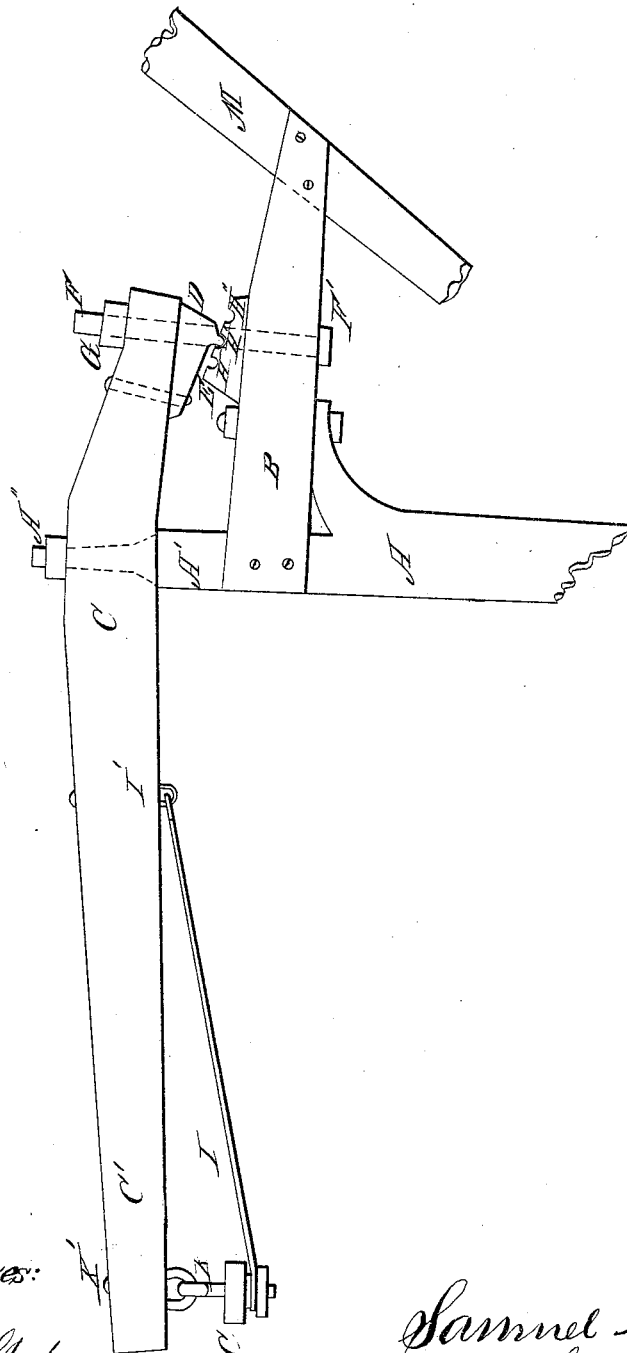


S. H. Miller
Plow Beam

N^o 111,764.

Patented Feb 14, 1871.



Witnesses:

*N. W. Stipes,
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Inventor:

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UNITED STATES PATENT OFFICE.

SAMUEL H. MILLER, OF HAMILTON, ILLINOIS.

IMPROVEMENT IN PLOW-BEAMS.

Specification forming part of Letters Patent No. 111,764, dated February 14, 1871.

To all whom it may concern:

Be it known that I, SAMUEL HOLDEN MILLER, of Hamilton, Hancock county, Illinois, have made a new and useful Improvement in Plow-Beams, &c., of which the following is a specification.

The object of my invention is to prepare the ordinary style of plows to avoid the disadvantage of weeds clogging under the beam, to make the beam to be variously adjustable, and to improve several details. To do this I make and arrange the beam parts and other portions of the ordinary style of plows substantially as set forth and shown herein and in the accompanying drawing, having letters of reference to the several parts corresponding with those herein used for reference, and in which—

Figure 1 is a side elevation, showing the peculiar parts of my invention in plows.

A represents the standard of any ordinary plow, and B represents the back parts of the ordinary beam, to which the usual parts—share, mold-board, and handles—belong, but are not shown in the drawing. The standard extends some distance above the beam B, as A', and bears a top beam, C, which plays on it, as on a pivot, horizontally. The beam B reaches only to the standard A, to which it is fixed. The top beam, C, runs forward, as usual in plow-beams, and backward some distance over the beam part B. Under the back end of C is fixed a step part, D, and this rests in either one of a number of depressions, H H' H'', at different heights in a movable grade-block, E, which rests on beam B. A bolt, F, passes through beams B and C and parts D and E, to hold the whole in fixed but adjustable relations, so that the height of the fore beam, C, to which the team is attached, may be varied to suit different depths of plowing. The handles and plow are attached to beam B in

the usual way. The beam B is broad at the bolt F, and has a slot through which that bolt passes, which admits that bolt being set toward either side to vary the lateral adjustment of beam C to suit a different number of horses used abreast. This may be done, also, by having a slotted plate on top of beam B for the bolt, instead of passing through B. The beam C reaches forward to the team as an ordinary beam, but at such a height elevated above the usual position as not to be liable to clog by weeds, vegetable matter, &c. Under beam C is a draft-rod, I, which has eye-joint connections to the beam C at its back end and to bolt K at its front end. The bolt K has an eye-joint connection to the beam C, and passes downward through the double-tree L and draft-rod I, and has a nut under all on its lower end. The whole is so arranged that the double-tree L will be suspended at its usual height and not drop when the horses slack up or go to make a turning, and act to a disadvantage with the horses' legs, as in the ordinary way. The double-tree L can be made to suit one, two, three, or four horses abreast, which number may be varied by lateral adjustment of beam C, as referred to above.

This improvement may be adapted to old or new plows and admits of modification.

I claim—

1. The combination and arrangement of plow-beams B and C, the parts D and E, F and G, all constructed and operating as set forth.

2. The combination and arrangement of the front end of beam C, draft-rod I, bolt K, and double-tree L, all constructed and operating as set forth.

SAMUEL HOLDEN MILLER.

Witnesses:

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