

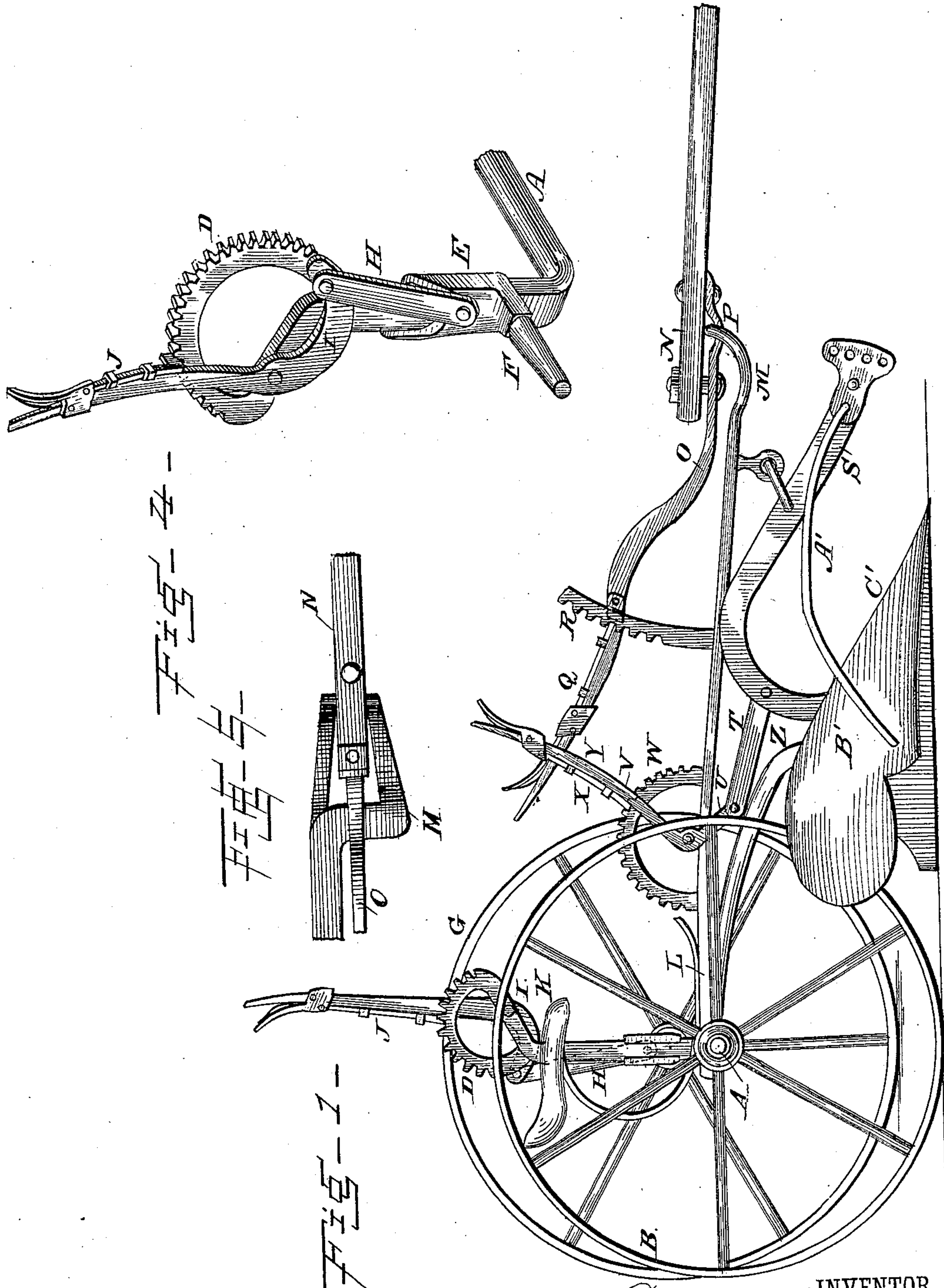
(No Model.)

2 Sheets—Sheet 1.

D. F. TALLMAN.
SULKY PLOW.

No. 303,466.

Patented Aug. 12, 1884.



WITNESSES:

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(No Model.)

