

H. E. WISNER.
Combined Jointer and Cutter.

No. 222,113.

Patented Nov. 25, 1879.

Fig: 1.

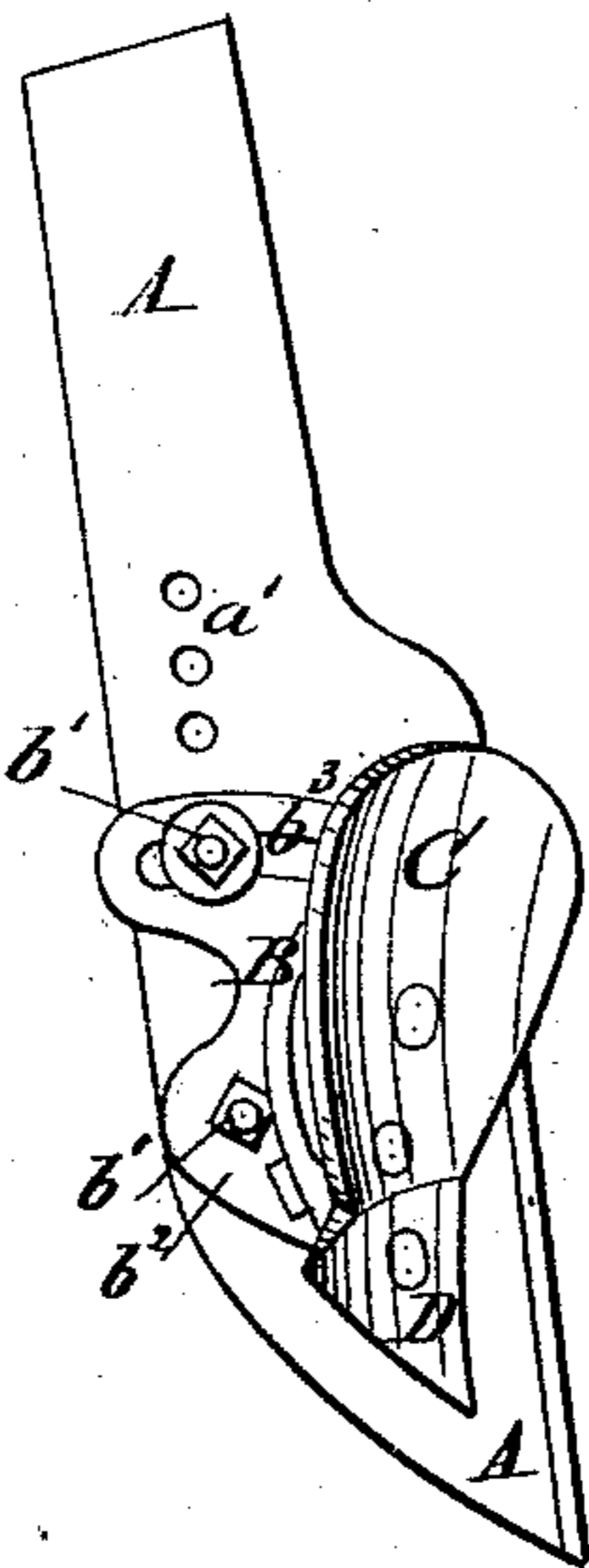


Fig: 3.

