

C. C. WHITTINGTON.
 PLOW.
 APPLICATION FILED APR. 21, 1909.

943,584.

Patented Dec. 14, 1909.
 2 SHEETS—SHEET 1.

Fig. 1.

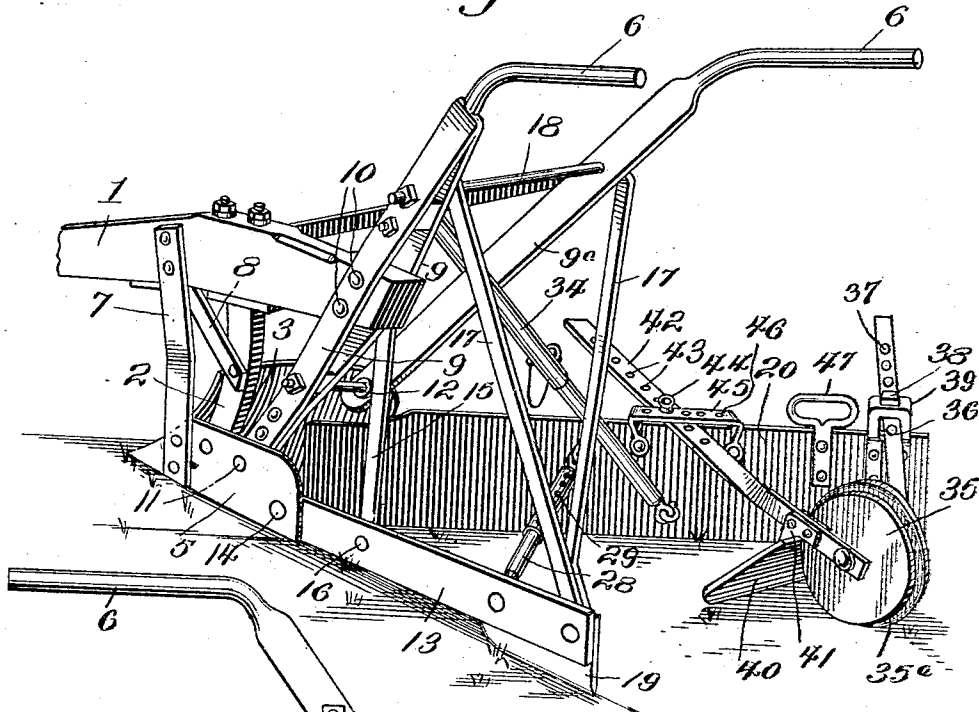
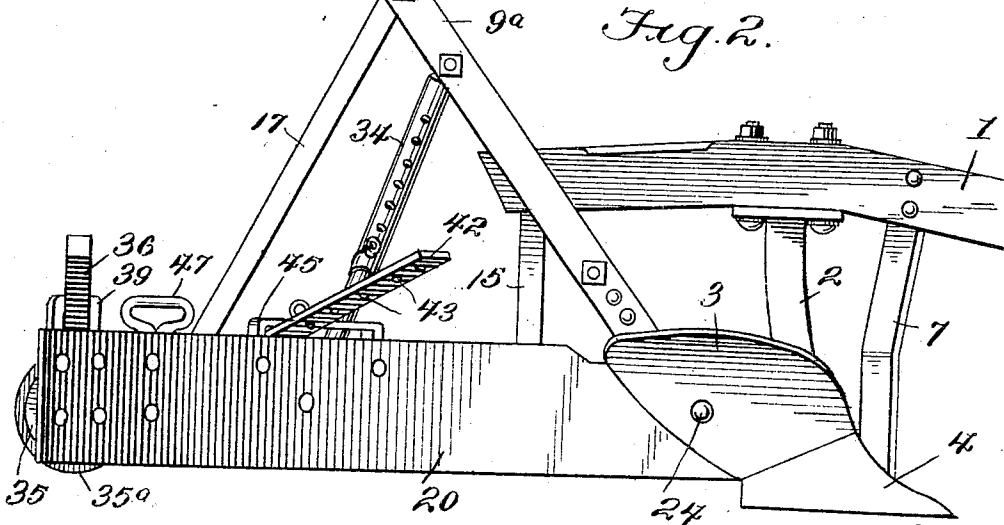


Fig. 2.



