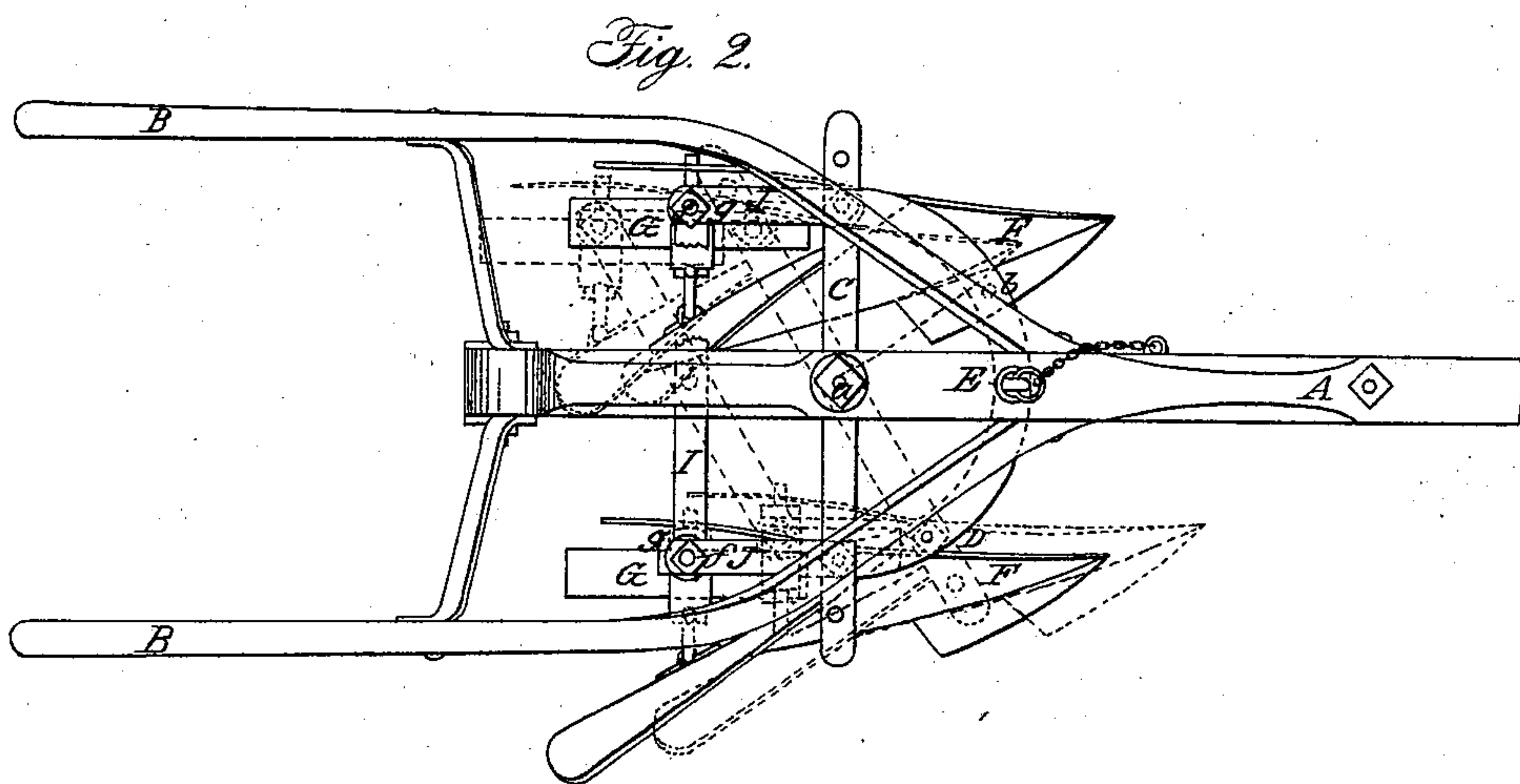
