

W. HENRY.  
SULKY-PLOW.

No. 178,523.

Patented June 13, 1876.

Fig. 1.

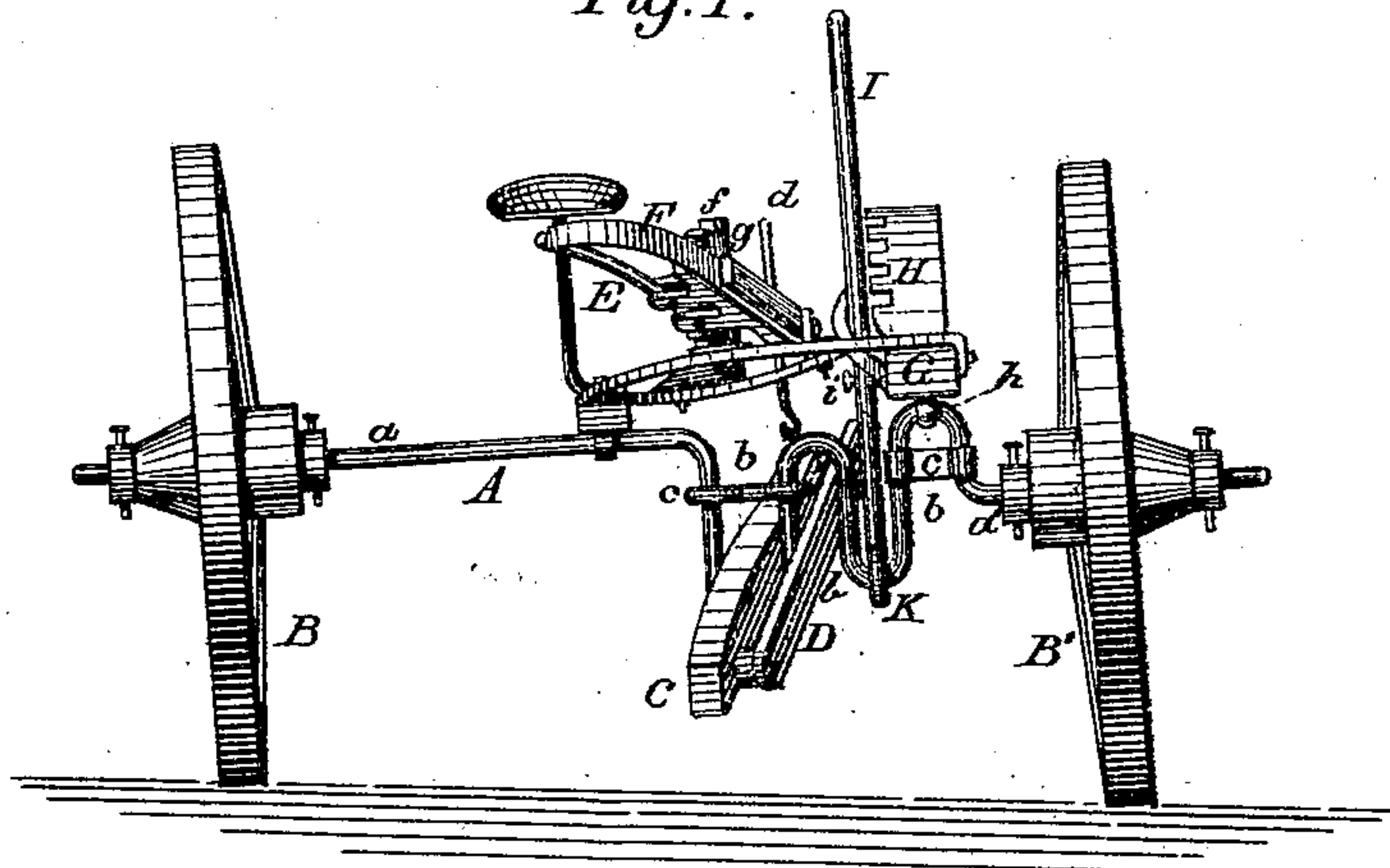
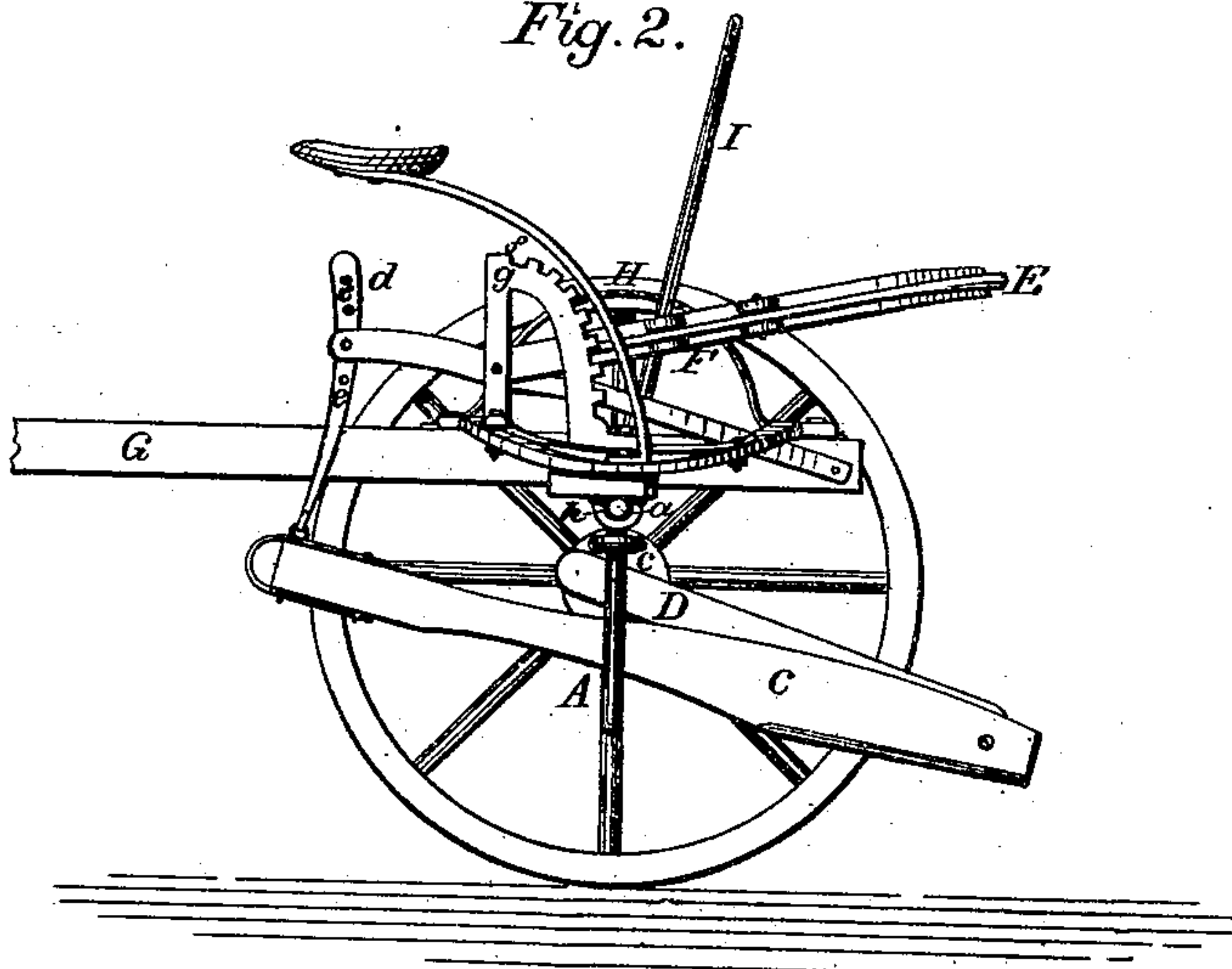


