

UNITED STATES PATENT OFFICE.

JOHN DEMENT, OF DIXON, ILLINOIS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 43,978, dated August 30, 1864.

To all whom it may concern:

Be it known that I, JOHN DEMENT, of Dixon, in Lee county, and State of Illinois, have invented certain new and useful Improvements in the Construction of Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and letters and figures of reference marked thereon, making part of this specification.

Figures 1 and 2 in the annexed drawings represent side elevations of my plow. Fig. 3 is a rear view or end elevation of the same.

N represents the beam, and D the handles, of the plow.

A and C represent two standards, which unite midway between the landside-bar *h* and beam N, and then divide into two arms, the left arm being secured to the beam N with a bolt which penetrates the beam, and the right arm resting against the under surface of beam N. The standard A descends from its point of junction with C in a line some two or three inches inside of bar *h*, and then curves outward until it reaches *h*, to which it is fastened by a bolt, or in any other suitable manner. By this construction of standard A the landside is relieved from clogging and unnecessary friction. Standard C is fastened to bar *h* in the same manner as standard A.

B represents a brace, the lower end of which is bolted to the side of standard A, and its upper end is bolted to the side of beam N. From this point its extension (marked *g'*) curves to

the left until it reaches the left handle, D, against which it rests. The extension-brace *g'* has near its end an oblong slot, for the purpose hereinafter described.

*g*² represents another brace, similar in construction to *g'*, and fastened to the plow-beam with the same bolt that penetrates *g'*. The upper end of *g*² is slotted in the same manner as *g'*.

m represents a metal rod which passes through the two handles of the plow and through the slots in *g'* and *g*². Screws are cut on each end of rod *m*, and each end furnished with two nuts, one on the inner and one on the outer side of plow-handles. By means of the rod *m* and the slots in the braces the plow-handles can be raised or lowered, so as to be adapted to the stature of the plowman. At the same time *g'* and *g*² answer the purpose of strong braces to the plow-handles. My mode of adjusting the handles is the simplest and the most substantial yet adopted, and adds nothing to the cost of construction.

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

The standard A, the brace B, with connecting-braces *g'* and *g*², and rod *m*, the whole constructed and arranged in the manner and for the purpose substantially as herein set forth.

JOHN DEMENT.

Attest:

HENRY D. DEMENT,
GEO. I. BERGEN.