

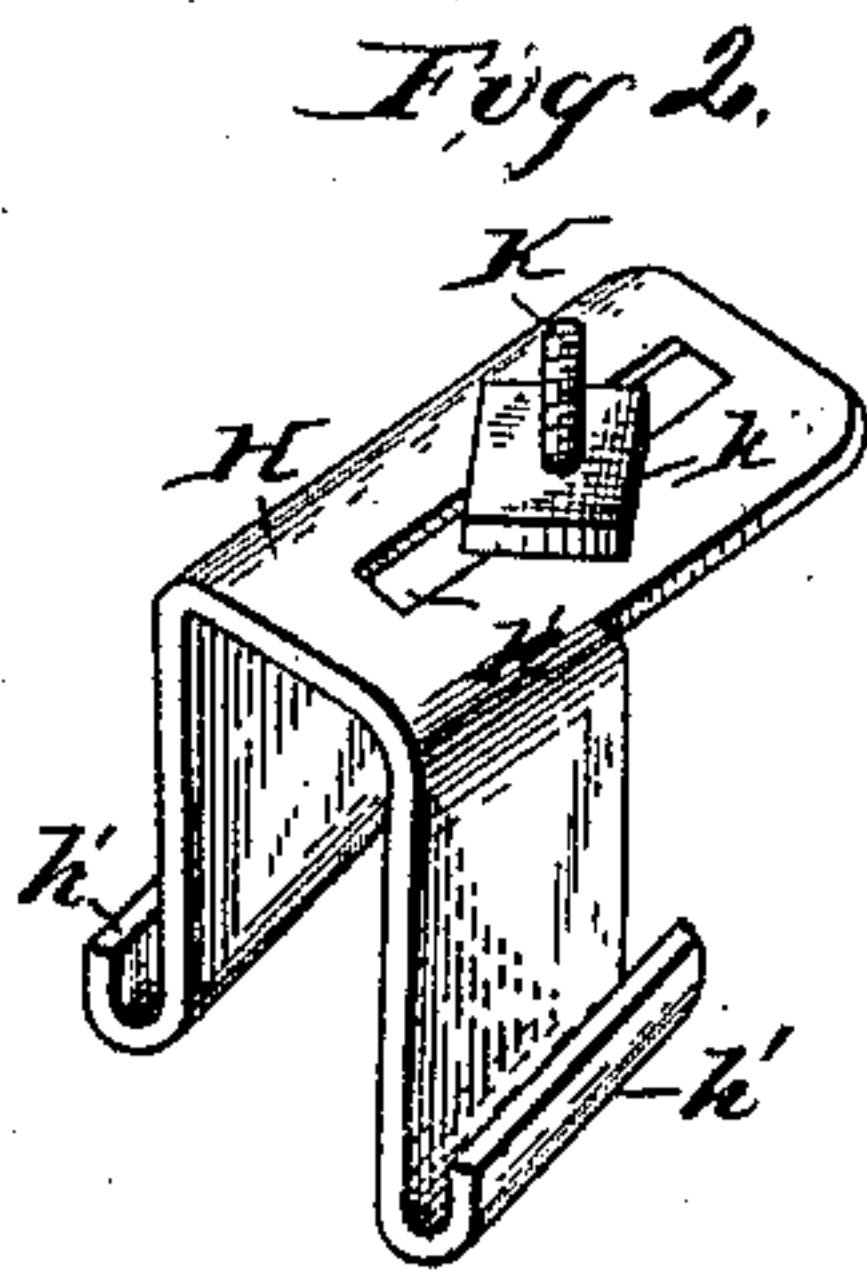
