W. N. BELL.

PLOWS.

No. 180,742. Patented Aug. 8, 1876.

Fig. 1.

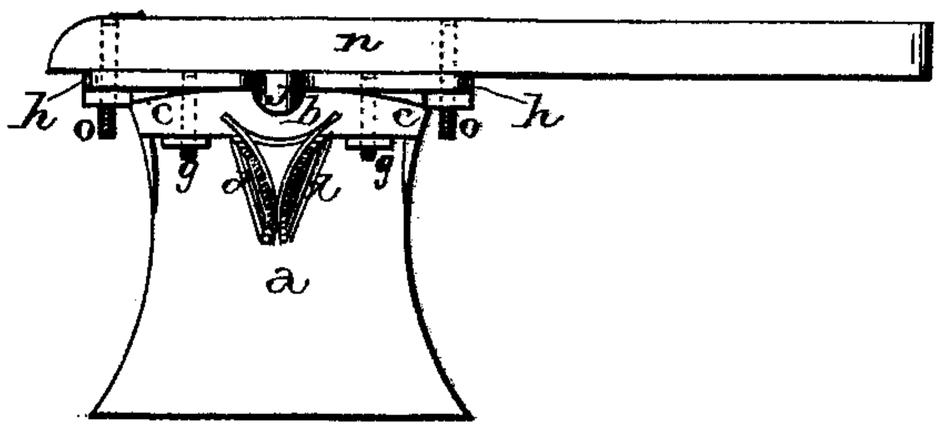


Fig. 2

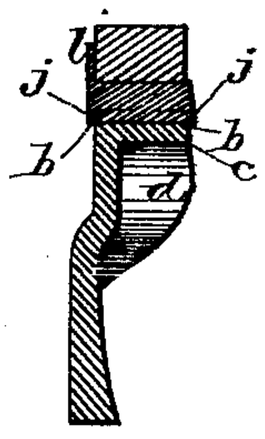


Fig. 3.

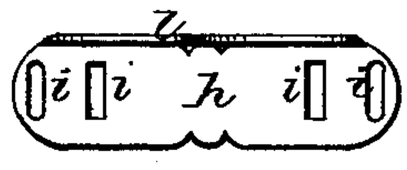
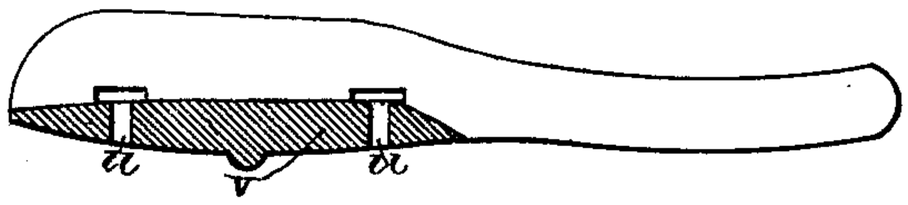


Fig. 4

Fig. 5.



WITNESSES:

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per

F. A. Lehmann, Atty.

UNITED STATES PATENT OFFICE.

WILLIAM N. BELL, OF MONTPELIER, OHIO.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **180,742**, dated August 8, 1876; application filed June 10, 1876.

To all whom it may concern:

Be it known that I, WILLIAM N. BELL, of Montpelier, in the county of Williams and State of Ohio, have invented certain new and useful Improvements in Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in plows; and it consists in the arrangement and combination of parts, that will be more fully described hereinafter, whereby the draft of the plow is prevented from coming upon the bolts, and the beam can be adjusted both vertically and laterally.

The accompanying drawings represent my invention.

a represents the plow-standard, the top edge of which is rounding, and has a groove, *b*, cut across its surface. The top edge *c* of this standard is so formed as to project considerably over one side of the standard, so as to form a flange of any desired width, which flange is strengthened and supported by the flanges *d* that rise up and outward from the standard. Through each end of this flange is made a hole or slot, *e*, for the fastening-bolts *g* to pass through, which bolts secure the adjustable top piece *h* upon the top of the standard. This top piece is made longer than the top edge of the standard, and has four transverse slots, *i*, through it, a bead, *j*, on its under side to fit in the groove *b*, and a flange, *l*, that rises vertically upward from its land-side edge, so as to prevent the plow-beam *n*, which is secured to its top by the bolts *o*, from being moved too far in that direction.

By means of the slots *i* not only this top piece, but the beam *n* can be adjusted sidewise on the top of the standard, so as to adjust the draft, and, by means of the bead *j*, the draft is taken from the bolts to a great degree.

By loosening the front bolt *g* and tightening the rear one, the front end of the top piece *h*, and with it the beam *n*, can be raised upward, and by loosening the rear bolt *g* and tightening the front one, the front end of the beam can be depressed, the rounding edge of the standard allowing the piece *h* to rock back and forth upon it. The beam *n*, as used in connection with this top piece, is made of wood or iron.

Where it is desired to use a metal beam only, the piece *h* can be done away with, the bead *j* formed on the under side of the beam, and the beam have the flanges *v* formed on its rear end, and the bolt-holes *u* made down through it. When this metallic beam is used, but two bolts are necessary.

Having thus described my invention, I claim—

The combination of the standard *a*, having curved top and a groove, *b*, top piece *h*, slots *i*, bolts *g o*, and beam *n*, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of May, 1876.

WILLIAM N. BELL.

Witnesses:
S. H. MEEKS,
J. D. KRIEBEL.