

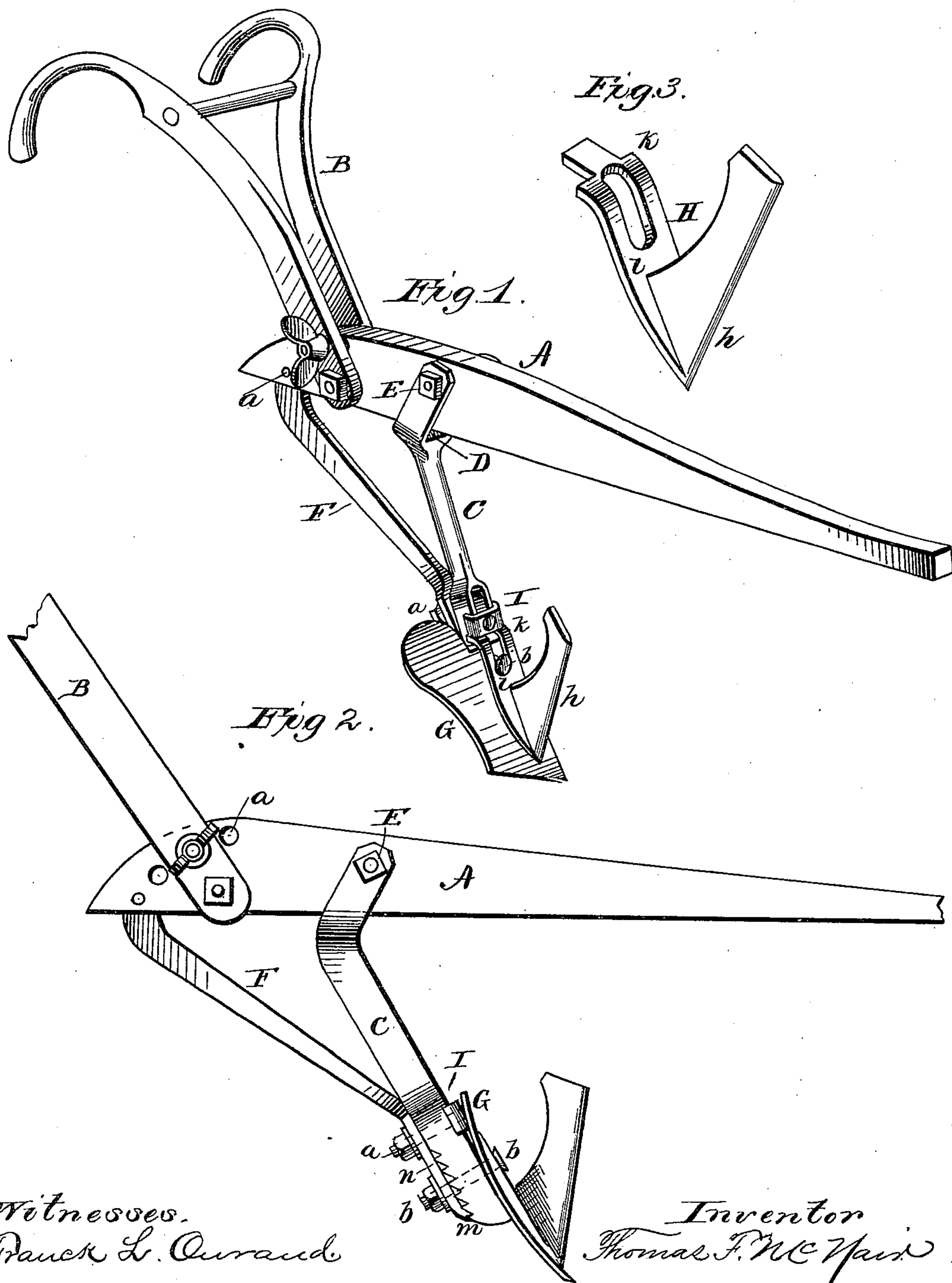
(Model.)

T. F. McNAIR.

PLOW.

No. 248,773.

Patented Oct. 25, 1881.



Witnesses.
Frank L. Curran
J. J. McCarthy.

Inventor
Thomas F. McNair
By Alexander Mason
Attorneys

UNITED STATES PATENT OFFICE.

THOMAS F. McNAIR, OF DAWSON, GEORGIA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 248,773, dated October 25, 1881.

Application filed April 6, 1881. (Model.)

To all whom it may concern:

Be it known that I, THOMAS F. McNAIR, of Dawson, in the county of Terrell and State of Georgia, have invented certain new and useful
5 Improvements in Plows; and I 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
10 this specification.

This invention relates to certain improvements in plows; and it has for its objects to provide certain means whereby the several parts of the plow—such as the standard, root-
15 cutter, plow shovel or blade, and handles—may be adjusted with respect to each other, as more fully hereinafter specified. These objects I attain by the apparatus and mechanism illustrated in the accompanying drawings, in
20 which—

Figure 1 represents my improved plow complete, in perspective. Fig. 2 represents a side elevation of my plow, and Fig. 3 represents a detached perspective view of the root-cutter.

25 In the drawings, the letter A indicates the plow-beam, which may be of any desired construction; and B indicates the handles, which in their general features are constructed in the ordinary manner.

30 The rear portion of the beam is provided with a series of apertures, *a*, through which a bolt passes with a thumb-screw upon one end for the purpose of assisting in securing the handles in place and regulating the adjustment of
35 the same. The handles are pivoted to a bolt at their lower ends, which passes through the beam. By means of the upper bolt the handles may be adjusted to suit the height of the operator.

40 The letter C indicates the standard, which is composed of a single bar of metal bifurcated, as indicated by the letter D, at its upper end, so as to embrace the beam to which it is secured by means of the bolt E.

The letter F indicates a brace, which is either 45 hinged or bolted to the underside of the rear end of the beam, its lower end being slotted longitudinally and connected by adjusting-bolts *a* *b* to the standard. The said standard is slotted at its lower end for the passage of the ad- 50 justing-bolts.

The letter G indicates the plow blade or shovel, which is connected to the standard by means of the bolt *b*.

The letter H indicates the root-cutter, which 55 consists of an upright knife, *h*, provided with a broad base, *i*, which is slotted at its upper end and bent backward, as indicated by the letter *k*. This cutter is secured to the face of the shovel by the lower bolt, *b*, which passes 60 through it. The upper bolt, *a*, passes through an adjustable clamp, I, by which the brace is clamped to the standard in connection with the bolt *b*. The lower end of the brace is bent forward, as indicated by the letter *m*, and is 65 adapted to engage either of a series of teeth, *n*, on the rear of the standard and give security to the connections when adjusted.

It will be seen from the above that the parts may be readily adjusted to any desired posi- 70 tion, as may be required.

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

In combination with the standard and the 75 brace, pivoted to the plow-beam and slotted at their lower ends, the plow-shovel and root-cutter, constructed as described, and adjustably secured to the standard by the lower bolt, which secures the standard and brace, sub- 80 stantially as and for the purposes specified.

In testimony that I claim the foregoing, I have hereunto set my hand this 25th day of January, 1881.

T. F. McNAIR.

Witnesses:

J. C. F. CLARK,
H. S. BELL.