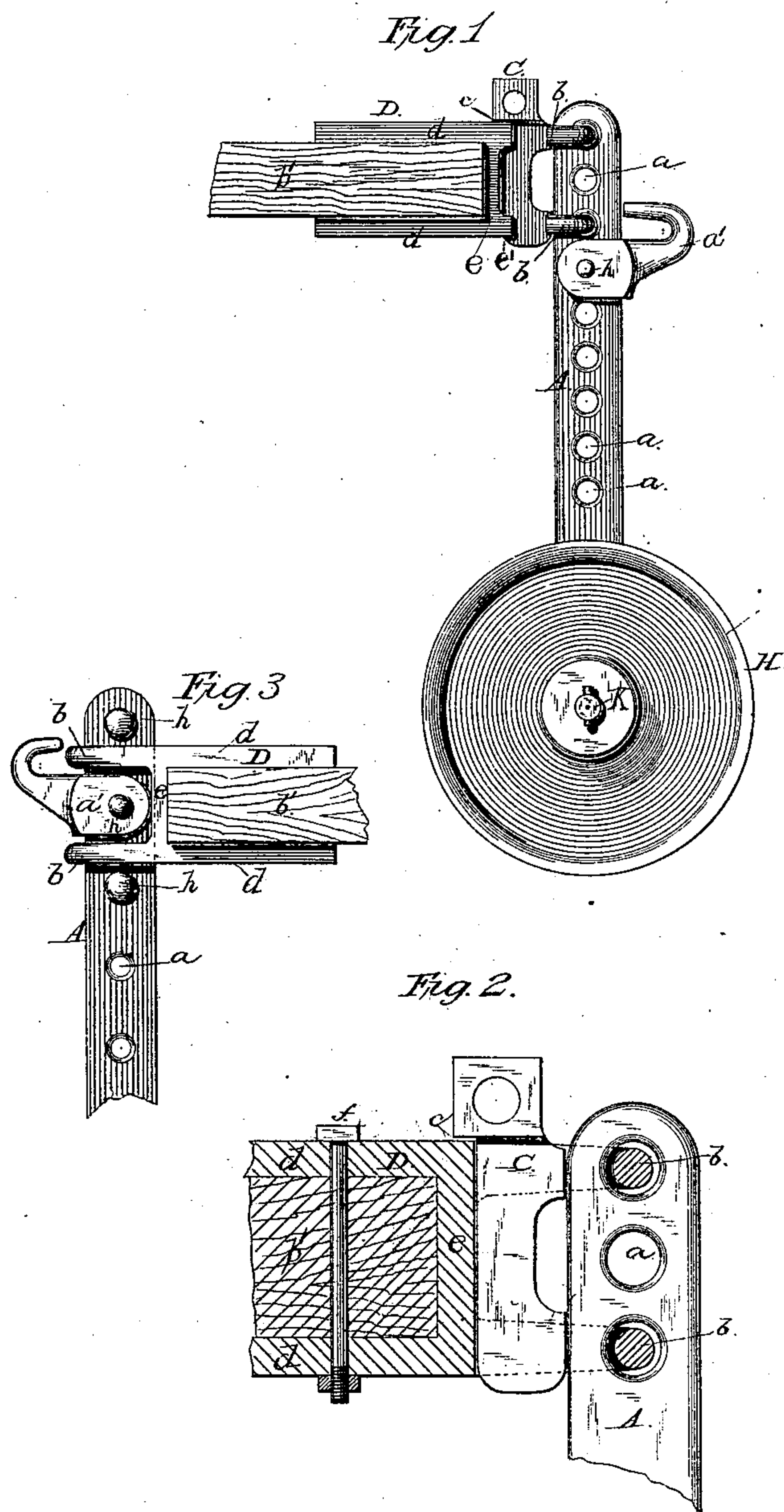


E. R. McCALL.
Plow Attachment.

No. 226,667.

Patented April 20, 1880.



Attest:
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UNITED STATES PATENT OFFICE.

EDWIN R. McCALL, OF LOCKPORT, NEW YORK.

PLOW ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 226,667, dated April 20, 1880.

Application filed October 21, 1879.

To all whom it may concern:

Be it known that I, EDWIN R. McCALL, of Lockport, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Plow Attachments; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to certain improvements in clevis and wheel attachments for plows, cultivators, and other such like agricultural implements; and it consists in the perforated vertical standard A, supported by the axle of wheel K, in connection with the clevis D, having links *b b* and key C, and in the combination and arrangement of the parts, as hereinafter more fully described.

In the drawings, Figure 1 is a side elevation of my invention. Fig. 2 is an enlarged view, showing key C; and Fig. 3 is a modification thereof, showing a dissimilar arrangement of the same parts.

My invention is designed as a means of varying the distance of the wheel from the beam by changing the relative position of the standard to the clevis, and also to elevate or lower the plows or teeth to suit the character of the work.

In ordinary practice it is important to bring the standard which supports the wheel directly under the extreme front end of the beam, thereby preventing such leverage as often tends to throw the plow out of the earth when the wheel is located or attached at a point in the rear of the front end of the beam.

The arrangement of the standard to swing freely in the beam-clevis as directed by the draft is also an important advantage, since it prevents the wheel from scraping in the earth or rut at the moment of turning around to reverse or change its direction.

A represents a standard (which may be made flat or tubular) provided with the orifices *a a*, and secured at its lower end to the axle K of wheel H, and having bolted thereto

the adjustable draft-hook *a'*. This adjustable draft-hook may be bolted in either of said orifices of the standard A at a greater or less altitude, and thus the draft-force be adjusted and adapted to suit the character of the work.

The standard is secured in position by the links *b b* of the clevis D and key C, or by transverse bolts *h h*, and is constructed with relation to the interior conformation of said links in order that it may be located in the recess formed therein, as shown in Fig. 3, when desirable to advance the wheel H nearer to the beam.

The links *b b* may be cast solid with the beam-plates and attached respectively to the upper and lower sides of the beam.

The said standard, when inserted in the recess formed by the hooks *b b*, is, by reason of the conformation of the parts, as aforesaid, free to swing as directed by the draft-force, and the mechanical expedient of transverse bolts *h h* may be employed to retain it in position at the desired elevation.

The clevis D is perforated, as shown, for reception of bolts *f*, one of which is shown in Fig. 2, the other being comprised in the part of the drawings which is broken away. It is composed of the longitudinal plates *d d* for claspings the beam, united by the vertical part *e*, wherein is provided a vertical slot, *e'*, for reception of the key C, and projecting horizontally therefrom are the links *b b*, as aforesaid.

The key C is adapted to slide in the slot of the clevis, and is provided with the shoulder *c*, which rests upon the plate *d* and retains it in position.

What I claim is—

The clevis D, with vertical slot *e'* and hooks *b b*, in combination with key C, having shoulder *c*, and standard A, with orifices *a a* and hook *a'*, substantially as shown and described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

EDWIN R. McCALL.

Witnesses:

LAFAYETTE BALCOM,
R. V. BURGESS.