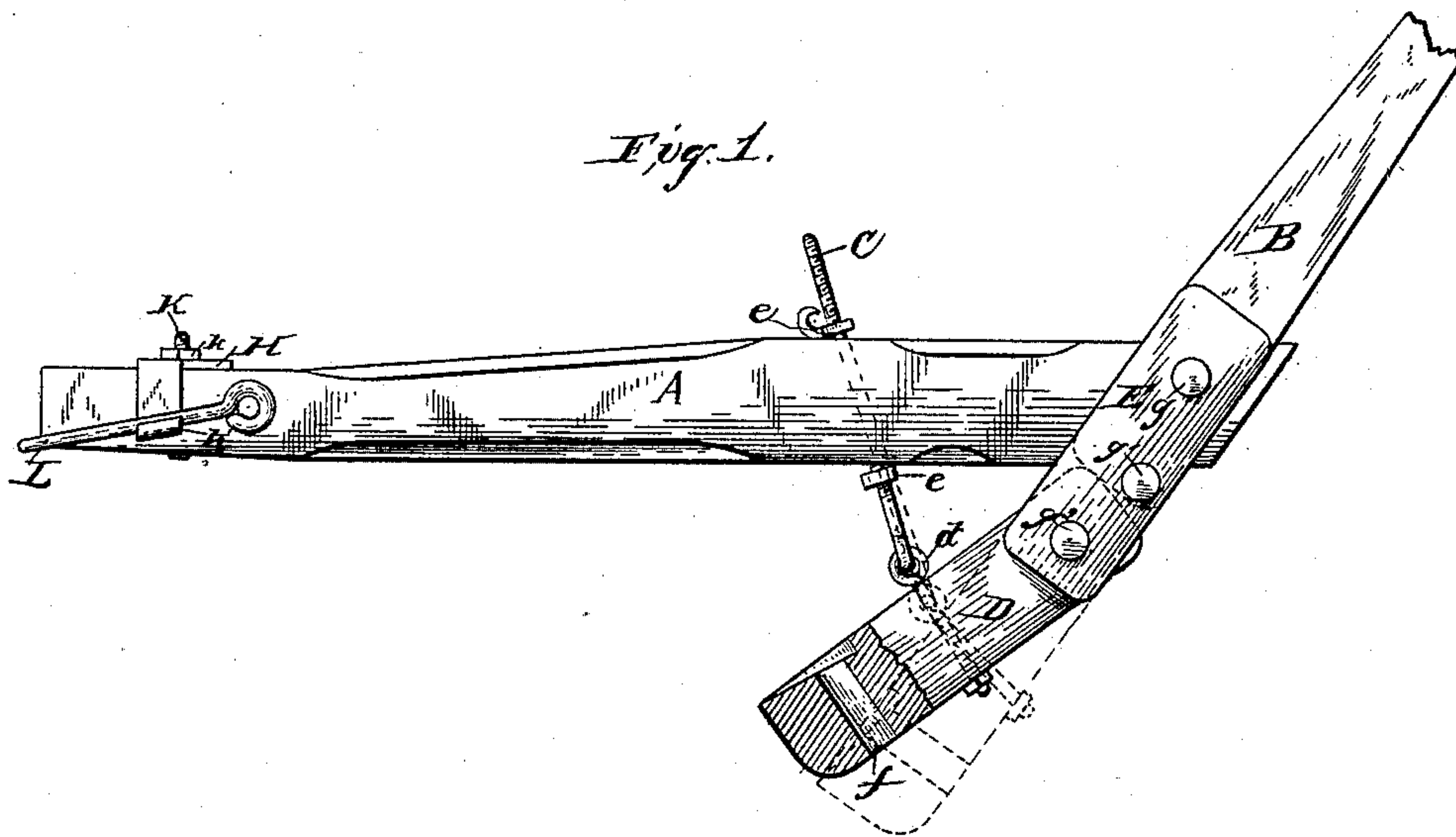
(No Model.)

