

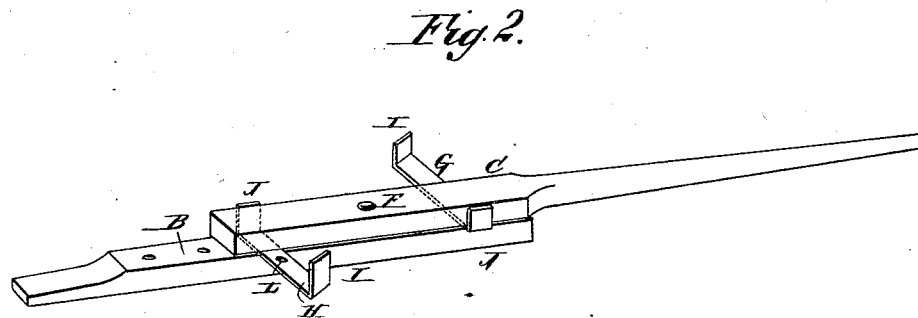
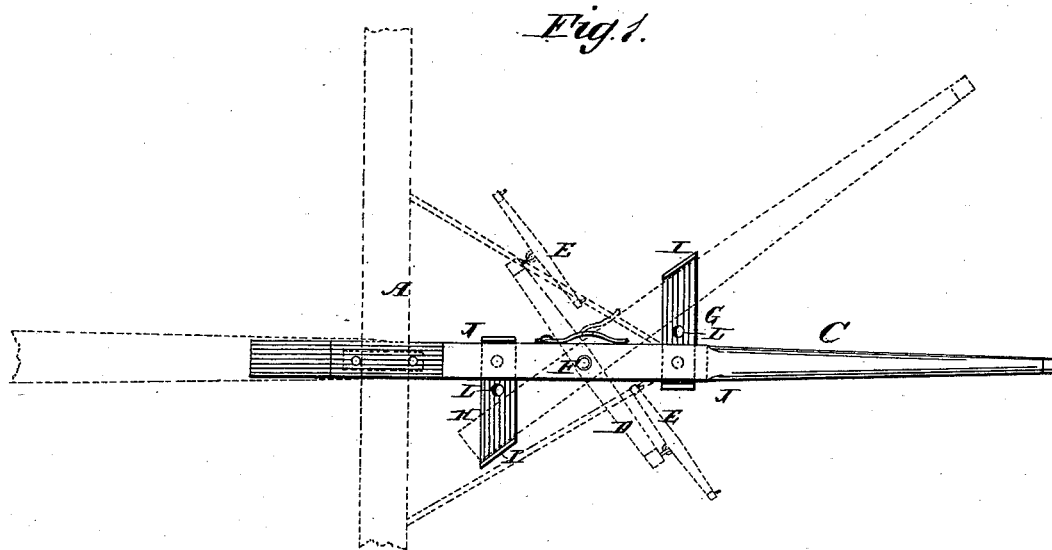
(No Model.)

T. T. HARRISON.

SULKY PLOW.

No. 264,692.

Patented Sept. 19, 1882.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS T. HARRISON, OF AUBREY, KANSAS.

SULKY-PLOW.

SPECIFICATION forming part of Letters Patent No. 264,692, dated September 19, 1882.

Application filed May 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, THOMAS T. HARRISON, of Aubrey, in the county of Johnson and State of Kansas, have invented a new and useful Improvement in Sulky-Plows, of which the following is a full, clear, and exact description.

This improvement in sulky-plows consists of a joint in the tongue a little in advance of the axle on which the wheels are mounted, and about where the evener is attached, for allowing the tongue to swing, so that the horses may get about half-way around square corners before the plow turns, together with stops by which the movement of the tongue on said pivot is limited to the required amount, said stops being changeable for allowing the tongue to be shifted in like manner on said pivot, either to the right or left hand. By thus allowing the team to turn about half around the corner before starting the plow and then pulling directly ahead in the direction of the furrow the plow comes into position better than when the joint is behind the wheels, where it has commonly been located heretofore. The joint is also useful for wheel-cultivators; but in that case the stops are shifted so as to allow the tongue to vibrate both ways alike.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a plan view of my improved jointed-tongue contrivance for sulky-plows, together with the axle of the truck, also the whiffletrees, shown in dotted lines; and Fig. 2 is a perspective view of the tongue and the stops.

A represents the axle of the truck of the sulky-plow in dotted lines. B represents the part of the tongue attached to said axle, and C the tongue proper, to which the horses are hitched by the whiffletrees D and E. The said two parts of the tongue overlap each other in front of the axle A, and are pivoted together at F, in about the middle of said lap and at the point where the evener D is attached. In practice the evener will be attached by the same bolt that forms the pivot F.

G and H represent the stops employed to

limit the swing of tongue C on the pivot F. They consist of short flat bars bolted on part B, under part C of the tongue, with angles I J turned up at the ends. They are located before and behind the pivot F respectively, and the one before the pivot projects from the tongue in the direction the horses take when turning at the corners, while the one behind the pivot projects equally the other way, so that the tongue will be stopped alike by the angles I before and behind the pivot. The angles I are oblique to the bars whereon they are formed, to be parallel to the tongue when it touches them; but the angles J are square to said bars, to be parallel to the tongue when it is in line with part B, and form stops to prevent the tongue from turning to the right hand when the stops are set for allowing it to turn to the left hand. If it be desired to allow the tongue to swing the other way—that is, to the right hand—the stops are shifted lengthwise across the tongue to project in the opposite directions, the angles I being in this case set parallel to the tongue B, which causes angles J to assume the oblique positions to correspond with the tongue C when turned to the right. The said stops are also to be attached centrally to the tongue C by holes L, when the truck is to be used for a cultivator, to allow the tongue lateral play in both directions.

The contrivance is also useful for breaking-plows with which wheels are not used. In that case the part C of the tongue will be pivoted to the beam of the plow in the same manner as it is here represented with the part B. Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a sulky-plow, a tongue composed of the two parts B C, pivoted together, and provided with the stops G H I J, adjustably secured to the stationary part B, substantially as and for the purpose set forth.

THOMAS TROUSDALE HARRISON,

Witnesses:

A. M. YOUNG,
MILES OAKLEY.