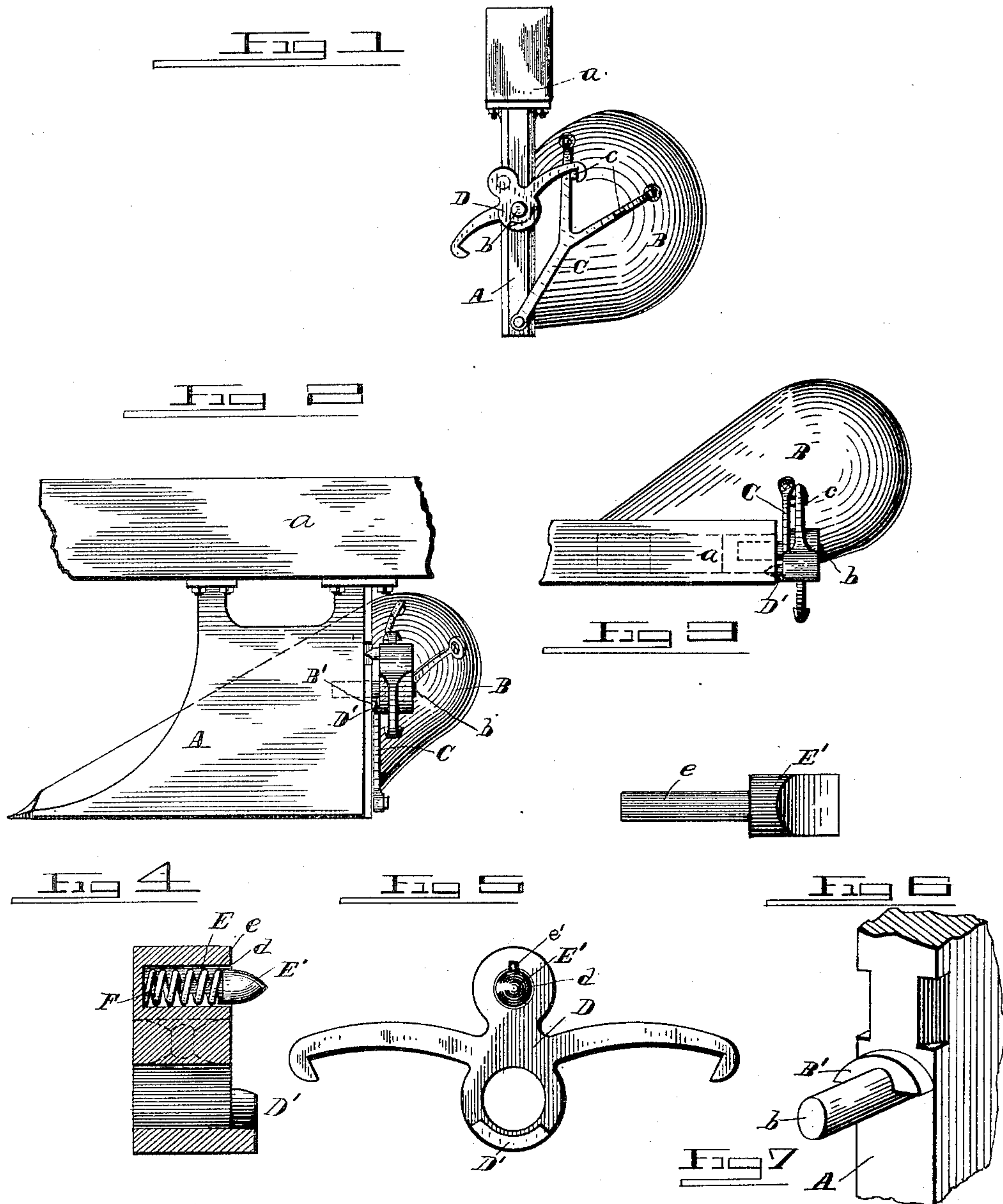


(No Model.)

C. W. CLAPP & E. C. WESTERVELT.
ATTACHMENT FOR HILLSIDE PLOWS.

No. 462,203.

