

(No Model.)

M. COOPER.

PLOW.

No. 247,989.

Patented Oct. 4, 1881.

Fig. 1.

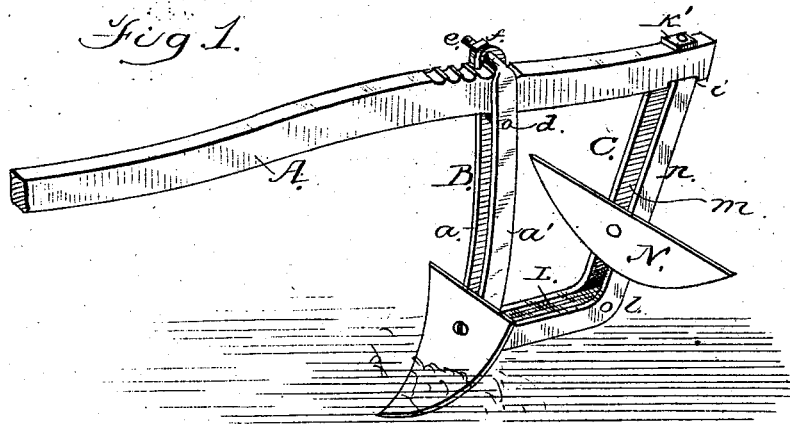


Fig. 2.

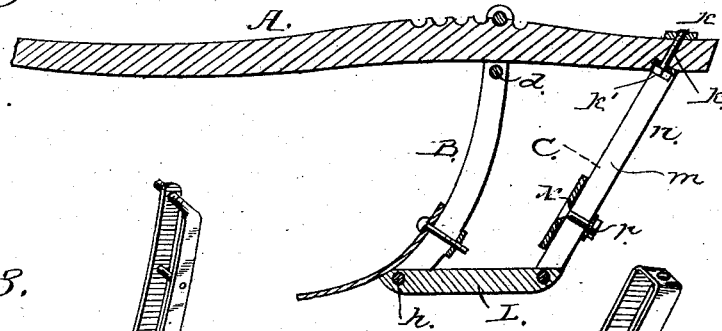


Fig. 3.

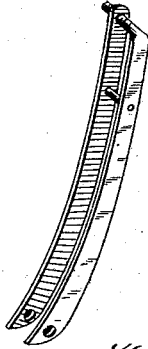


Fig. 4.

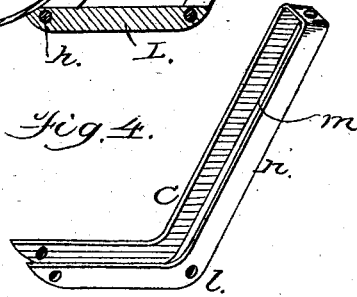
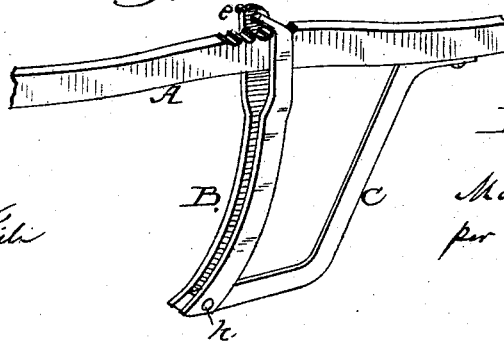


Fig. 5.



Attest;

H. Fowler,
No. 13. Applewhain

Inventor;

Mark Cooper
per Atty
A. H. Evans & Co

UNITED STATES PATENT OFFICE.

MARK COOPER, OF SPARTANBURG, SOUTH CAROLINA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 247,989, dated October 4, 1881.

Application filed July 27, 1881. (No model.)

To all whom it may concern:

Be it known that I, MARK COOPER, of Spartanburg, in the county of Spartanburg and State of South Carolina, have invented certain
5 Improvements in Plows; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

10 Figure 1 is a perspective view of the plow. Fig. 2 is a vertical section. Figs. 3 and 4 are details to be referred to. Fig. 5 is a modification.

My invention consists in the combination of
15 devices, as hereinafter described and claimed.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it
20 out.

In the said drawings, A represents the beam of the plow, B the standard, and C the land-
25 side and back brace.

The standard is constructed of two bars, *a a'*, which lie parallel, and at their lower ends are curved slightly forward to conform to the curvature of the plow D. A short distance below the beam a bolt, *d*, holds the pieces *a a'* together. Above the beam the piece *a* is bent down over the top of the beam at right angles, and has its end *e* drawn out into a screw-bolt,
30 which passes through a hole in the upper end of piece *a*, and a nut is passed on the threaded end of *a*, as seen at *f*. At their lower extremities there is pivoted between pieces *a a'* the end
35 of the back brace and landside by means of a riveted bolt, *h*. The landside and back brace is made of a flat metal bar, *n*, which is bent at the center to form a loop, and leaving the rect-

angular portion *i* to rest against the under side of the beam, to which it is secured by means of
40 a bolt, *k*, which passes through it and the beam, and is secured by means of a nut, *k'*. The two halves are then brought down to a point, *l*, where they are bent into a horizontal position,
45 as shown, and carried forward until they pass between the lower ends of the bars *a a'*, and are secured to the ends of said bars, together with an intervening solid shoe or piece, L, by
50 means of bolt *h*. At the bend *l* another bolt secures the shoe L to the two laps of the metal bar *n*. This construction leaves a long open slot, *m*, between the shoe L and the beam between the sides of the back brace. In this slot
55 moves or is fitted the shank of a grass-cutter, N, which is secured at any desired height by means of a nut, *p*.

Fig. 5 illustrates a modification of my device, wherein the back brace and landside are made of one single solid piece of iron instead
60 of with the double bars, as shown in the other illustrations.

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

The plow-standard constructed of the pieces
65 *a a'*, the piece *a* being bent at right angles above the beam, and passing through the perforation in the upper end of piece *a'*, in combination with and clasping the beam A and the bolt *h*, all constructed and operated as and for
70 the purpose set forth.

MARK COOPER.

Witnesses:

EDW. H. BOBO,
SIMPSON BOBO.

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