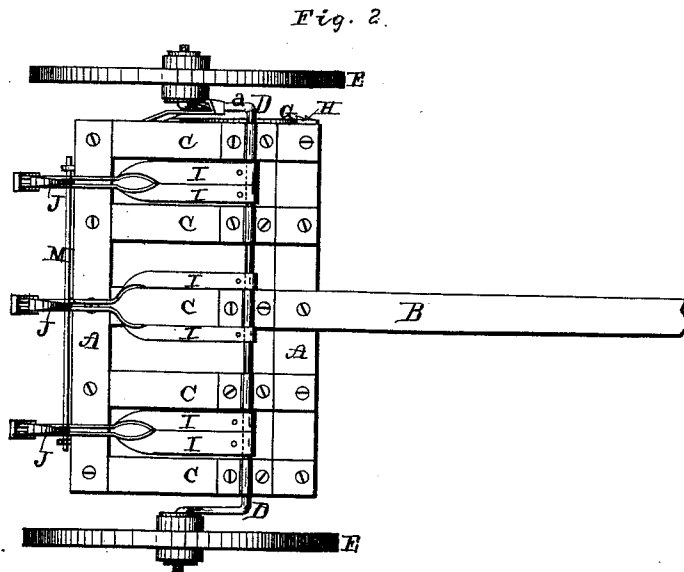
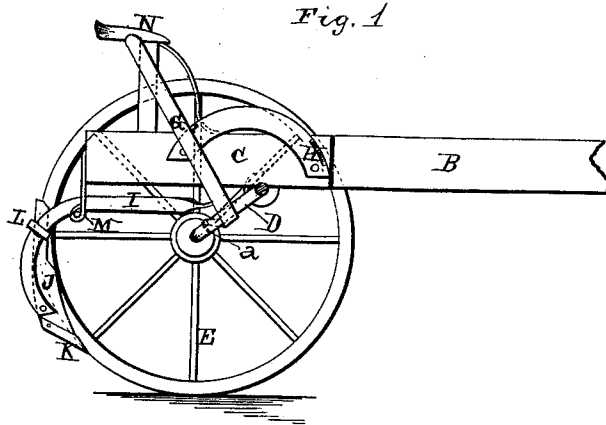


W. J. ROBERTSON.
PRAIRIE SOD-CULTIVATOR.

No. 181,106.

Patented Aug. 15, 1876.



WITNESSES=

J. W. Garner
F. M. Burdham

INVENTOR=

Wm. J. Robertson
per atty.

UNITED STATES PATENT OFFICE.

WILLIAM J. ROBERTSON, OF JASPER COUNTY, MISSOURI, ASSIGNOR OF ONE-HALF HIS RIGHT TO PHILLIP KNIGHT, OF SAME PLACE.

IMPROVEMENT IN PRAIRIE-SOD CULTIVATORS.

Specification forming part of Letters Patent No. **181,106**, dated August 15, 1876; application filed May 13, 1876.

To all whom it may concern:

Be it known that I, WM. J. ROBERTSON, of Jasper county, Missouri, have invented an Improvement in a Machine for Cultivating Prairie Land, of which the following is a specification:

The nature of my invention is fully illustrated in the accompanying drawing; and it consists in the construction and arrangement of a machine for cultivating prairie-sod land and for other purposes, as will be hereinafter more fully set forth.

In the annexed drawings, A A represent two parallel beams, connected by a series of cross-bars, C C, the center one of which is extended forward to form the tongue B. On the under side of these cross-bars, in suitable boxes or bearings, is placed the axle D, the entire frame resting thereon. The axle D has at each end a crank, a, on which the driving-wheel E is placed; and to one of said cranks is attached a lever, G, by means of which the frame is raised and lowered by the driver at will, the lever being held in either position by a notched segment, H, or its equivalent. On the axle D are hung a series of cultivator-beams, each of which consists of two flat beams, I I, the front ends being hooked over the axle, and fastened in the rear thereof by means of a bolt, and extending in a flat position toward the rear for a suitable distance, after which they are twisted and brought together side by side and united, by bolts or other suitable means, in such a man-

ner as to leave a narrow space between them, in which space the colter standard or shank J is placed. The rear ends of the beams I I are curved downward, and the standard or shank J is pivoted between their extreme rear or lower ends. On the lower end of the shank J is welded the colter-shoe K—said shoe, with a portion of the shank J, which is sharp at its front edge, forming the colter proper. The upper end of the shank J is held to the beams I by a clasp, L. M is a rod holding up all the beams I, as shown.

In operation, when the frame is lowered the weight of the frame and of the driver seated on the seat N holds the colters down to their work.

This machine is especially intended for breaking prairie-sod land, but may also be used for other cultivating purposes.

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

The combination of the double beam I I, constructed as described, the colter J, with shoe K and clasp L, all substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 26th day of April, 1876.

WILLIAM J. ROBERTSON. [L. S.]

Witnesses:

JOHN H. TYREE,
A. W. ROGERS.