

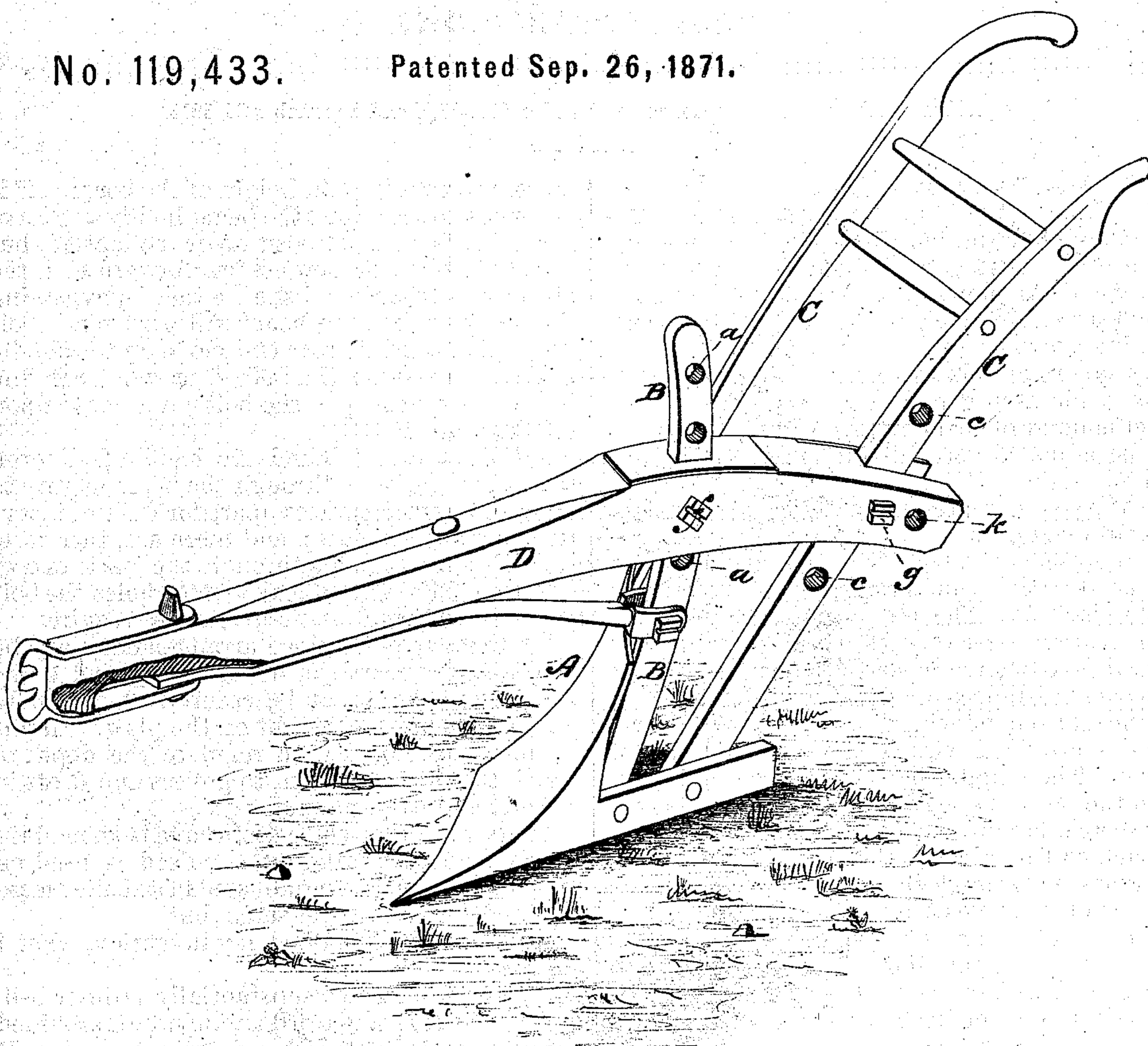
[84.]

JAMES C. VERTREES.

Improvement in Plows.

No. 119,433.

Patented Sep. 26, 1871.



Witnesses.

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UNITED STATES PATENT OFFICE.

JAMES CUNNINGHAM VERTREES, OF GALLATIN, TENNESSEE.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 119,433, dated September 26, 1871.

To all whom it may concern:

Be it known that I, JAMES CUNNINGHAM VERTREES, of Gallatin, in the county of Sumner and State of Tennessee, have invented certain Improvements in Plows, of which the following is a specification, reference being had to the accompanying drawing.

My invention relates to the common style or class of plows in general use; and consists in a novel manner of arranging the beam so that it can be adjusted vertically and also set at any desired angle.

The drawing represents a perspective view of my improved plow.

A represents the body, which is constructed in the usual manner, and provided with an upright or standard, B. The standard B is made much taller and stronger than usual, is curved a little forward, and has a series of holes, *a*, made through it at short distances apart. C are the handles, the upright one of which—the one on the land-side—is provided with a series of holes, *c*, as shown. The handles have their lower ends bolted to the body in the common manner. D is the plow-beam, having a slot or opening, *d*, cut in its back end to receive the handle C, a bolt, *g*, being passed through the back end of the beam and one of the holes *c* of the handle so as to hold the end of the beam in place. The forward part of the beam is supported by the standard B, which passes up through its middle, a bolt, *f*, being passed through the beam and one of the holes in the standard, as shown.

By withdrawing the bolts *f* and *g* the beam is released so that it can be moved bodily up or down, and then fastened at any desired height by reinserting the bolts. Each bolt, of course, passes through one or another of its series of

holes, according to the height of the beam. If it is not desired to adjust the beam bodily and have it retain its original position or inclination, but merely to raise or depress its forward end, the object may be accomplished either by removing the bolt *g* so that the beam will turn upon bolt *f* as a pivot and its rear end move on the handle C, or by removing the bolt *f*, in which case the beam will swing upon the bolt *g* and move upon the standard B.

As the standard B and the handle C diverge somewhat the bolts through the beam require to be at different distances apart for different positions or adjustments; and there are, therefore, several holes, *k*, made through the back end of the beam, through either of which holes the bolt *g* may be inserted, as circumstances require.

By the above-described arrangement it will be seen that the beam can be moved up and down bodily, and that it can be secured at any inclination while at any height on the plow. In this manner I am enabled to regulate the depth to which the plow cuts, and to govern the draft in a ready and easy manner.

I am aware that cultivators have been made in which a skeleton-frame or standard is used on which the beam can be adjusted in a similar manner, and I do not claim such; but

Having thus described my invention, what I claim is—

A plow constructed substantially as described, and having its standard B and handle C provided with a series of holes for adjusting the beam D thereon, as herein set forth.

JAMES C. VERTREES.

Witnesses:

C. C. BROWN,
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