Patented Oct. 27, 1891.



WITNESSES

C. W. Seville.
J. A. Mansfield.

INVENTORS

C. W. Clapp & E. C. Westervelt.
W. Alexander
Attorney

UNITED STATES PATENT OFFICE.

CHARLES W. CLAPP AND EDMUND C. WESTERVELT, OF SOUTH BEND,
INDIANA.

ATTACHMENT FOR HILLSIDE-PLOWS.

SPECIFICATION forming part of Letters Patent No. 462,203, dated October 27, 1891.

Application filed May 23, 1891. Serial No. 393,892. (No model.)

To all whom it may concern:

Be it known that we, CHARLES W. CLAPP and EDMUND C. WESTERVELT, of South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Attachments for Hillside-Plows; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a detail rear elevation of a side-hill plow, showing our improved mold-board-locking devices. Fig. 2 is a side view of the attachment applied to the standard. Fig. 3 is a top plan view of the same. Figs. 4, 5, 6, and 7 are details.

This invention is an improved attachment for side-hill or reversible mold-board plows; and its object is to lock the latch or devices for holding the mold-board after its adjustment to right or left of the beam; and it consists in the novel construction and combination of parts hereinafter clearly described and claimed.

Referring to the drawings by letters, A indicates the standard, *a* the beam, and B the mold-board pivoted at its point to the toe of the standard and connected at its rear edge to a bracket C, which is pivoted to the heel of the standard, so that the mold-board can be adjusted to right or left of the beam. The mold-board may be connected to the standard in any suitable manner, so that it can be set to right or left.

D designates an oscillating double latch pivoted at its center on a pin *b*, attached to the rear edge of the standard, and the opposite ends of the latch are hooked and are adapted to be engaged by a stud *c* on the bracket C after the mold-board is shifted, and thus lock the bracket and prevent the mold-board dropping accidentally or wobbling on the standard during the cutting of a furrow. The arms might engage studs on the mold-board, if desired, for the purpose specified. The latch is provided at center (beneath pin *b*) with a for-

wardly-projecting lip D', which will engage an opposite lug B' on the standard and prevent the latch being turned too far as it is oscillated. Above the opening for pin *b* the latch is formed with a transverse bore *d*, in which is slipped a catch-bolt E, having an enlarged head E', beveled on opposite sides, and a reduced shank *e*, on which is slipped a coiled spring F, which is concealed in bore *d* and tends to force head E' outward, but will yield and permit the catch to move into the bore while passing by the rear edge of standard when the latch is oscillated. The shank or head may also have a spline *e'*, engaging a slot in the bore or be otherwise arranged so that the catch can rotate. The rear edge corners of standard B may be slightly rounded or beveled to co-operate with the catch. Now as the latch is oscillated catch E is thrown to right or left of the standard, as is obvious, and being projected by the spring will engage the side of the standard and prevent the latch being accidentally disengaged from the bracket or mold-board by the shocks and jars incident to plowing, but yet will allow the plowman to forcibly oscillate the latch by foot or hand, as he desires. The catch thus locks the latch in either position to which it is shifted.

Having described our invention, what we claim as new, and desire to secure by Letters Patent thereon, is—

1. The combination of the standard, the mold-board attached thereto substantially as described, and the oscillating latch pivoted on the standard, with the catch mounted on the latch near the pivot thereof and adapted to engage opposite side edges of the standard as the latch is oscillated and thereby lock the latch, substantially as specified.

2. The combination of the plow, the standard, and the oscillating latch pivoted on the standard and provided with a lug for limiting its oscillations, with a catch mounted on the latch near its pivot and adapted to lock the latch when it is shifted to right or left, substantially as described.

3. The combination of the standard, the

mold-board connected thereto, and the oscillating double latch pivotally mounted on the rear end of the standard and adapted to limit the oscillations of the latch, with a beveled catch mounted in a bore in the latch above its pivot, and a spring for projecting said catch, substantially as and for the purpose set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

CHARLES W. CLAPP.

EDMUND C. WESTERVELT.

Witnesses:

JAMES DUSHANE,
A. H. REMINGTON.