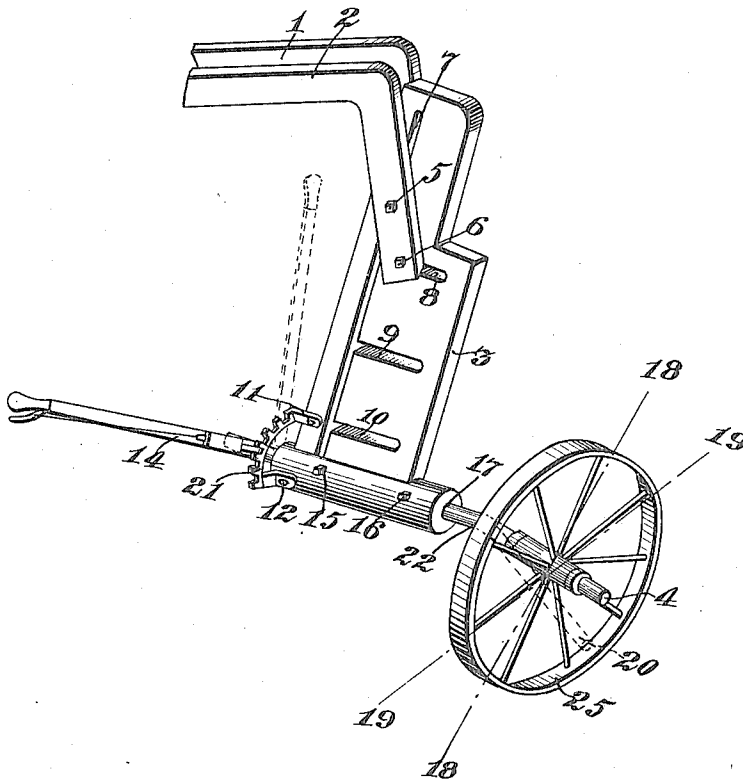


F. SMITH.
PLOW ATTACHMENT.
APPLICATION FILED NOV. 1, 1911.

1,207,443.

Patented Dec. 5, 1916.



Witnesses:

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UNITED STATES PATENT OFFICE.

FLETCHER SMITH, OF DALLAS, TEXAS.

PLOW ATTACHMENT.

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Specification of Letters Patent.

Patented Dec. 5, 1916.

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To all whom it may concern:

Be it known that I, FLETCHER SMITH, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented a new and useful Improvement in Plow Attachments, of which the following is a specification.

This invention relates to plow attachments, and the primary object of the same is to provide a device of this class which may be easily applied to the axle of a sulky plow and readily operative to shift the furrow wheel in or out and also to adjust it at different angles to the ground and provide different heights for the frame as may be found desirable, the several parts of the device being associated in a strong and structurally effective manner to change the lead of the wheel and also to effect the height of the main frame of the plow and the stagger of the wheel.

This invention consists in the construction and arrangement of the several parts which will be hereinafter described and claimed in preferred form.

In the drawing: the figure is a perspective view of the different parts that embody this invention and shows the broken section of the plow frame.

The numerals 1 and 2 designate the main bars or parts forming the central axle parts of the sulky plow which are shown in broken sections, but these broken sections may themselves be attached to any part of the frame of the plow as may be found desirable in its construction. These bars lie parallel to each other and at substantially right angles to the line of travel, and preferably form the main central parts of the plow axle.

The section 3 is flattened so as to lie at different positions between the parts 1 and 2 and has a socket 17 at its lower end to receive the axle section 4, and has a longitudinal slot 7 connecting the cross slots 8, 9 and 10. At 5 and 6 are bolts passing through the bars 1 and 2 and through the slots in the section 3 to rigidly hold the section 3 in its adjusted position.

When the bolts 5 and 6 are loosened the bars 1 and 2 may be slid up and down caus-

ing the bolt 5 to stay in the longitudinal slot 7 and the bolt 6 may occupy different positions in any of the slots 7, 8, 9, and 10. It is evident that when the bolt 6 occupies a position in the slot 10 the frame will be lowered from where it is now shown in the drawing and gives a high or low position for the frame when desired. Also when the bolt is passed along the cross slots 8, 9, and 10 I increase or diminish the stagger of the furrow wheel, as is desirable to suit certain conditions.

The axle 4 may be held rigidly in the socket 17 in the section 3 by the set screws 15 and 16 or by the lever 14 being rigidly fastened to the lower end, held to its place by the ratchet 21 which is secured to the section 3 by the bolts 11 and 12. The axle 4 is downwardly bent at the point 22 so that when it is turned in the socket 17 in the section 3 the furrow wheel 25 will be made to occupy different positions as 18 and 19 in the drawing, causing the wheel 25 to have more or less gather and causing the plow to go in or out on the land. It is evident that the axle 4 may be held in its adjusted position by the set screws 15 and 16 or by the lever 14 and the ratchet 21 or by both.

This invention enables me to give the frame a higher or lower position, to give the furrow wheel more or less stagger and to cause this wheel to lead in or out from the land to be plowed.

It will be understood that changes in minor details of construction may be made at will.

What is claimed as new is:

1. An attachment for sulky plows comprising spaced parallel bars, an elongated member having a series of spaced cross slots, said member mounted between the spaced bars, adjustable clamping bolts for the parallel bars passing respectively through the longitudinal slot and either one of the cross slots, an axle at the lower end of the member and a ground wheel on the axle.

2. An attachment for sulky plows comprising spaced parallel bars, an elongated member having a series of spaced cross slots

and a longitudinal slot at substantially right angles to the cross slots, the longitudinal slot connecting the cross slots, said member mounted between the spaced bars, adjustable clamping bolts for the parallel bars passing respectively through the longitudinal slot and either one of the cross slots, an axle at the lower end of the member and a ground wheel on the axle.

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."