No. 189,722.

Patented April 17, 1877.



*Attest:*  
*Edward Barthel,*  
*Charles J. Hunt,*

*Inventor:*  
*H. Gale*  
*By Atty*  
*Wm. S. Sprague.*

# UNITED STATES PATENT OFFICE.

HORATIO GALE, OF ALBION, MICHIGAN.

## IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **189,722**, dated April 17, 1877; application filed January 4, 1877.

*To all whom it may concern:*

Be it known that I, HORATIO GALE, of Albion, in the county of Calhoun and State of Michigan, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification, in which the improvement is shown in perspective.

The nature of my invention relates to new, useful, and valuable improvements in the construction of what is usually denominated a plow-beam; and it consists in so constructing a plow-beam that it will be easily adjusted to or from the land; to enable the plow to run deep or light; to enable it to be used with three horses; and that it will be lighter than either the iron or wooden beam in common use, and as more fully hereinafter described.

In the drawings, A represents a plow mold-board, land-side, and point, of the usual or ordinary construction. B is the standard, to the top of which is secured, by casting with the standard, or otherwise, as may be preferred, the plate C, to which the draft-rods D, which form the beam, are adjustably secured by means of threads cut thereon engaging with suitable nuts on each side of the plate. The front ends of these rods are welded together, and terminate with a common

eye, to which, by a suitable bolt, the usual clevis may be attached, as shown.

In order to govern the depth of the furrow, the upper of the three rods may be lengthened or shortened, as desired, by the nuts at the rear end, thereby raising or dropping the front end of the beam. To adjust to or from the land, one or the other of the lower bolts may be lengthened or shortened in the same way. The operation is so simple and easily perceived from the drawing that a further description is deemed unnecessary.

In the drawing I show only three rods, because I deem that number, arranged in a triangle, preferable to any other number, for they brace from every direction; still four rods might be used, arranged as the corners of a rectangle or parallelogram.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with the standard B of a plow, of the plate C at the top thereof, and the draft-rods D attached to such plate by means of screw-nuts placed on each side of the said plate, constructed and arranged substantially as described and shown, for the purpose set forth.

HORATIO GALE.

Witnesses:

H. S. SPRAGUE,  
CHAS. J. HUNT.