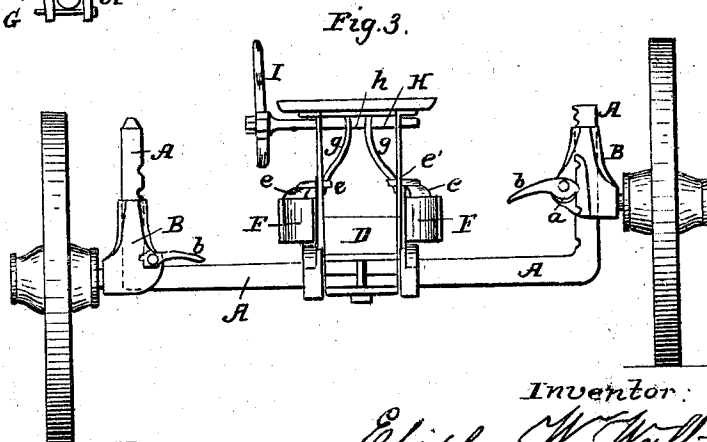
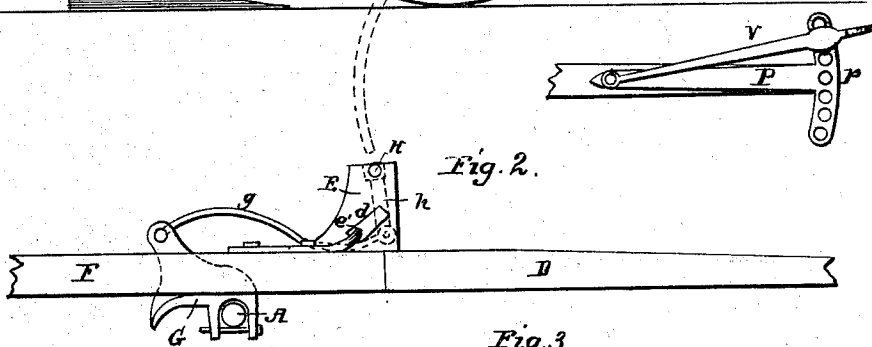
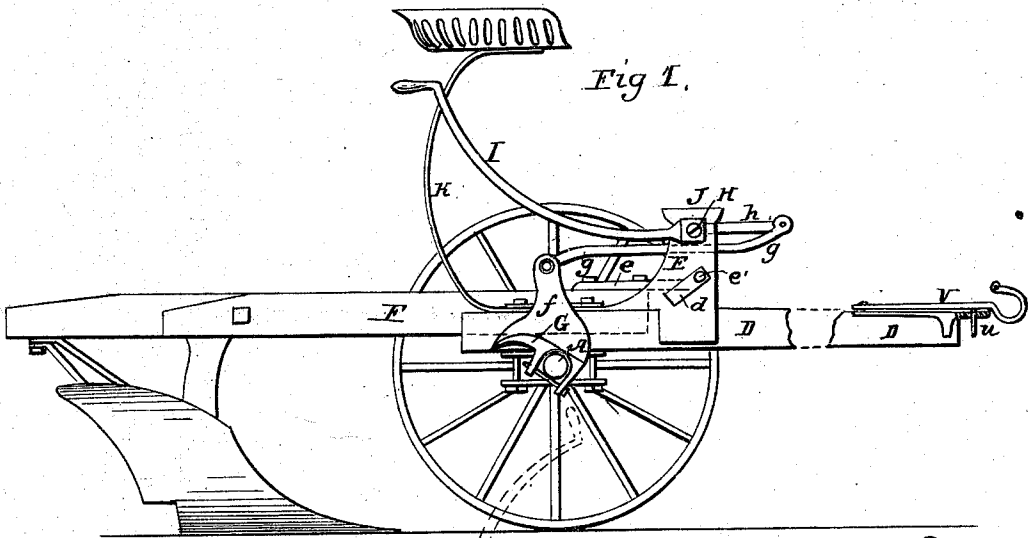


E. W. WALTON.

Gang Plow.

No. 105,528.

Patented July 19, 1870.



Witnesses:

*E. H. ...
Wm. Gerlach*

Inventor:

Elisha W. Walton

UNITED STATES PATENT OFFICE.

ELISHA W. WALTON, OF SAN LEANDRO, CALIFORNIA.

IMPROVEMENT IN GANG-PLOWS.

Specification forming part of Letters Patent No. **105,528**, dated July 19, 1870.

To all whom it may concern:

Be it known that I, ELISHA W. WALTON, of San Leandro, county of Alameda, State of California, have invented an Improved Gang-Plow; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

My invention relates to an improved construction of gang-plows, and more particularly to that class in which the plows are attached to a frame which is connected with the trucks, and by raising and lowering which upon the bar which connects the two wheels the plows are dropped, so as to enter the ground, or elevated above it, as desired.

In order to fully describe my invention reference is had to the accompanying drawings, forming a part of this specification, in which—

A represents a metal bar, which has its opposite ends bent, so as to stand at right angles to the main length of the bar.

The axles upon which the wheels revolve have each formed upon one end a standard, B, which stands at right angles to them. This standard is hollow, forming a square socket, which fits over the upright ends of the bar A. On the inner side of this socket is secured a cam or eccentric bar, *a*, which is operated by a short lever, *b*, and by setting the sliding standard B and turning the eccentric by means of the lever *b* until it binds against the bent ends of the axle the wheels are adjusted for plowing.

On each side of the pole D, and directly in front of the bar A, are fixed two metal plates, E, having each an angular slot, *d*.

The plow-frame F is placed upon the bar A, so that its front end will rest upon it, and it has secured to the end of each of the timbers a metal plate, *e*, the end of which is formed into a projecting pin, *e'*, which stands at right angles to the plate *e*, entering the angular slots *d*, and by this means keeps the frame to its place.

Secured to the bar A, underneath the tim-

bers of the frame, are two cams, G, from which extend two arms, *f*, passing up on each side of the pole D, inside of the timbers of the frame. To the upper ends of these arms are attached rods *g*, which extend forward between the plates E, where they are loosely attached to the arm *h* of the shaft H, which bears in the upper end of the plates E, and is operated by the hand-lever or sweep I.

The foot-rest J is secured upon the top of the plates E, while the springs K, to which the seat is attached, is secured to the rear end of the pole.

When the lever or sweep I is thrown forward the pins *e* rest in the lower part of the angular slot *d*, thus allowing the frame to rest upon the bar A and lowering the plows into the ground; but when the lever is thrown back the cams G raise the frame until the pins *e* are lifted to the upper ends of the slots *d*, thus elevating the plows out of the ground.

The clevis consists of a T-shaped piece of metal, P, attached to the end of the pole, so that the upper or transverse bar, *p*, will stand at right angles to the pole. The bar *p* is provided with a number of small holes, as shown.

A movable bar, V, is pivoted to the pole, and has a small pin, *u*, depending from it in the proper position to enter the holes in the transverse bar *p*. The end of the bar V is formed into a hook suitable for hitching to. By moving this bar so that the pin *u* shall enter the holes at either side the plows can be made to take more or less land, as desired.

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

The device for elevating and lowering the plow-frame, consisting of the slotted plates E, the plates *e*, and the cams G, with their arms *f* and rods *g*, said rods being attached to the arm *h* of the shaft H, and the whole operated by the sweep I, substantially as described.

In witness whereof I have hereunto set my hand and seal.

ELISHA W. WALTON. [L. S.]

Witnesses:

E. H. DYER,
WM. GERLACH.