A. E. JESTER.

PLOW.

No. 176,138. Patented April 18, 1876.

Fig 1

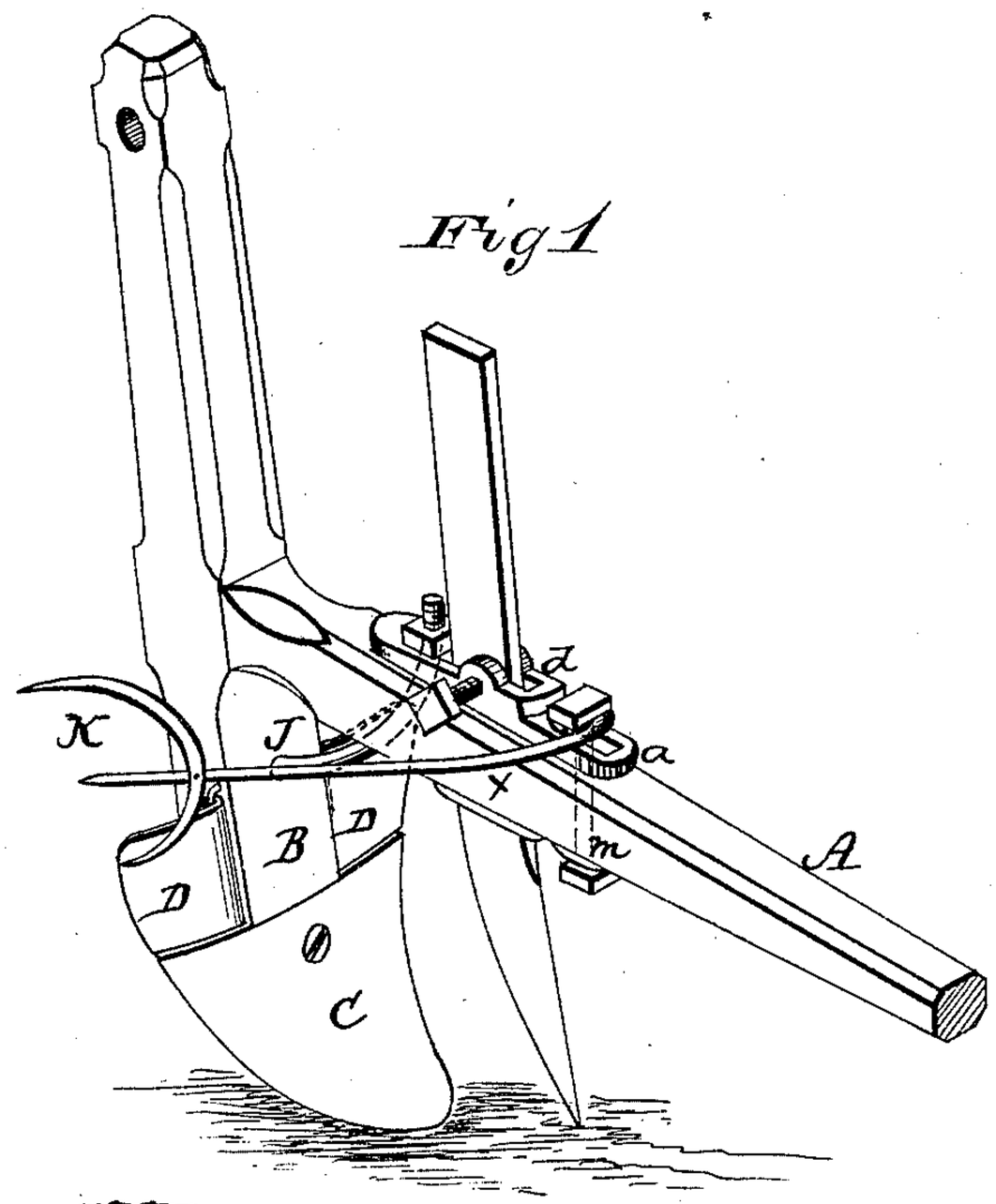


Fig 3

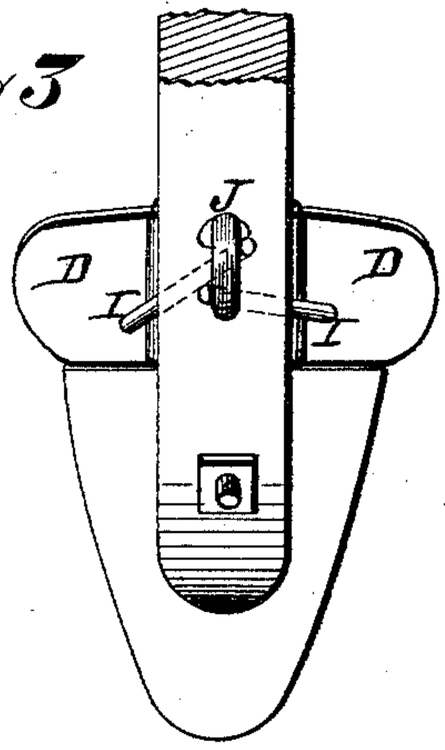
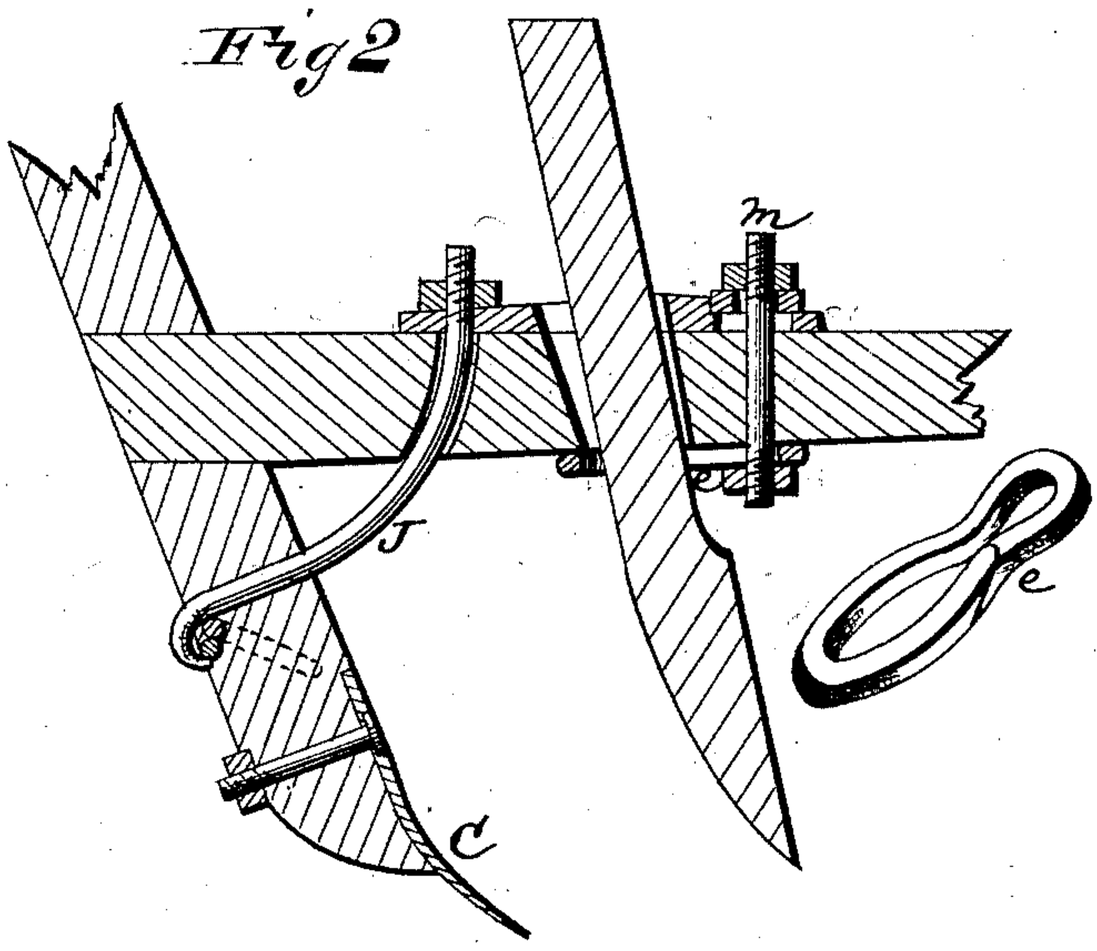


Fig 2



WITNESSES

Franck L. Durand

C. L. Ewert.

By

INVENTOR

A. E. Jester

Alexander Mason

Attorney.

UNITED STATES PATENT OFFICE.

ANDREW E. JESTER, OF JACKSON, TENNESSEE.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **176,138**, dated April 18, 1876; application filed September 14, 1875.

To all whom it may concern:

Be it known that I, ANDREW E. JESTER, of Jackson, in the county of Madison and in the State of Tennessee, have invented certain new and useful Improvements in Plows; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the mode of securing the cutter and the mode of regulating the wings of the plow, all of which will be hereinafter more fully set forth.

In the annexed drawing, making part of this specification, Figure 1 represents a perspective view; Fig. 2, a longitudinal section, and Fig. 3 a back view of the plow foot and wings.

In the figures, A represents the beam, and B the foot, of a shovel-plow. To the foot B is attached and secured permanently the shovel C. Just above the upper edge of the shovel C are two wings, D D, which are hinged at their inner ends to the foot B. I I represent two bars or bolts, which pass through from the back of the foot, and whose forward ends rest against the back of the wings and support them in any position it may be necessary to place them. These two bolts I I are caught under the head of the curved brace J, which passes through the foot, and then through the beam, in order to more securely connect them together.