G. W. WHATLEY.

PLOW.

No. 387,385.

Patented Aug. 7, 1888.



Witnesses.
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UNITED STATES PATENT OFFICE.

GEORGE WASHINGTON WHATLEY, OF DALLAS COUNTY, ASSIGNOR OF ONE-HALF TO GEORGE W. MARRIS, OF ROCKWALL COUNTY, TEXAS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 387,385, dated August 7, 1888.

Application filed November 12, 1887. Serial No. 254,977. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WASHINGTON WHATLEY, a citizen of the United States, residing in the county of Dallas and State of Texas, have invented certain new and useful Improvements in Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

The object of my invention is to provide an improved plow stock or frame having an adjustable foot to regulate the inclination or pitch of the plow-point. It is also my object to provide an adjustable clevis-support adapted to be applied to a plow-beam.

In the drawings, Figure 1 is a side elevation of the plow stock or frame. Fig. 2 is a perspective view, enlarged, of the clevis-support.

20 A denotes the beam of a plow; B, the standard; C, a brace-rod screw-threaded to receive the nuts *e e*.

D denotes the foot, provided with an eyebolt, *d*, and having a slot, *f*, for the heel-screw.

25 E are brace-plates secured to the standard and foot by bolts *g g' g''*.

H denotes a saddle provided with a slot, *h*, stirrups *h' h'*, and bolt K, screw-threaded to receive the nut *k*.

30 L denotes a clevis.

The beam A is mortised to the standard B. The brace-plates E are rigidly fastened to the standard B by the bolts *g g'*, the upper bolt, *g*, passing through the mortise and the tenon on the beam. The foot D is secured to said plates by the bolt *g''*. This bolt is journaled in the plates to admit of the adjustment of the foot.

The bolts *g g' g''* are preferably headed at one end, the opposite end being screw-threaded to receive nuts. The foot D is provided with a bolt, *d*, about five and one-half inches long, having an eye formed on its upper end, the lower end being screw-threaded to receive a nut adjusted under the foot, as shown in Fig.

45 1. The slot *f* is about an inch and a half long, cut lengthwise with the foot, as shown in section in Fig. 1, and wide enough to admit a heel-screw.

The brace-rod C is about fifteen and a half

inches long, the upper part being screw-threaded for about eleven inches and provided with nuts *e e*. It passes obliquely through the beam, and is extended in a straight line to meet the foot D at an angle of about sixty degrees, as shown in Fig. 1. The lower end of this rod 55 has a hook formed thereon to engage with the eyebolt *d*.

The saddle H and stirrups *h' h'* are formed in one piece, preferably of metal, having the slot *h* running lengthwise, as shown in Fig. 2, about two and a half inches long, through which the bolt K passes, the saddle being clamped in position upon the beam by the nut *k*.

In operation, when it is desired to change 65 the inclination or pitch of the plow-point, the nuts *e e* are adjusted up or down upon the brace-rod to elevate or depress the foot D. It will be seen that the brace-rod and eyebolt take the heavy strain off of the brace-plates 70 and support the foot from above and beneath and throw the strain upon the beam. The slot *f* in the foot for the heel-screw allows of the adjustment of different kinds of plow-points without any change in the shoulder that holds 75 the point in position. The clevis-support, consisting of the slotted saddle and stirrups, is placed on the beam, as shown in Fig. 1, the clevis L resting in the stirrups. To elevate or depress the clevis, the nut *k* is loosened and 80 the saddle slid forward or backward, as desired, and the nut tightened to clamp the saddle in position.

My plow stock or frame combines great strength with simplicity of construction. The 85 connection of the brace-rod to the foot through the eyebolt allows the rod to turn in the eye as the foot is adjusted, avoiding the necessity of mutilating the beam and other parts of the stock or frame to accommodate the change of 90 position of the brace-rod in adjusting the pitch of the plow, as was heretofore the case. Moreover, it will be seen that from the connection and position of the brace-rod the tension upon it is lengthwise and not crosswise, throwing 95 the strain directly upon the beam and avoiding the liability of bending or breaking the rod.

The parts of the stock or frame are so ad-

justed that they may be readily detached to economize space in shipping or renewal in case of damage.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The herein-described plow stock or frame, consisting of the beam A, having an oblique perforation formed therein, the standard B, the brace-plates E E, secured to the beam, standard, and foot, the adjustable foot D, hinged to said brace-plates, the eyebolt *d*, secured to said foot, the brace-rod C, passing obliquely through the beam and having its lower end linked or hinged to eyebolt *d*, and means, substantially as described, for securing said rod in its adjusted position, substantially as and for the purposes set forth.

2. In combination with a clevis, the adjustable clevis-support adapted to be fitted to a plow-beam and consisting of the slotted saddle H, having stirrups *h' h'*, and bolt K and adjusting-nut *k*.

3. A detachable clevis-support consisting of a slotted saddle, H, provided with stirrups *h' h'*, adapted to be adjusted forward or backward upon a plow-beam and clamped in position by a bolt, K, and nut *k*, substantially as shown and described.

In testimony whereof I hereto affix my signature in presence of two witnesses.

GEORGE WASHINGTON WHATLEY.

Witnesses:

J. H. SMITH,

L. D. STROUD.