Fig. 2.



Attest:

Wm. Bagges  
C. A. Snow

Inventor:

William Henry  
by Louis Bagges  
his atty.

# UNITED STATES PATENT OFFICE.

WILLIAM HENRY, OF TRENTON, MISSOURI, ASSIGNOR OF ONE-HALF HIS  
RIGHT TO GEORGE W. MOBERLY, OF SAME PLACE.

## IMPROVEMENT IN SULKY-PLOWS.

Specification forming part of Letters Patent No. 178,523, dated June 13, 1876; application filed  
January 13, 1876.

*To all whom it may concern :*

Be it known that I, WILLIAM HENRY, of Trenton, in the county of Grundy and State of Missouri, 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 thereof, 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, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a rear view, and Fig. 2 is a side elevation.

Similar letters of reference indicate corresponding parts.

This invention relates to the construction of frame for sulky-plows; and it consists in the arrangement, construction, and combination of parts, hereinafter more fully shown and described.

In the drawing, A is the axle. This is made of iron, and of the configuration shown in the drawing—that is, bent so as to form a series of slots, *b b*, the bent part being braced by clutches *c c*. One side of the axle *a* is raised above the other *a'*, the effect of this being that the frame, when the wheels B B' are put on, is tilted slightly to one side. Through one of the slots *b* the plow-beam C is passed. To the rear end of this is pivoted a brace, D, the other end of which is pivoted in the slot *b*, adjoining that through which the plow-beam C is passed. To the front end of plow-beam C is pivoted a rod, *d*, having a series of perforations, *e e*. This rod is pivoted to, and operated by, a lever, E, having spring-catch F, that engages with the ratchets *f* of the segment *g*. By means of lever E the front end of the plow-beam can be raised or lowered by the driver, and the plow thus set to any suitable depth in the ground. The tongue G of the sulky is hinged to the axle at *h*. It has a segmental ratchet, H, with which engages a lever, I, pivoted to the axle A at K, and to the tongue G at *i*, at which latter place it has its fulcrum. The function of this lever is to aid in “setting” the plow, and, when necessary, to bring the wheels B B' nearly to a level with each other, this latter operation being easily performed by simply depressing the lever when the position of the axle A in its relation to tongue G is changed.

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

In a sulky attachment for plows, the combination of the cranked axle A, strengthening keeps or clutches *c c*, tongue G, and lever I, whereby the pitch of the axle A may be adjusted at the will of the operator, substantially as and for the purpose hereinbefore set forth.

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

WILLIAM HENRY.

Witnesses:

JAS. E. FULKERSON,  
HUGH S. CARNES.