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Witnesses

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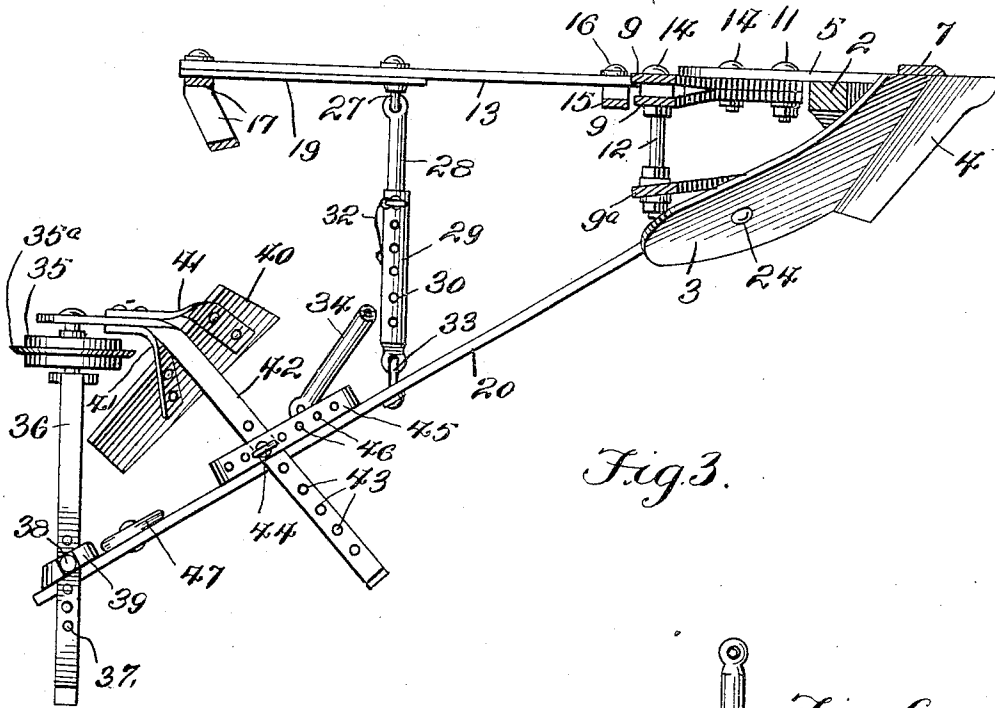


Fig. 3.

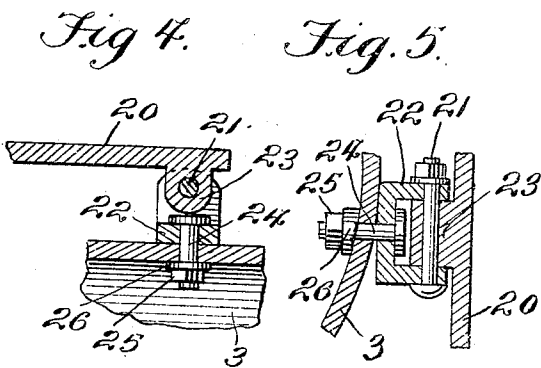


Fig. 4.

Fig. 5.

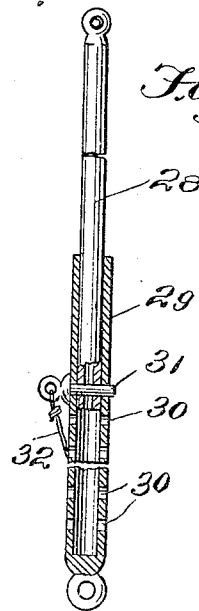


Fig. 6.

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UNITED STATES PATENT OFFICE.

CHARLES CLINT. WHITTINGTON, OF LAKE PROVIDENCE, LOUISIANA.

PLOW.

943,584.

Specification of Letters Patent.

Patented Dec. 14, 1909.

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To all whom it may concern:

Be it known that I, CHARLES C. WHITTINGTON, a citizen of the United States of America, residing at Lake Providence, in the parish of East Carroll and State of Louisiana, have invented new and useful Improvements in Plows, of which the following is a specification.

This invention relates to plows designed for the purpose of making levees for irrigating rice fields, for digging ditches, building roads and leveling the ground, and one of the principal objects of the invention is to provide an attachment to an ordinary road plow for extending the scope of the plow and for insuring a straight draft line.

Another object of the invention is to provide an extended mold board and an extended landside adapted to be connected to the mold board and landside of a plow for giving greater range to the operation of ditching, roading and leveling the ground.

Still another object of the invention is to provide means for adjusting the extensible landside and mold board toward and from one another and to provide a guide wheel between the mold board and landside for holding the plow in proper draft line.

