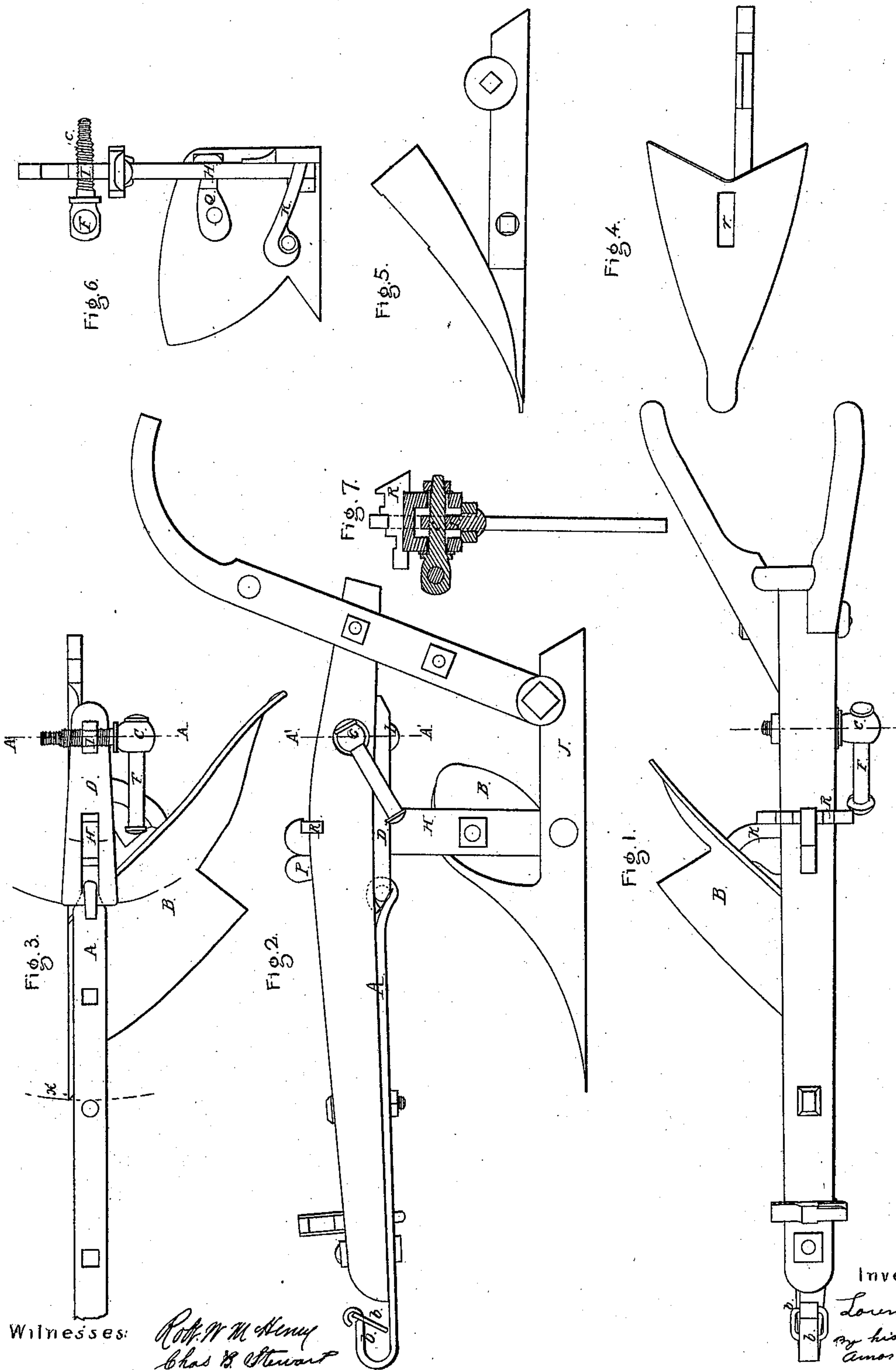


L. Wolf.

Plow.

*No. 132.
3,136.*

Patented Jan. 15, 1861.



Witnesses:

*Robt. W. Henry
Chas. B. Stewart*

Inventor:

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UNITED STATES PATENT OFFICE.

LORENZ WOLF, OF HAMBURG, MISSOURI.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **31,136**, dated January 15, 1861.

To all whom it may concern:

Be it known that I, LORENZ WOLF, of Hamburg, in the county of St. Charles and State of Missouri, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a top view of my said improved plow. Fig. 2 is a side elevation; Fig. 3, a top view of the improvement only. Fig. 7 is a transverse section on the line A' A'. Fig. 6 is a back elevation of the plow without the beam or tail. Fig. 4 is a top view, and Fig. 5 a side elevation, of a cultivator of double mold-board, to be applied to the frame of the plow whenever it may be desired, by removing the common one-sided plow.

My invention consists in a novel method of ironing the plow, the frame being made in the ordinary manner.

To enable any one skilled in the art to which my invention appertains to make and use the same, I will proceed to describe the construction and operation thereof.

Similar letters of reference represent corresponding parts of the drawings annexed.

In the drawings, A represents an iron strap bolted to the under side of the plow-beam. The said strap has a curved end, *v*, to which the team is applied by means of the ring *b*, the object being to prevent the clevis from unhooking. This strap is connected to a plate, D, which is also fixed to the under side of the plow-beam, and which has a mortise cut through it, into which the vertical beam H is made to fit accurately against the sides of the said mortise, but not against the ends thereof. This vertical beam H is raised or lowered by means of the key R, the top of which has graduated notches in it for that purpose. By this means the point of the plowshare may be depressed or elevated, as the case may require. The beam H is secured in the plow-beam by means of the key P, applied as shown.

In the back end of the plate D there is a lug, I, fixed to reach up in a mortise made in

the under side of the plow-beam, as shown in Fig. 7. Through this lug a hole is bored, in which a left-hand screw-thread is cut to receive the screw *c*, which is also left-handed to match the thread in the hole in the lug. The end of this said screw is made smaller than the body thereof, and on it a screw-nut is placed with a right-hand thread. Now the object of this screw is to slew the point of the plowshare in one direction or the other, which is effected by simply turning the screw which carries the back end of the plate D either to the right or left, and as the beam H fits in the said plate the point of the plow must of course be effected whenever the position of the plate is changed.

The mold-board B and landside J are made in one piece, and are braced by means of a brace, K, and are bolted to the heel of the plow-tail and to the beam H by means of loose bolts and the lug Q, which is fixed to the inside of the mold-board.

The beam H must be made straight and fixed directly in the center of the beam and in front of the heel of the tail, so that a right or a left hand mold-board can be applied to it without difficulty. Figs. 3 and 6 show a left-handed mold-board applied, and Figs. 1 and 2 show a right-handed one applied. By making and arranging the beam H as described one plow-frame will answer for every purpose, it being only necessary to have different mold-boards and cultivators of such size and shape as may be required.

Having thus described the construction and operation of my improvement in plows, what I claim, and desire to secure by Letters Patent, is—

The arrangement of the standard H, the plate D, the lug I, and screw C, in connection with the plow-beam and the plow, substantially in the manner described, for the purpose specified.

LORENZ WOLF.

Witnesses:

JOHN NAHM,
JOHN E. SCHNEIDER.