A. H. FARMER.

COLTER AND PLOW-STOCK.

No. 194,665. Patented Aug. 28, 1877.

Fig. 1.

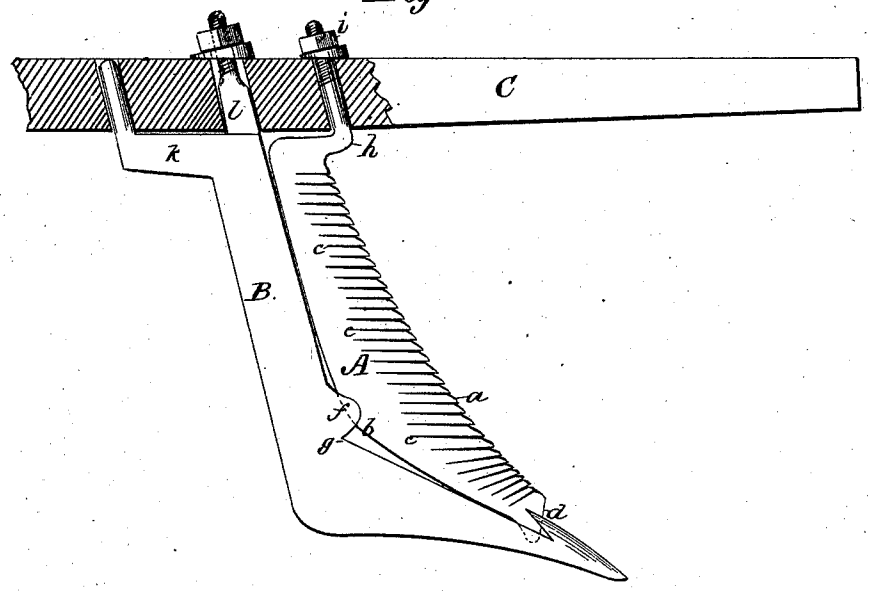
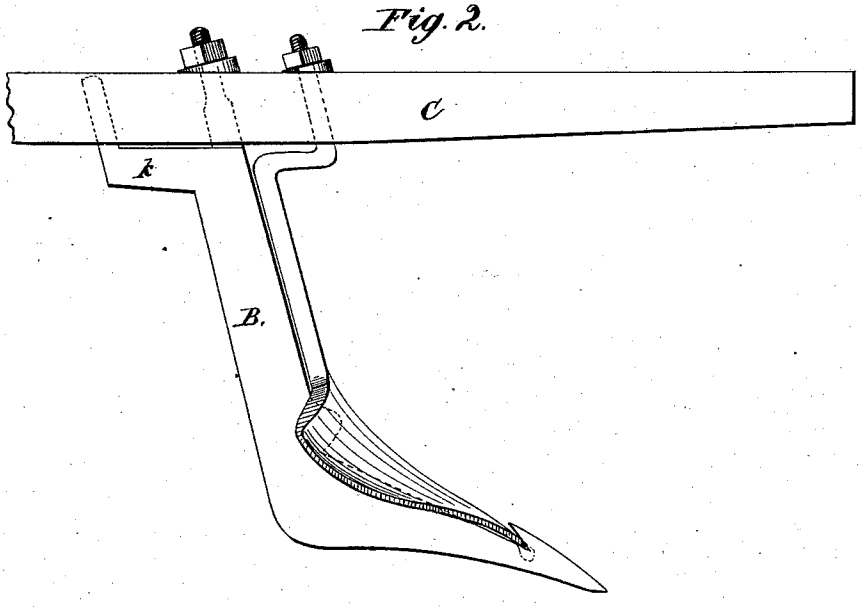


Fig. 2.



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ANDREW H. FARMER, OF OAK LEVEL, VIRGINIA.

IMPROVEMENT IN COLTER AND PLOW-STOCK.

Specification forming part of Letters Patent No. **194,665**, dated August 28, 1877; application filed May 14, 1877.

To all whom it may concern:

Be it known that I, ANDREW H. FARMER, of Oak Level, in the county of Henry and State of Virginia, have invented a new and Improved Colter and Plow-Stock; and I do hereby declare that the following is a full, clear, and exact description of the same.

The invention relates to an improved colter or sod cutter, and a stock or standard for supporting the same.

The construction and arrangement of parts are as follows:

In the accompanying drawing, forming part of this specification, Figure 1 is a side view of the colter and stock, showing also the manner of attaching the same to a beam. Fig. 2 is a side view of a shovel or share which may be used with the stock.

The colter A has a cutting-edge, *a*, nearly straight, and a curved back, *b*. The cutting-edge is serrated, the teeth thereof inclining downward, and horizontal grooves *c* extend backward from the several notches between the teeth.

This construction adapts the colter to easily sever large tough roots encountered in plowing, and the teeth are rendered self-sharpening, by reason of the notches and grooves between them, which wear back or deeper by friction with the furrow-slice.

The point *d* of the colter enters a recess in the point of the stock B, and the middle of its back *b* is held between ears *f*, which project from the stock at the bend or angle *g* of the same.

A right-angular arm, *h*, which is formed on the upper end of the colter, and projects forward of its cutting-edge, passes through the beam C, and is secured by a screw-nut, *i*. The stock B is also provided with a right-angular arm, *k*, and straight stem or arm *l*, by which it is similarly attached to the beam.

The arm *h* of the colter, and the ears *f* formed on the stock, serve to prevent the colter being twisted or broken by torsional action.

The colter is, notwithstanding, light, and cheaply constructed.

Besides the function of the ears *f* in holding the back of the colter, as above stated, they serve to strengthen the stock at its angle, without adding materially to its weight or cost.

I show in Fig. 2 a shovel or share adapted for use with the stock B, when it is desired to provide a light implement for furrowing or cultivating crops growing in rows.

What I claim is—

In combination with the stock B having the ears *f* at the angle thereof, the colter A having a convex back, and the right-angular arm projecting forward of the cutting-edge, as shown and described, for the purpose specified.

ANDREW H. FARMER.

Witnesses:

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