2 Sheets—Sheet 2.

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Fig-2-

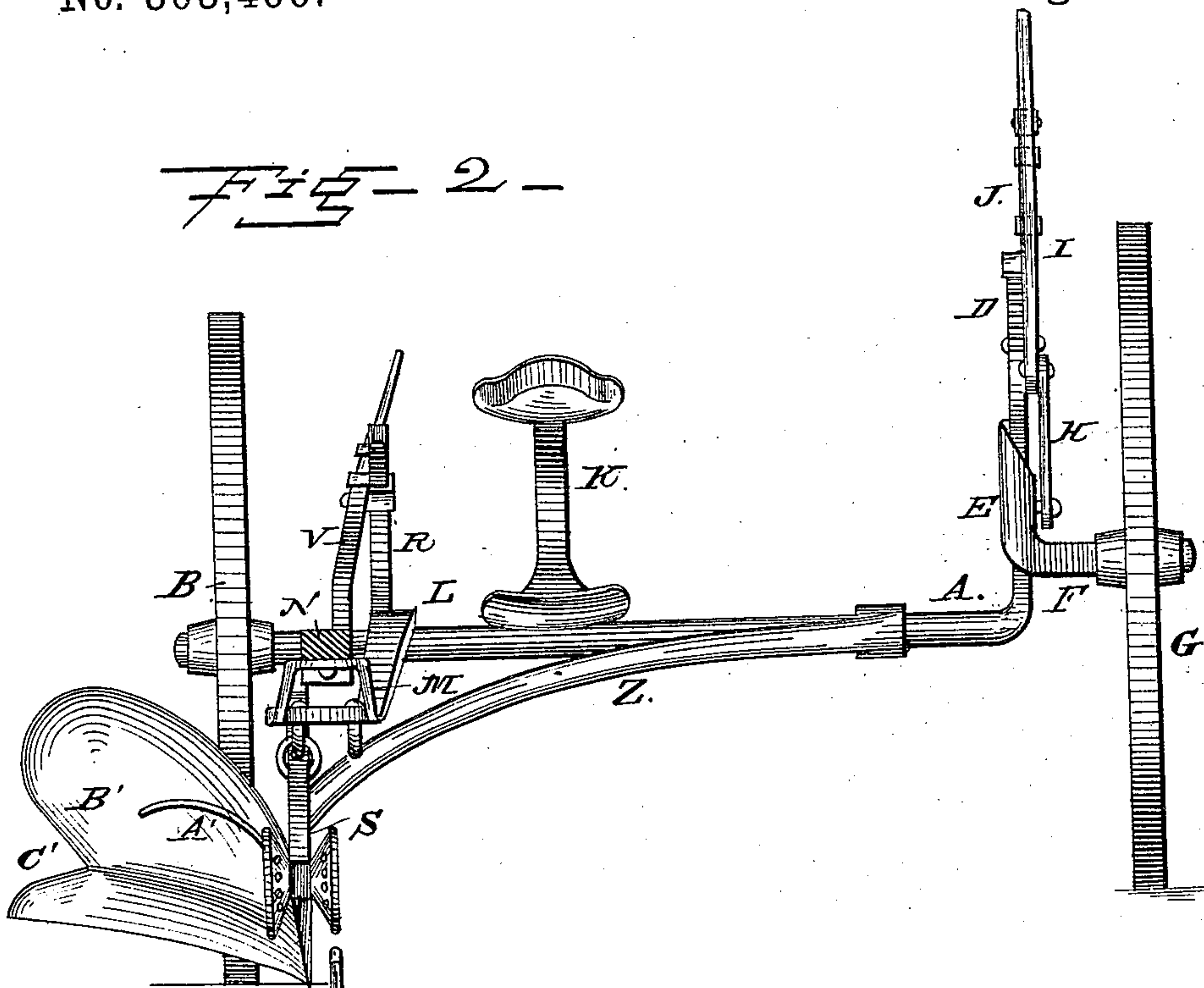
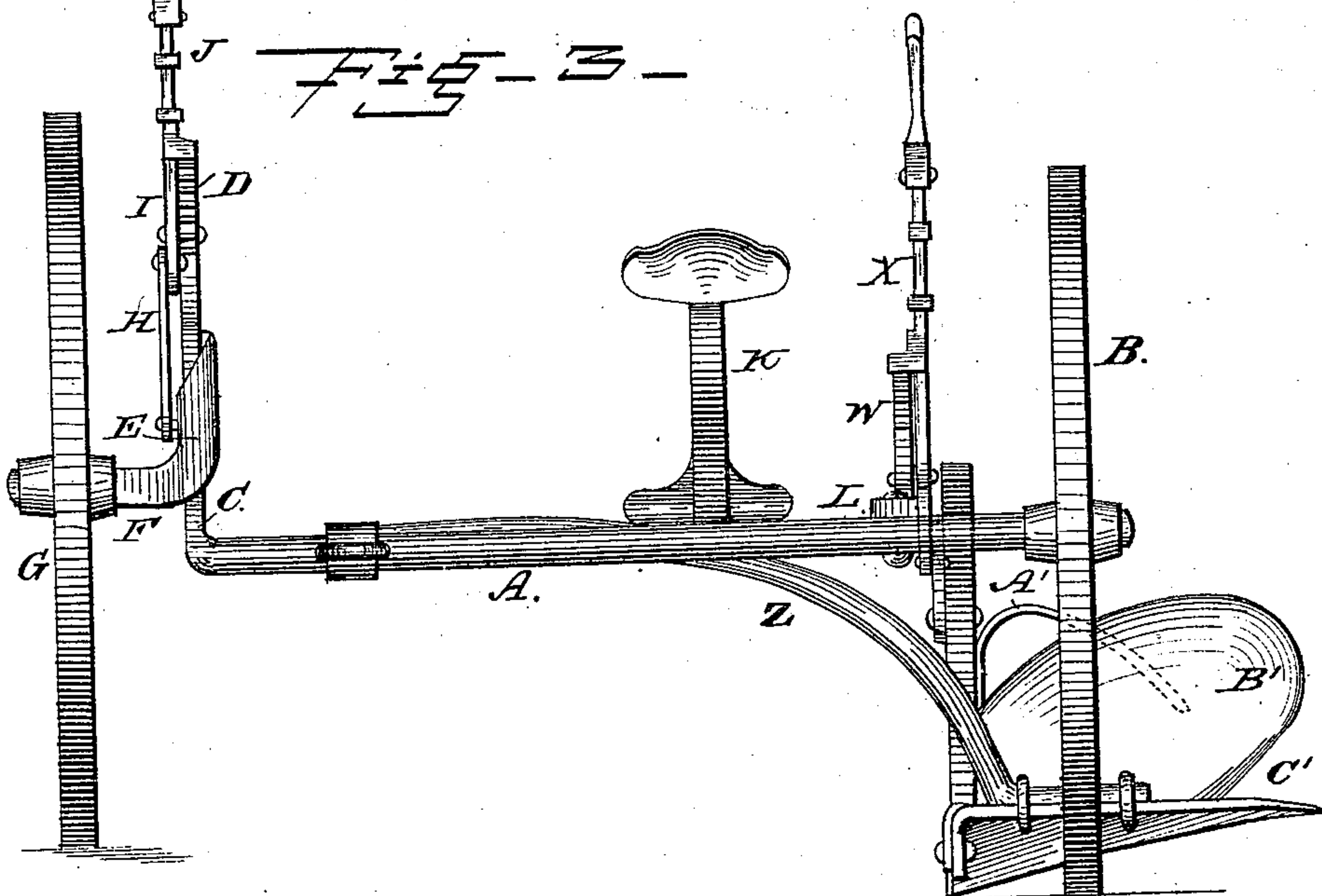


