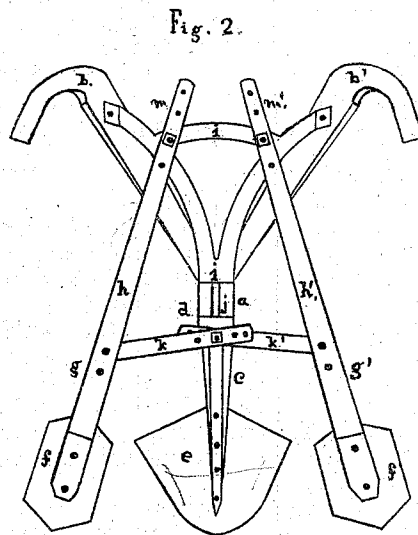
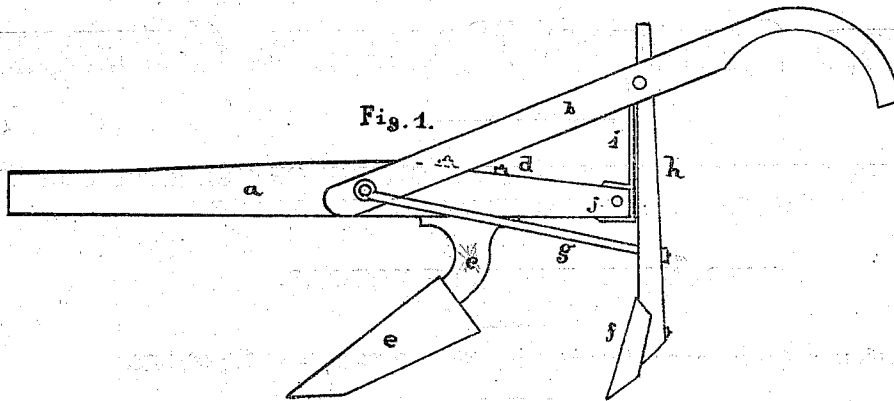


J. B. LANG.

Improvement in Cultivators.

No. 129,894.

Patented July 30, 187



Samuel J. Parker.
A. M. Lucas. Witnesses.

J. B. Lang. Inventor.

UNITED STATES PATENT OFFICE.

JOHN B. LANG, OF ITHACA, NEW YORK, ASSIGNOR OF ONE-HALF OF HIS
RIGHT TO J. S. REYNOLDS, OF SAME PLACE.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. 129,894, dated July 30, 1872.

To all whom it may concern:

A specification describing certain Improvements in Horse Corn Hoes or Cultivators, invented by JOHN B. LANG, of Ithaca, Tompkins county, New York.

My object is to simplify, make durable and convenient the cultivator or shovel corn-hoe in common use, and the nature of my improvements will be apparent as I describe them.

Figure 1 is a side elevation of my corn-hoe. Fig. 2 is a rear view of the same.

In Fig. 1, *a* is the beam of my hoe, similar to a plow-beam, and *b* the handles, and *c* the metallic curved standard, to which is attached the shovel-hoe *e*, and which standard is fast, by the screw *d*, to the beam *a*. At *f* is seen one of two rear hoes attached to a wooden straight standard, which has (*g*) one of the two braces that hold the rear hoes *f* and *f'* to the beam *a*. These standards are fast, by their upper parts, near the handles *b*, to the Y-shaped frame *i*, the edge of which frame is seen in the figure, and which frame holds the handles, rear end of the beam *a*, and other parts of my hoe-plow together. At *j* this metallic frame is tenoned to the rear end of the beam.

In Fig. 2 the same parts are seen from the

rear. The Y-shaped metallic frame is more clearly seen, holding the handles, rear standards, and rear end of the beam. At *m* and *m'* are holes in the top of the standards for the adjustment of height, and at *K K'* are two cross-bars, meeting just below the end of the beam in the lower part of the frame *i*, and, by the holes in their ends and by a burr on a bolt in the same, holding the standards at any convenient distance apart.

Claims.

I claim—

1. The frame *i*, when secured to the end of the beam *a*, in combination with the adjustable standards *h h'* and braces *k k'*, substantially as shown.

2. I claim the combination of the rearward extension of the beam *a* from the shovel-hoe *c* to the Y-shaped frame *i*, of the said frame *i*, and of the handles *b b'*, making the braced and mutual supporting frame-work of the beam, frame, and handles, as set forth.

J. B. LANG.

Witnesses:

SAMUEL J. PARKER,
A. M. LUCAS.