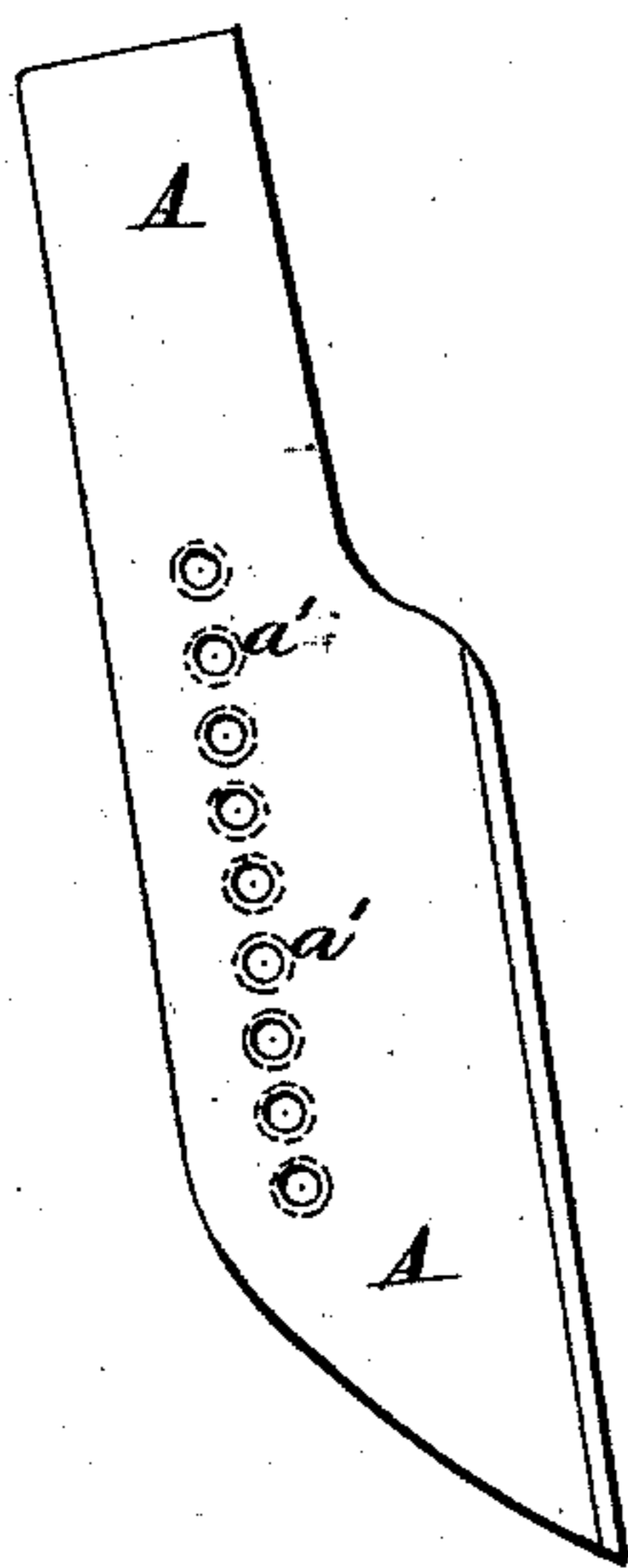


Fig: 4.