To vary the angle of the wings, to make the plow cut a larger or smaller furrow, it is only necessary to loosen up the nut on brace J, draw back or push up the bars I I to strike against the back of the wings, and then tighten up the brace J again, so as to hold them firmly in place.

Upon top of the beam are placed two slotted metallic plates, *a* and *d*, and on the under side of the beam is a metallic loop or plate, *e*. The cutter or colter passes through the slots in these plates, and is by them held securely in the position it is desired to be held, without wedges or wear and tear on the wood of the beam. These plates are securely held in place on the beam by means of suitable bolts, which pass through for that purpose; and by changing them, or moving them forward or backward, the angle or inclination of the cutter can be changed, as also its distance to or from the foot B.

K represents a three or four pronged fender, which is formed on the end of a rod, *x*. This rod is secured to the beam by a suitable bolt. This fender reaches back behind the wings D, and serves to protect the tender plants which are being plowed from the falling of heavy clods, while it allows the light earth to pass between its prongs and drop about the plants.

The fender is easily adjusted to its desired position by means of the bolt which confines it to the beam.

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

1. The wings D D, hinged to the plow-standard, the bars I I, and brace J, in combination with the foot B and its shovel-blade, as and for the purpose set forth.

2. The slotted plate *a d*, set-screw *b*, and the plate or loop *e*, in combination with the beam, for holding and adjusting the cutter, as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of August, 1875.

A. E. JESTER.

Witnesses:
L. T. LINDSEY,
D. W. HUGHES.