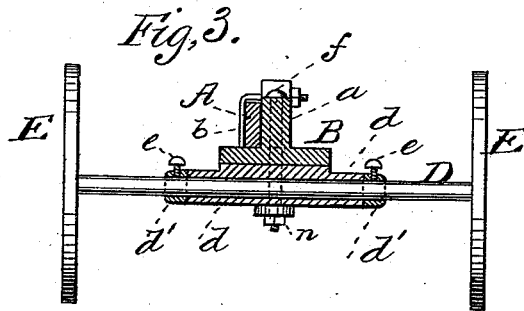
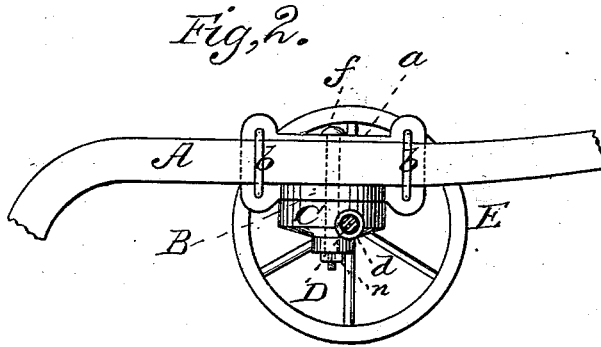
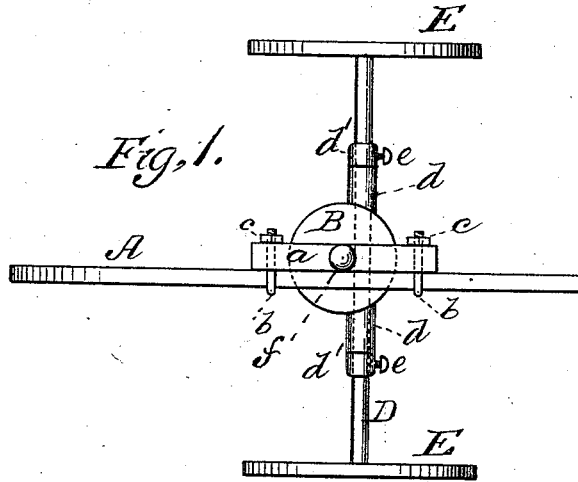


J. R. CUMMINS.
Attachment for Wheel-Plows.

No. 213,178

Patented Mar. 11, 1879.



WITNESSES
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JOHN R. CUMMINS, OF MCKINNEY, TEXAS.

IMPROVEMENT IN ATTACHMENTS FOR WHEEL-PLOWS.

Specification forming part of Letters Patent No. 213,178, dated March 11, 1879; application filed December 21, 1878.

To all whom it may concern:

Be it known that I, JOHN R. CUMMINS, of McKinney, in the county of Collin and State of Texas, have invented a new and valuable Improvement in Attachments for Wheel-Plows; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top view of my invention. Fig. 2 is a side view thereof, and Fig. 3 is a vertical cross-section of the same.

This invention has relation to improvements in attachments to sulky and other horse-plows.

The object of the invention is to do away with the rigid or stiff movement of the beam, and thereby to decrease the draft and cause the plow to run easily, and place the same under the control of the clevis.

The nature of the invention consists in combining, with a plow-beam, a circle-plate having a transverse clamp-ridge, and clamps extending through said ridge and securing the beam to the said plate, a bearing-plate, a king-bolt connecting said plates, a transverse sleeve on the under side of said bearing-plate, an axle extending through said sleeve, adjusting-collars on the axle, and transporting-wheels on said axle, as will be hereinafter more fully set forth.

In the annexed drawings, the letter A designates a plow-beam of a sulky, gang, or horse plow, in connection with which I propose to illustrate my invention. B indicates the circle-plate, having extending diametrically across its upper face and projecting beyond its perimeter a strong ridge, *a*, equal to or slightly greater in height than the beam aforesaid. The beam rests upon the plate aforesaid and bears against the ridge, and it is confined thereto by means of the clamps *b*, usually of U form, straddling the said beam and extending through the ends of the ridge

and through the nuts *c*. The plate B rests upon a bearing-plate, C, of corresponding form—that is, provided upon its under side with a transverse sleeve, *d*, through which extends an axle, D, upon the ends of which are the transporting-wheels E. The axle is held against endwise displacement relative to the sleeve by means of collars *d'*, that are adjusted on said axle against the ends of the sleeve by means of set-screws *e*. I may, however, use some other devices in lieu of the collars and screws.

The contiguous faces of the plates B and C are ground true, and are connected together, so that the latter rotates horizontally with reference to the former by means of a bolt, *f*, extending through the centers of the plates aforesaid, and prevented from jolting out of its place by a nut, *n*, or its equivalent, screwed upon its lower end.

The fore end of the beam is attached by a clevis to the sulky part of the implement, and has secured to its rear end a plow.

It is evident that the device aforesaid counteracts the rigid or stiff movement of the plow, thereby decreasing the draft and placing the said plow directly under the control of the clevis.

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

The combination, with a plow-beam, A, and a circle-plate, B, provided with transverse rib *a*, and having said beam clamped thereto of the bearing-plate C, having transverse sleeve *d* extending beyond the edges thereof, an axle, D, extending through said sleeve, a pivot-bolt, *f*, connecting the circle and bearing plates, and adjustable collars *d'*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN RANDOLPH CUMMINS.

Witnesses:

I. T. SARGENT,
P. WALTON.