

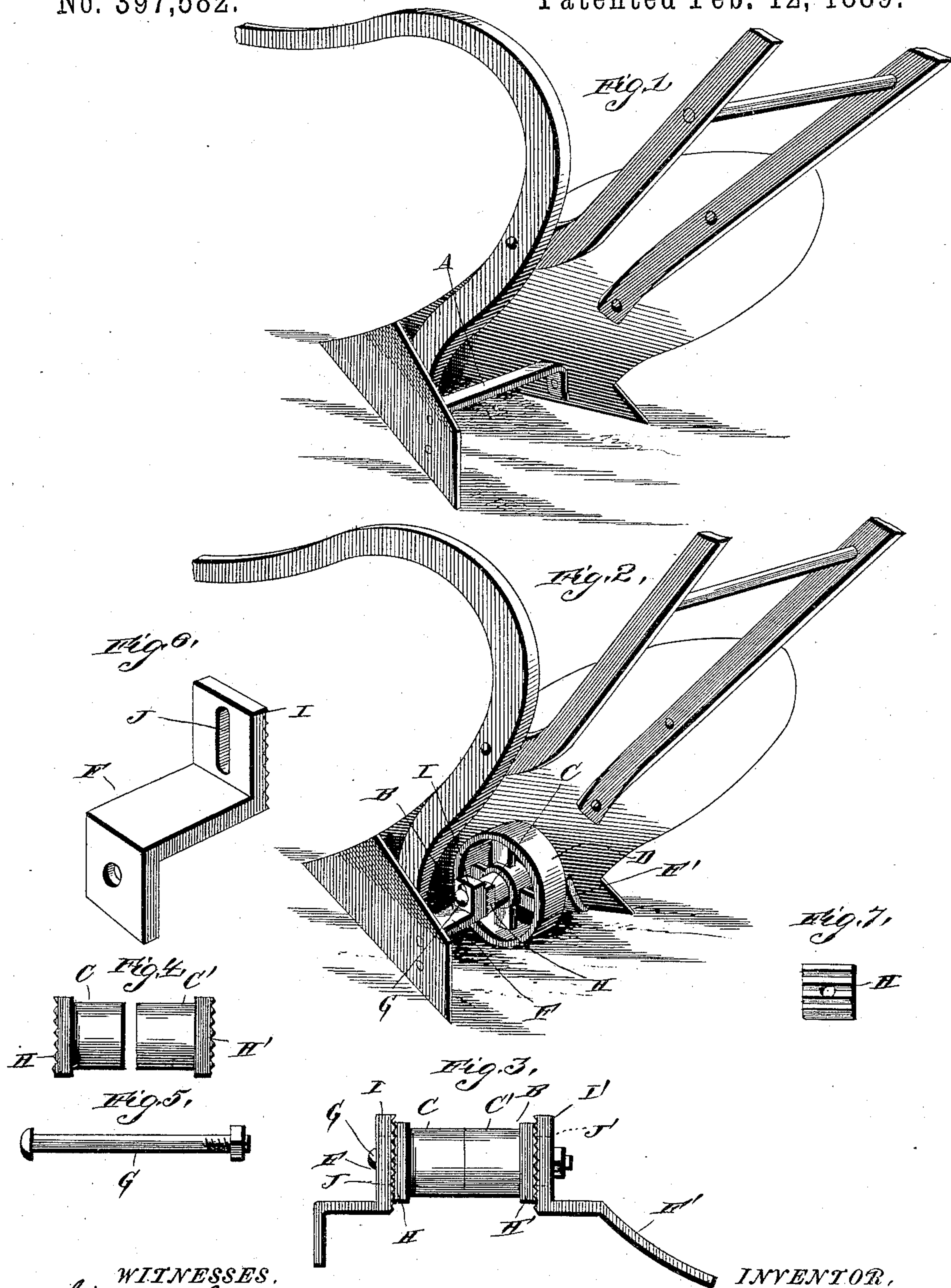
(No Model.)

