

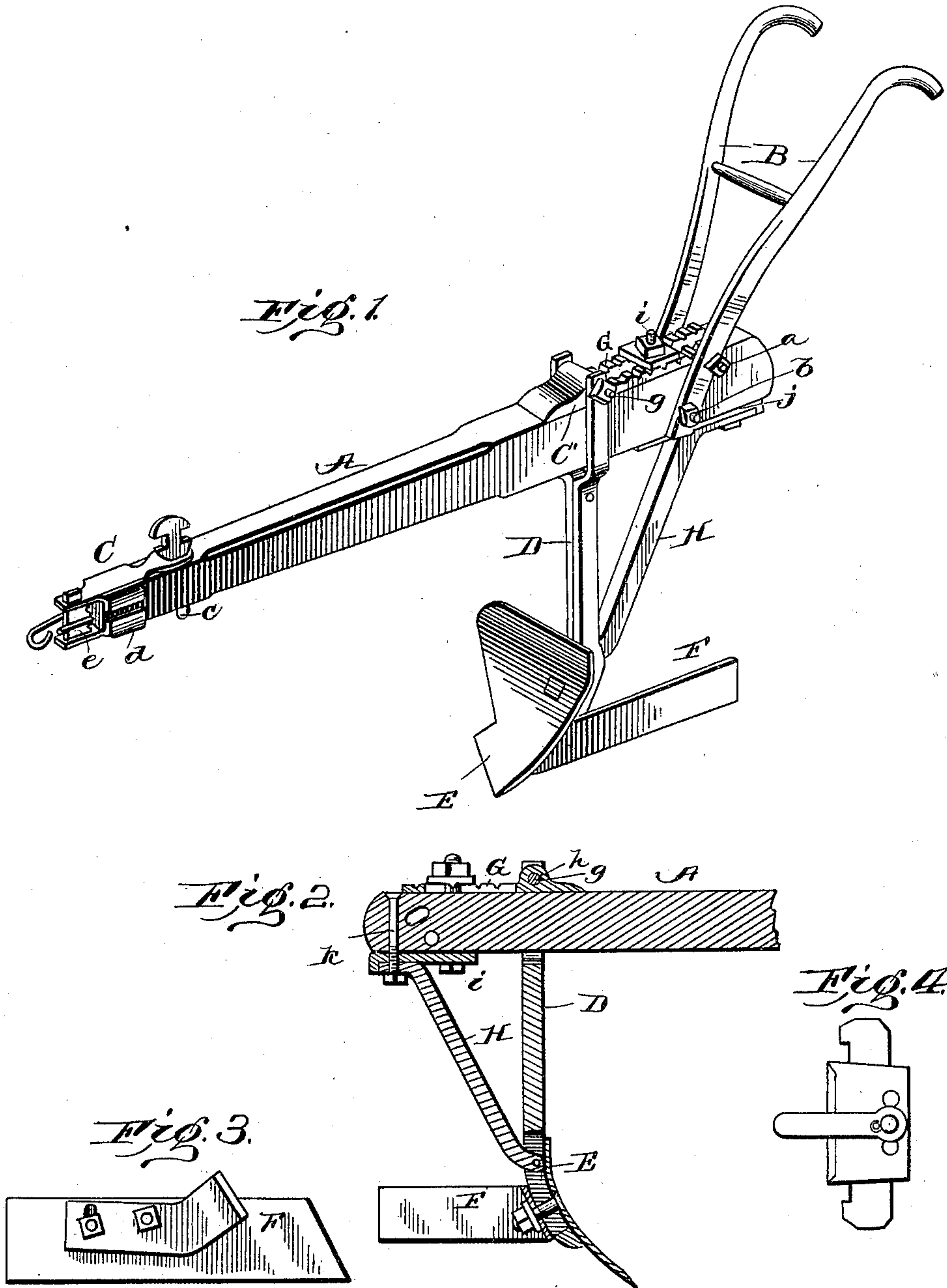
No. 672,386.

Patented Apr. 16, 1901.

W. O. MORTON.
PLOW.

(Application filed Feb. 14, 1900.)

(No Model.)



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UNITED STATES PATENT OFFICE.