Still another object of the invention is to provide a scraper for removing stones and other obstructions from in front of the guide wheel.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which:—

Figure 1 is a perspective view looking at the rear of a plow made in accordance with my invention. Fig. 2 is a side elevation of the same, looking at the mold board side of the plow. Fig. 3 is a top plan view of the plow, the handle bars, the standard and braces being shown in section. Fig. 4 is a detail horizontal section, showing the manner of pivotally connecting the front end of the extensible mold board to the mold board proper of the plow. Fig. 5 is a detail vertical sectional view of the same. Fig. 6 is an elevation and partial section of the telescopic brace extending from the landside to the mold board extension for holding the same in adjusted relation.

Referring to the drawing, the numeral 1 designates the beam; 2 is the standard; 3 is the mold board; 4 is the point or share; 5 is the landside, and 6 are the handles of a road

plow of ordinary construction. Extending from the beam to the landside is a brace 7, and a diagonal brace 8 extends from the standard to the underside of the beam. The handle bars 9 are connected to the rear end of the beam 1 by means of bolts 10, the lower ends of said handle bars being connected to the landside by a bolt 11. A brace rod 12 extends across from the handle bars 9 to the handle bar 9^a.

The landside bar 13 is removably connected to the landside 5 by means of a bolt 14 extending through the landside and through the front end of the landside bar. A brace 15 is connected by means of a bolt 16 to the landside bar, said brace being also connected to the rear end of the beam. Diagonal braces 17 are connected to the rear end of the landside bar, said braces being connected to the handle bars 9 and 9^a by means of a cross round 18. Connected to the heel end of the landside bar is a cutter blade 19 designed to cut the side wall of a ditch or banking.

The extensible mold board member 20 is pivotally connected inside the mold board 3 upon a bolt 21 extending through a pivoted yoke or clip 22 and through a lug 23 formed on the inner side of the extensible mold board 20. A bolt 24 is connected to the clip or yoke 22, said bolt extending through the clip 22 and through the mold board 3 where it is fitted with a nut 25 and a suitable wedge-shaped washer 26, as shown more clearly in Fig. 5.

Connected to the landside bar 13 is an eye bolt 27, and connected to said eye bolt is a telescopic rod 28 which extends into a tubular member 29 provided with a series of perforations 30. The rod 28 is adjustably secured to the member 29 by means of a pin 31 extending through a perforation in the rod 28 and through any of the perforations 30. The pin 31 may be connected to the member 29 by means of a chain or wire 32. The member 29 is connected to an eye bolt 33 extending through the mold board extension 20. A similar telescopic brace 34 has one of its members connected to the mold board upon the inside thereof, and the opposite end being connected to the handle bars 9.

To hold the plow in line of draft a wheel 35 is connected to an adjusting bar 36 provided with a series of holes 37 to receive a pin 38 extending through a keeper 39 on the

mold board extension 20. The wheel 35 is provided with a cutting disk 35^a adapted to enter the ground and to prevent side draft to the plow.

5 A guard or scraper 40 is connected by means of braces 41 to an adjustable bar 42 mounted on the axle of the wheel 35. The bar 42 is provided with a series of perforations 43 to receive a pin 44 extending through
10 a keeper 45 provided with perforations 46, said keeper being secured at the inner side of the mold board extension 20. A handle 47 is connected to the upper side of the mold board extension 20 for convenience in handling the same.

15 From the foregoing description it will be understood that the mold board extension 20 may be readily connected to or disconnected from the mold board 3 of the plow by removing the bolt 24, and the landside may be
20 removed from the plow by disconnecting the bolt 14 and the braces 15 and 17. Whenever it is desired to adjust the landside and mold board relatively toward or from each other
25 the telescopic members 28 and 29 may be adjusted, the telescopic member 34 being also relatively adjustable. The guide wheel 35 and the guard scraper 40 may be adjusted by means of the bars 36 and 42 and their
30 pins for holding them in proper relative adjustment.

My invention is of simple construction, can be quickly connected to or disconnected

from an ordinary road plow and is very efficient and reliable for its purposes.

I claim:—

1. In an attachment for plows, a removable mold board extension pivotally connected to the mold board of a plow, a landside bar connected to the landside of a plow, 40 means for holding said parts in adjusted positions, and a guide wheel provided on one side thereof with a cutter disk of greater diameter than the wheel, said wheel being mounted upon an adjusting bar inside the 45 mold board extension for holding the plow in draft line.

2. A plow attachment comprising a mold board extension, a guide wheel inside the mold board having an extended disk having 50 a cutter secured to said wheel, said cutter being of larger diameter than the wheel, an adjusting bar to which said wheel is journaled, a keeper through which said bar extends, a scraper connected to an adjusting 55 bar, said scraper being disposed in front of said guide wheel to bear upon the ground, and means for adjusting said bar upon the mold board extension.

In testimony whereof I affix my signature 60 in presence of two witnesses.

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Witnesses:

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