D. W. CHENEY.

WALKING PLOW.

No. 397,582.

Patented Feb. 12, 1889.



WITNESSES.  
Sarepta Specht  
Van Buren Hillyard.

INVENTOR,  
David W. Cheney  
By R. B. & A. T. Lacey Attorneys



# UNITED STATES PATENT OFFICE.

DAVID W. CHENEY, OF SPARTA, WISCONSIN, ASSIGNOR OF ONE-HALF TO  
TIMOTHY O. THORBUS, OF SAME PLACE.

## WALKING-PLOW.

SPECIFICATION forming part of Letters Patent No. 397,582, dated February 12, 1889.

Application filed November 14, 1888. Serial No. 290,812. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID W. CHENEY, a citizen of the United States, residing at Sparta, in the county of Monroe and State of Wisconsin, have invented certain new and useful Improvements in Walking-Plows; 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 relates to plows, and has for its object to remove or lessen the friction caused by the bottom of the plow dragging on the ground while in use, and at the same time to preserve the stability of the ordinary plow and to vary the dip or pitch of the plow within certain limits by vertically adjusting the roller provided to lighten the draft of the plow.

In plows as most generally constructed a brace is interposed between the heel of the landside and the rear end of the mold-board to brace each other. My attachment is constructed to be made interchangeable with the said brace and serve the triple purpose of lightening the draft, bracing the landside and mold-board, and regulating the pitch or dip of the plow.

The improvement consists of the peculiar construction and combination of the parts, which will be hereinafter more fully described and claimed, and shown in the annexed drawings, in which—

Figure 1 is a rear perspective view of a plow of ordinary construction; Fig. 2, a rear perspective view of a plow embodying my invention; Fig. 3, a rear view of the attachment having the roller or wheel detached; Fig. 4, a detail view of the roller-supporting blocks; Fig. 5, a side view of the bolt that connects the brackets and the roller-supporting blocks together; Fig. 6, a perspective view of the landside-bracket, and Fig. 7 an end view of the roller-supporting blocks.

The combined brace and roller-support B is composed of the landside-bracket F, the mold-board bracket F', the blocks C and C', and the bolt G. The brackets F and F' have

vertical and parallel extensions I and I', which are roughened or horizontally ribbed on their opposing faces. The blocks C and C' have heads H and H' on their outer ends, and have the outer ends of the said heads roughened or ribbed to correspond with the inner faces of the extensions I and I'. The inner ends of the blocks are round to form a bearing for the roller-wheel D, which is mounted thereon, and which is confined between the heads H and H'. The bolt G passes through openings in the blocks and through vertical slots J and J' in the extensions of the brackets and binds the brackets and the blocks together.

The combined brace and roller-support B, as shown in Fig. 3, is designed to replace the brace A. (Shown in Fig. 1.) The bracket F is secured to the landside in the usual manner. So, also, is the bracket F' secured to the mold-board. By loosening the bolt G and removing it the blocks C and C', together with the roller, can be adjusted vertically to change the dip of the plow. The bolt being replaced and tightened, the parts will be rigidly held together, as will be readily understood.

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

1. The combination, with the brackets F and F', having the vertical extensions I and I', which are roughened on their opposing faces, and which are vertically slotted, of the blocks C and C', roughened on their outer ends, and the bolt G, substantially as and for the purpose described.

2. The combination, with the landside and mold-board of a plow, of the brackets F and F', having vertical extensions which are roughened on their opposing faces, and which are vertically slotted, the blocks C and C', having their inner ends rounded and having heads H and H' at their ends, which heads are roughened on their outer ends, the bolt G, and the roller D, mounted on the rounded portions of the blocks and held between the heads H and H', substantially as described.

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

DAVID W. CHENEY.

Witnesses:

A. E. HOWARD,  
H. H. L. CHILD.