WILLIAM O. MORTON, OF WESTON, GEORGIA, ASSIGNOR OF ONE-HALF TO
FRANKLIN M. MORTON, OF SAME PLACE.

PLOW.

SPECIFICATION forming part of Letters Patent No. 672,386, dated April 16, 1901.

Application filed February 14, 1900. Serial No. 5,209. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM O. MORTON, a citizen of the United States of America, residing at Weston, in the county of Webster and State of Georgia, have invented certain new and useful Improvements in Plows, of which the following is a specification.

My invention relates to that class of plows in which the plowshare is attached to a standard connected at its upper end to the beam, so that the standard can be adjusted along the latter in order to increase or decrease the penetration of the plowshare, so as to plow shallow or deep, as may be desired.

With this object in view my invention consists in certain novel features, the particular construction of the various parts, and the manner of combination and arrangement of said parts, all of which will be described hereinafter, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of a plow embodying my invention. Fig. 2 is a sectional view of a portion of the plow. Fig. 3 is a detail view of the landside. Fig. 4 is a modified form of the clevis.

Referring by letters to the drawings, A represents the beam, having secured approximately near its rear end by the bolts *a* and *b* the handle B and to its front end by the bolt *c* a clevis C, which is formed in two parts, each having flanges *d*, adapted to clamp the sides of the beam, and a slot in their free ends adapted to receive a bar provided with a series of holes or notches *e*, to which a double or single tree may be secured. The standard D, to which the plowshare E and the landside F are secured, consists of two flat metal strips riveted or otherwise secured together and so bent at their upper ends as to form a U-shaped yoke adapted to embrace the beam and to slide freely thereon. This yoke is provided in its free ends with oppositely-disposed apertures adapted to receive a bolt *g*, which passes through the aperture *h* in a metal plate G, interposed between the link and resting upon the top of the beam. The plate G is provided with a ratchet upon its upper surface and a longitudinal slot therein adapted to receive a bolt *i*, which passes through the beam and is provided with a nut

and a washer upon the top thereof, the said washer having a lug adapted to engage the ratchet, thus securing the plate in any desired position and similarly affecting the standard secured thereto, thereby adjusting the plowshare in such a manner as to increase or decrease the penetration thereof. The lower end of the standard is bent toward the front end of the beam and is provided with a slot, in the upper end of which is pivotally secured the brace-bar H, consisting of a bar having its upper end bent parallel with respect to the beam and resting on a plate *j*, which is provided with a shoulder adapted to engage the end of the bar, the plate and bar being held in position by a bolt *k*, which passes through the beam.

The plowshare may be of any desired construction adapted to be secured to the front of the standard by a bolt which passes through the slot therein and secures the landside to the opposite side. This landside consists of a flat metal plate having an adjustable arm secured thereto, extending at right angles with respect to the plate and oblique with respect to the sides thereof, as most clearly shown in Figs. 2 and 3. The arm is provided with a longitudinal slot for adjusting the landside and securing the same to the standard.

While I have shown and described my improved standard as being constructed of two parts, I do not limit myself to such construction, as a solid bar, such as is shown in Fig. 3, may be used without materially altering the construction or affecting the operation of my invention.

It will thus be seen that I provide a device which is simple in its construction, easily operated, and one that will efficiently perform all of its intended functions.

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

1. In an adjustable plow, the combination of a standard having a yoke adapted to slide freely upon the beam, said yoke provided with a flat plate pivoted therein, of the plate resting upon the top of the beam and provided with a ratchet upon its upper surface, of a longitudinal slot in the said plate adapted to receive a bolt, the said bolt having a nut

and a washer, the said washer provided with
a lug, substantially as shown and described.
2. In a plow, a standard having a yoke ad-
justable upon the beam, of a ratchet-plate
5 pivoted in the said yoke, the said plate rest-
ing upon the top of the beam, of a longitudi-
nal slot in the plate, and a bolt passing through
the said beam and slot, the said bolt having
a nut and a washer, of a lug upon the washer
10 adapted to engage the ratchet, the free end

of the said standard being bent and slotted,
of a brace-rod pivotally secured in the upper
end of the said slot and braced to the beam, of
an adjustable landside and plowshare mount-
ed upon the slotted end of the standard, sub- 15
stantially as shown and described.

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