(No Model.)

F. J. FOLSOM.

PLOW ATTACHMENT.

No. 306,392. Patented Oct. 14, 1884.

Fig. 1

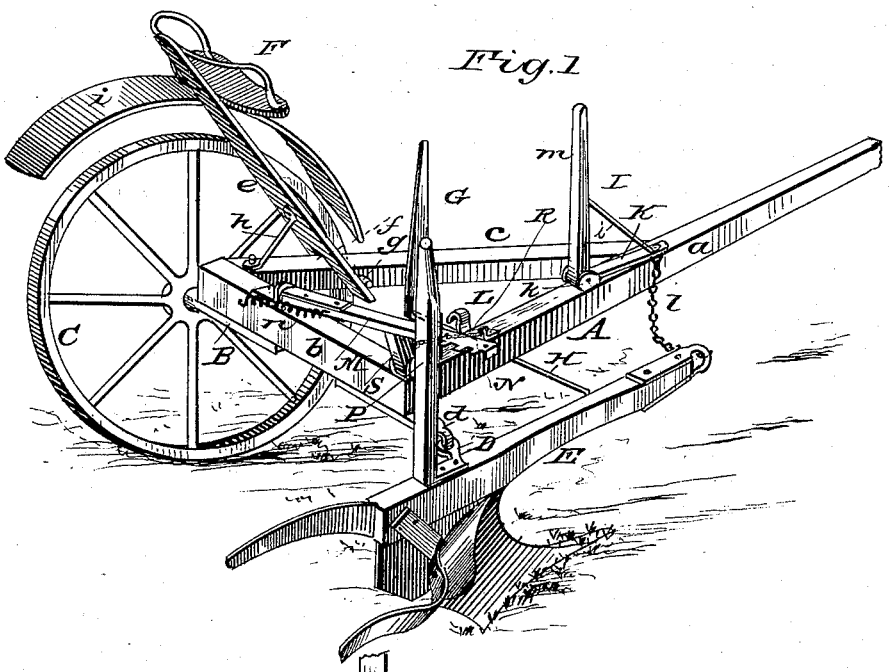


Fig. 2.

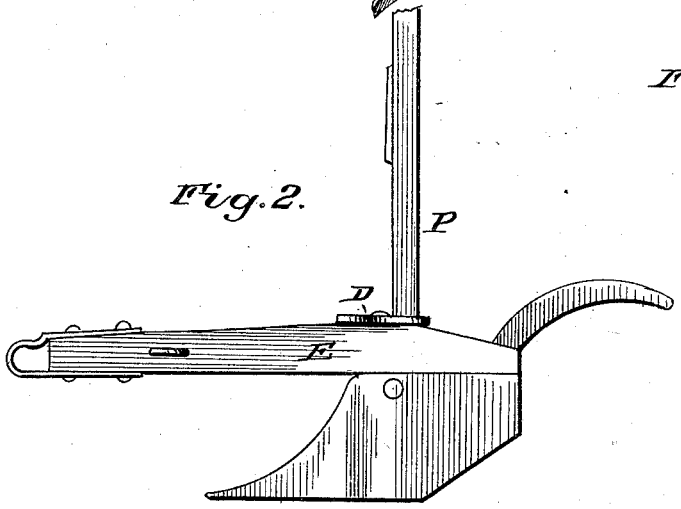
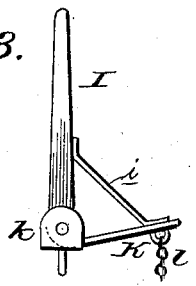


Fig. 3.



WITNESSES:

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FRANCIS J. FOLSOM, OF EAST LIVERMORE, MAINE.

PLOW ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 306,392, dated October 14, 1884.

Application filed May 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, F. J. FOLSOM, a citizen of the United States, residing at East Livermore, in the county of Androscoggin and State of Maine, have invented certain new and useful Improvements in Plow Attachments; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention has relation to improvements in sulky-plow attachments; and it consists in the construction and novel arrangement of devices, as will be hereinafter more fully set forth, and particularly pointed out in the claim appended.

The object of my invention is to provide a cheap and simple means whereby the plow may be conveniently adjusted and canted by the driver or operator. These objects I accomplish by the mechanism shown and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my invention. Fig. 2 is a view of the plow detached, and Fig. 3 is a view of the angle-lever detached.

Referring by letter to the said drawings, A indicates the main frame, which consists, essentially, of the pole *a*, axle-beam *b*, and diagonal brace-bar *c*. The axle-beam *b* is provided at one end with the spindle B, to receive the supporting-wheel C, and the opposite end is provided with a hook, *d*, to engage an eye, D, on the plow-beam E. The diagonal beam or brace-bar *c* is designed to support the driver's seat, the beam *e* of which is bifurcated at its lower end, as shown at *f*, to straddle the said diagonal bar and engage by their forward sides a stop-pin, *g*, passing laterally through the said diagonal bar. The seat-beam *e* is provided with a brace-arm, *h*, which is perforated at its lower end to engage a vertical stud or pin in the diagonal brace-bar to prevent lateral displacement, and the seat F may be provided with an extension or other suitable means for receiving the wheel-fender *i*. The diagonal brace-bar *c* is also provided in front of the seat-beam with a vertically-pivoted hand-lever, G, which is provided at its lower end with a hooked rod, H, designed to engage the forward portion of the plow-beam to move the same to or from the pole or draft-beam.

I indicates an angle-lever, which is pivoted at its angle in a suitable bearing, *k*, in the draft-beam, having its hand-lever extending back within convenient reach of the operator, and the short forward arm K is provided at its outer end with a chain, *l*, leading down and connected to the forward end of the plow-beam, whereby the same may be adjusted vertically. The draft-beam is provided with a hook, L, to engage the forward portion of the hand-lever *m*, to hold the same when thrown rearwardly and downwardly to raise the forward end of the plow-beam.

M indicates a vibrating spring ratchet-lever, which may be connected at its inner end to the axle-bar by a swivel-joint and a spiral or other suitable spring, *n*, for holding its outer end, carrying a notched or ratchet plate, N, in engagement with a vertical post, P, rising from the plow-standard. The spring ratchet-lever M is supported about midway its length by a short vertical post, S, which is pivoted at its lower end to the rear end of the draft-beam, and provided with a stay chain or rope, R, which is connected to the draft-beam.

The plow may be of any ordinary construction, and provided with handles for the operator, or the driver may cant and adjust the plow without leaving his seat by manipulating the levers, which are within convenient reach.

From the foregoing description the operation of my invention will be obvious. It will be seen that when the lever *m* of the angle-lever is released from the hook L on the draft-beam the plow may be run at its greatest depth, and when shallow plowing is desired the operator should simply engage the lever *m* with the hook L of the draft-beam, the lateral adjustment being effected by the vertical lever G, and the canting by post or lever P and the spring ratchet-bar.

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

In a sulky-plow, the combination, with the main frame having the hook to engage the eye or loop on the plow-beam, of the pivoted spring ratchet-bar, vertical post P, hinge-post S, and its stay-chain, substantially as specified.

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

FRANCIS J. FOLSOM.

Witnesses:
JESSE M. LIBBY,
JAMES H. STANTON.