Fig-3-



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UNITED STATES PATENT OFFICE.

DEWANE F. TALLMAN, OF BANCROFT, IOWA.

SULKY-PLOW.

SPECIFICATION forming part of Letters Patent No. 303,466, dated August 12, 1884.

Application filed February 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, DEWANE F. TALLMAN, a citizen of the United States, and a resident of Bancroft, in the county of Kossuth and State of Iowa, have invented certain new and useful Improvements in Sulky-Plows; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of my improved sulky-plow. Fig. 2 is a front view. Fig. 3 is a rear view. Fig. 4 is a detail view of the mechanism for raising and lowering the wheel running upon the land, and Fig. 5 is a detail view of the forward end of the plow-supporting beam and a portion of the tongue and its lever seen from above.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to wheel or sulky plows; and it consists in the improved construction and combination of parts of the mechanism for raising and lowering the plow in the soil, and for raising and lowering its point, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the axle of the plow, one end of which forms the spindle for the wheel B, running in the furrow, while the other end, C, of the axle is bent upward, and provided at its upper end with a cogged or notched segment, D. The inner end, E, of the spindle F, upon which the wheel G, which runs upon the land, is journaled, is flanged and slides upon the upwardly-turned end of the axle, and an arm, H, is hinged or pivoted to the outer side of the sliding portion of the spindle, and is pivoted at its upper end to the rearwardly-bent arm of a lever, I, which is pivoted at the center of the cogged segment, and provided at its long upper arm with a spring-latch, J, which engages the segment.

The seat K of the driver is secured upon the axle, and a forwardly-extending plow-supporting beam, L, is secured at its inner end to the axle, and forms at its forward end an open

frame or loop, M. The rear end of the tongue N, to which the draft is applied, is provided with a rearwardly-extending lever, O, forming a bearing, F, between the under side of the rear end of the tongue and the forward end of the lever, and the said bearing rocks upon the upturned forward end of the frame or loop M, while the inner or rear end of the lever is provided with a spring-lock, Q, which engages a notched or cogged upright segment, R, projecting from the upper side of the plow-supporting beam.

The plow-beam S is hinged or otherwise movably attached with its forward end to the forward end of the plow-supporting beam to the rear of the frame M of the same, and an arm, T, is pivoted at one end to the rear end of the plow-beam at the standard of the same, and is pivoted at its other end to the short arm U of a lever, V, bent at an obtuse or nearly right angle, and pivoted upon the inner portion of the plow-supporting beam near the axle. This lever is provided at its long arm Y with a spring-lock, X, which engages a cogged segment, W, concentric with the fulcrum of the lever, and projecting from the upper side of the plow-supporting beam.

A rod or bar, Z, is hinged at its inner end upon the axle and curved across the front of the same, secured at its outer end to the body of the plow or to the plow-standard, serving to brace the plow and a curved fender, A', is secured to the forward end of the plow-beam, projecting over the mold-board B' of the plow-body C', serving to prevent rubbish from gathering in the bend of the plow-standard and beam.

By tilting the rearmost lever, V, upon the plow-supporting beam toward the rear, the rear end of the plow will be elevated, causing the point of the plow to point downward, and by raising the tongue-lever O the draft upon the tongue will raise the forward end of the plow-supporting beam, while by lowering the said lever the said beam may be lowered, which will raise and lower the plow-beam and plow with it, and in this manner it will be seen that the plow may be raised or lowered in the furrow, and at the same time by moving the rearmost lever the inclination of the point

of the plow may be adjusted, thus enabling the driver, from his seat, to regulate the depth of the furrow.

Having thus described my invention, I claim
5 and desire to secure by Letters Patent of the United States—

1. The combination, in a wheel-plow, of the plow-supporting beam secured at its inner or rear end to the wheel-mounted axle and formed
10 with a loop or open frame at its forward end, the plow suspended from the plow-supporting beam, the upright cogged segment projecting from the upper side of the plow-supporting beam, and the tongue having a rearwardly-
15 projecting lever provided with a spring-latch engaging the cogged segment, and provided with a bearing formed between its rear end and the forward end of the lever, rocking in a

vertical plane upon the forward side of the loop or open frame of the plow-supporting beam, as and for the purpose shown and set forth. 20

2. The combination, in a wheel-plow, of the plow supported in front of the wheels and axle with a curved brace-rod hinged at its rear end
25 to the axle, passing across the front of the axle and wheels, and secured at its forward end to the plow-body, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as
30 my own I have hereunto affixed my signature in presence of two witnesses.

DEWANE F. TALLMAN.

Witnesses:

E. F. CLARK,

DAVID A. ELLIS.