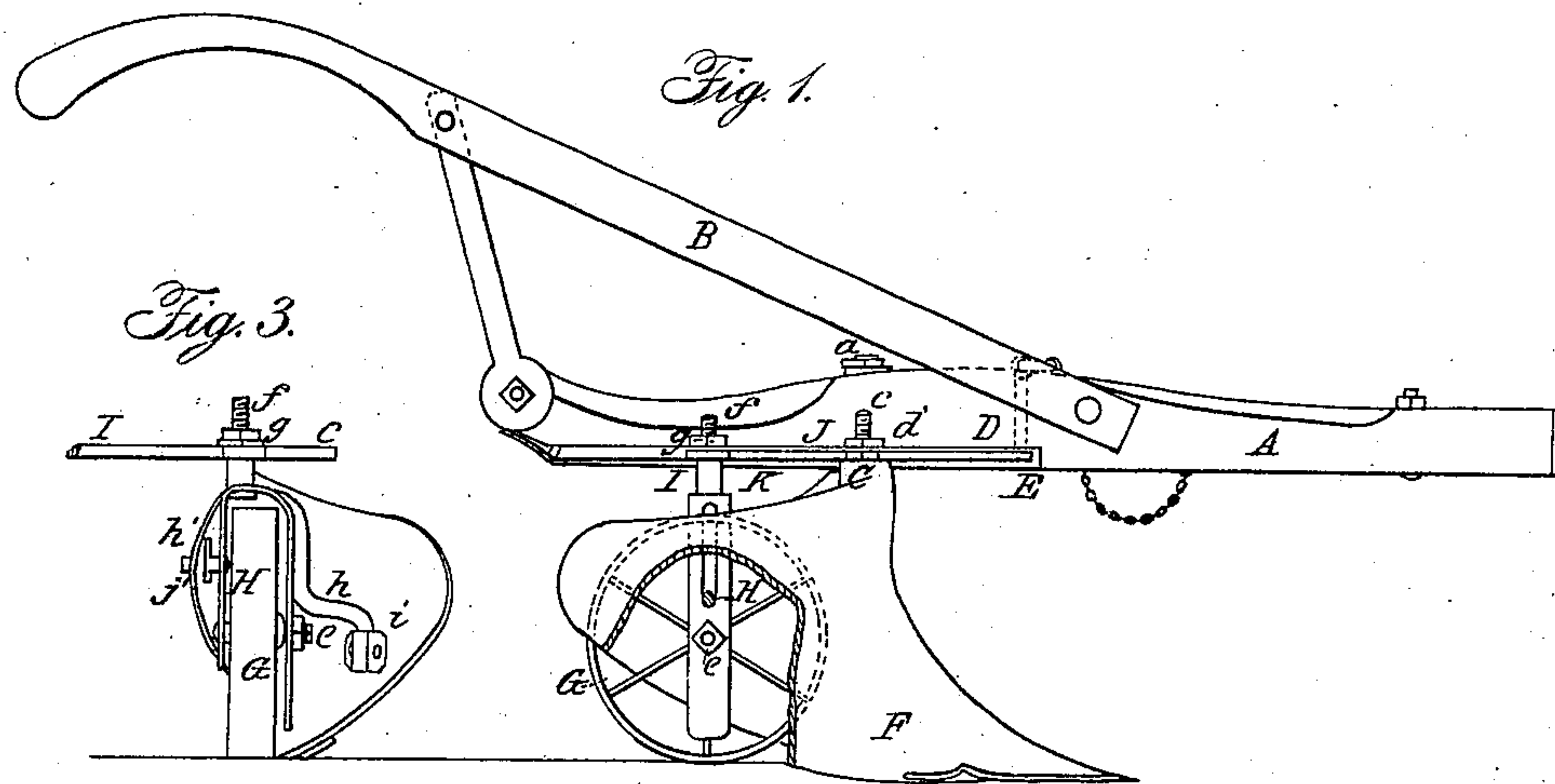


