

(No Model.)

T. MEIKLE.
Sulky Plow.

No. 237,765.

Patented Feb. 15, 1881.

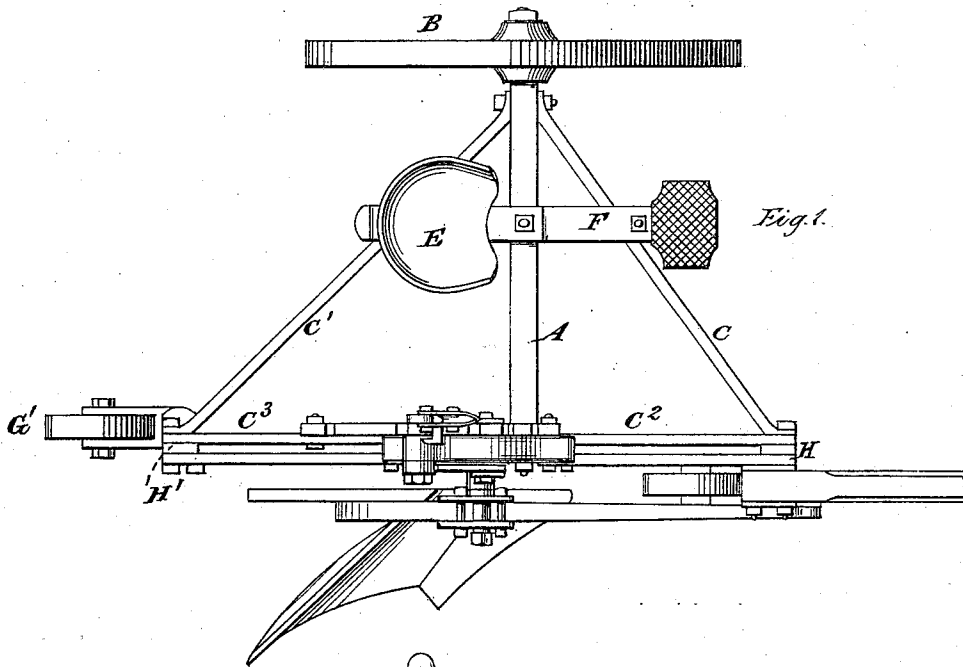


Fig. 1.

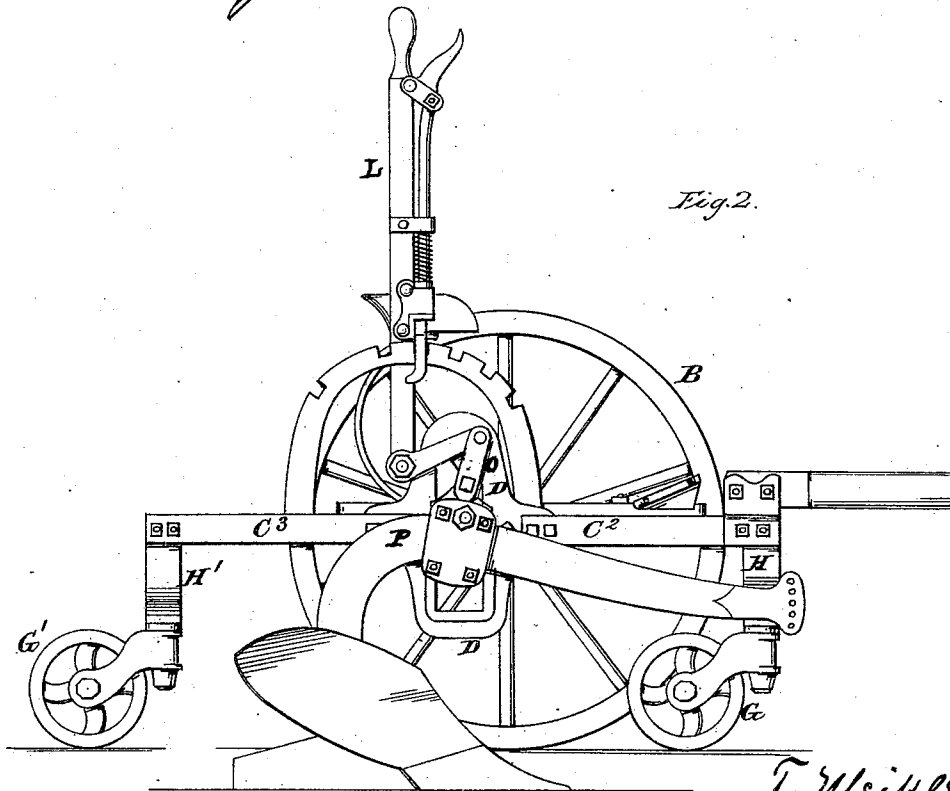


Fig. 2.

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UNITED STATES PATENT OFFICE.

THOMAS MEIKLE, OF LOUISVILLE, KENTUCKY.

SULKY-PLOW.

SPECIFICATION forming part of Letters Patent No. 237,765, dated February 15, 1881.

Application filed December 6, 1880. (No model.)

To all whom it may concern:

Be it known that I, THOMAS MEIKLE, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Carriages for Sulky-Plows, of which the following is a specification.

Figure 1 is a plan view. Fig. 2 is a side elevation.

The same letters are employed in both figures in the indication of identical parts.

This invention is intended as an improvement on the sulky-plow patented by me on the 22d day of October, A. D. 1878, in Letters Patent No. 209,283. In that device the plow and the operating mechanism were attached to the tongue and an extension of the axle outside of one of the wheels. These wheels were of the same size and attached to opposite ends of a bent axle. In my present invention I use a straight rigid axle, A, and one large wheel, B, running thereon, and a triangular frame, C C' C² C³, the side opposite the wheel and parallel with its plane being formed in two sections, C² C³, each composed of two parallel flat bars bolted at their outer ends to the braces C C', and at their inner ends to lugs upon the rectangular standard D, which is used as a substitute for the U-formed standard shown in my said former Letters Patent, to which the end of the axle A is firmly secured. The driver's seat E is supported on a spring sustained by the plate which is bolted to the axle A and braces C C'. The angles of the triangular frame are supported by caster-wheels G G', swiveling upon standards H H', respectively bolted to the bars C² and C³ at their outer ends, the curvature of these standards being such that the front caster-wheel, G, shall run in the line of draft in front of the plow-point, and the wheel G' shall run also on the solid ground at such distance from the edge of the furrow as to give it a firm bear-

ing on the ground. By this means all vertical strain is taken from the tongue and is borne entirely by the triangular frame, to which the tongue is bolted with sufficient freedom of motion to allow the requisite play to the carriage in running over the ground without wrenching the tongue, and so galling the necks of the horses.

The plow is elevated by a lever and toggle-joints, through the means of a slide in the open center of the standard D, in the same manner as in my said former Letters Patent.

My invention is distinguished from what has been before known in the art in the use of a triangular frame supported by one large and two caster-wheels, and so giving a support to the plow independently of the tongue, instead of suspending the plow from the tongue and extension of the axle, as heretofore practiced.

I do not claim, broadly, the use of a triangular frame for the carriage of a sulky-plow, for they have been used in other forms; but

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a sulky-plow, the combination of the axle A, vertical frame or standard D, the double bars C² C³, wheel B, and caster-wheels G G', substantially as shown and described.

2. The combination of the triangular frame C C' C² C³, having the vertical standard D, forming a guide for the plow clamp and slide, the bell-crank lever L, link O, and plow-beam P, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 26th day of November, 1880.

THOMAS MEIKLE.

Witnesses:

LAF. JOSEPH,
DAVID HENLY.