W. HENRY.

Plow.

No. 42,086.

Patented Mar. 29, 1864.



Witnesses:

J. W. Coombs
C. W. Reed

Inventor:

Wm Henry
per Mann Co
attys

UNITED STATES PATENT OFFICE.

WILLIAM HENRY, OF WYOMING, PENNSYLVANIA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 42,086, dated March 29, 1864.

To all whom it may concern:

Be it known that I, WILLIAM HENRY, of Wyoming, in the county of Luzerne and State of Pennsylvania, have invented a new and Improved Gang or Double-Share Plow; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of my invention, partly in section; Fig. 2, a plan or top view of the same; Fig. 3, a back view of one of the plows.

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

This invention consists in attaching two shares or plows to a plow-beam in such a manner that they will be capable of being adjusted at a greater or less distance apart and in line with each other transversely with the plow-beam, or with one share or plow more or less in advance of the other, whereby the device or implement may be adapted to the work designed for it with the greatest facility.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the beam of the plow, and B B the handles. These parts may be constructed in the usual way, and therefore do not require a minute description.

C represents a bar, which is secured to the under side of the beam A by a bolt, *a*, said bolt passing through the center of C, and the latter being allowed to turn freely on bolt *a*. The bar C has a semicircular bar, D, attached to it, the ends of D being at equal distances from the ends of C. The bar D is perforated with holes *b*, through any one of which a bolt, E, passes, said bolt passing through the beam A and securing the bar C either in a position at right angles with the beam or in a more or less oblique position with it.

F F are two plows, each of which has a vertical rod, *c*, attached to it at the upper and front part of its mold-board. These rods *c* pass through holes in the bar C, and they have screws cut on their upper ends, on which nuts *d* are fitted, and by screwing up which the plows are secured to the bar C. The plows F F are not provided with the ordinary landsides, which bear heavily upon the bottoms of the furrows and occasion considerable friction. Instead of landsides, I employ wheels G, one at the rear of each plow. These wheels G have

their axles *e* fitted in yokes or forked frames H, the upper ends of which have each a vertical rod, *f*, attached, said rods passing up through a bar, I, one near each end of it, and also passing through the back ends of bars J J, the frontends of which are fitted on the rods *c* of the plows F. The upper parts of the rods *f* have screw-threads cut on them to receive nuts *g*, which nuts, as well as those *d* of the rods *c*, bear upon the bars J.

The yokes or frames H are provided with arms *h h'*, one at each side, and one of these arms, *h*, is bent or curved downward at its outer part to fit into a socket, *i*, at the inner surface of the right-hand side of each plow, and the other arms, *h'*, pass through slots *j* in the left-hand side of the plow. By this arrangement the back parts of the plows may be more or less elevated to cause furrows of greater or less depth to be made, as desired, washers being placed on the rods *f* underneath the bar I, for the purpose of tilting or inclining the front ends of the plows downward, the arms *h h'*, in consequence of fitting in the sockets *i* and slots *j*, admitting of this inclining of the plows. A metal plate, H, is fitted underneath the bars C D I and attached to the beam, to serve as a support for said bars. By this arrangement it will be seen that by adjusting the bar C the two plows F F may be placed in line with each other in a transverse direction of the beam A, or be placed one in advance of the other, as the nature of the work may require, the bolt E, in consequence of passing through the semicircular bar D, securing the bar C in the desired position, the plows F F being retained in position or prevented from turning out of parallel with the beam A by screwing up the nuts *d g* on the rods *c f*.

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

The two plows F F, attached to the adjustable bar C, which is fitted in the beam A, and *h* is a perforated semicircular bar, D, attached to it through which a bolt, E, passes, in connection with the wheels G and bar I, the latter being connected with the bar C by the bars J J, and all arranged substantially as and for the purpose herein set forth.

WILLIAM HENRY.

Witnesses:

HENRY WOODHOUSE,
MARIA P. WOODHOUSE.