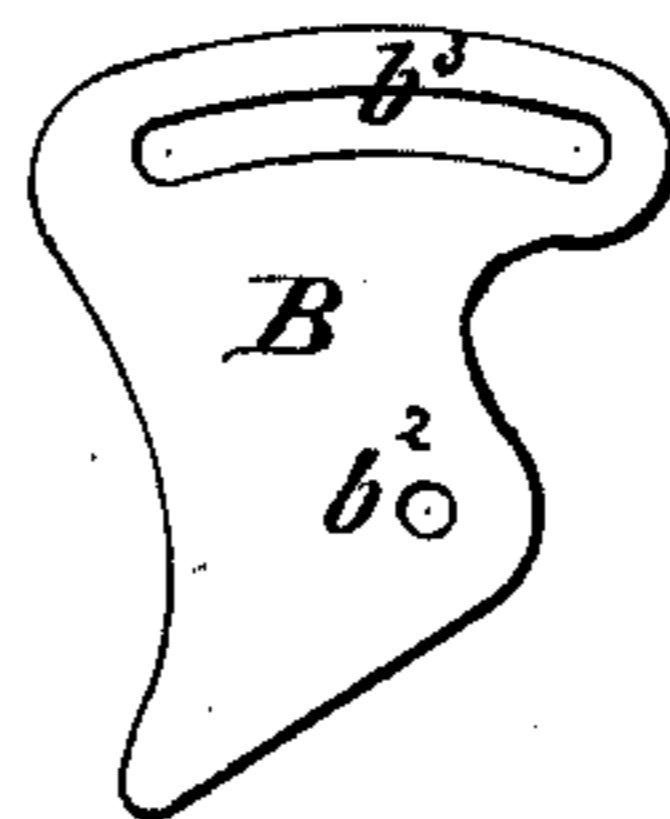
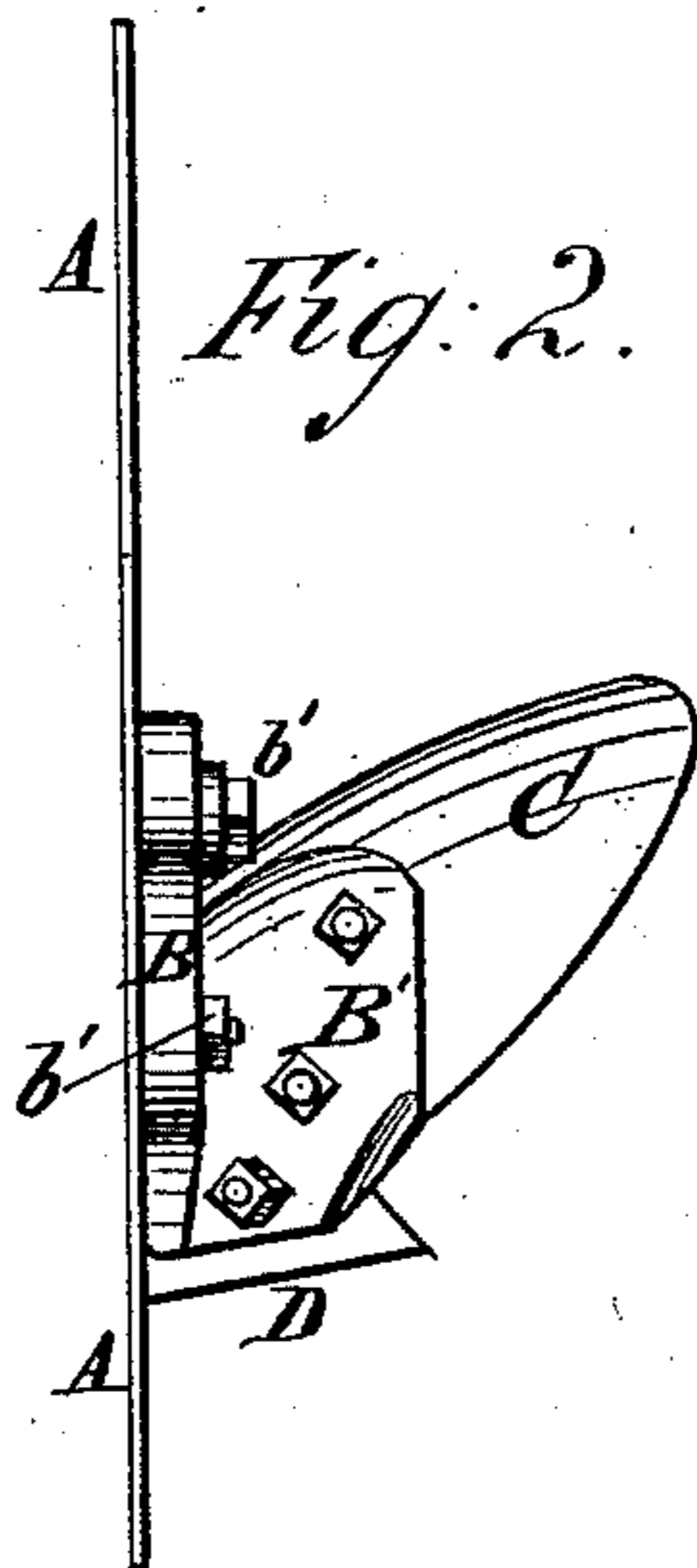


Fig: 2.



WITNESSES:

Achilles Tschelt.
C. Sedgwick

INVENTOR:

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UNITED STATES PATENT OFFICE.

HERMAN E. WISNER, OF HOWELL, MICHIGAN.

IMPROVEMENT IN COMBINED JOINTER AND CUTTER.

Specification forming part of Letters Patent No. **222,113**, dated November 25, 1879; application filed April 23, 1879.

To all whom it may concern:

Be it known that I, HERMAN ELMER WISNER, of Howell, in the county of Livingston and State of Michigan, have invented a new and useful Improvement in Combined Jointer and Cutter for Plows, of which the following is a specification.

Figure 1 is a side view of the combined attachment. Fig. 2 is a rear view of the same. Fig. 3 is a detail side view of the cutter or colter. Fig. 4 is a detail view of the inner side of the jointer-seat.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish a combined jointer and colter, which shall be so constructed that they may be attached to the plow-beam with as much facility as an ordinary cutter, so that the edge of the furrow-slice may be turned over, and the roots, vines, &c., cut off in front of the plow at the same time, and that the jointer may be adjusted as may be required.

A represents a cutter, which is designed to be secured to the plow-beam in the usual way, and in which is formed a row of holes, a' , to receive the bolts b' , by which the jointer-seat B B' is secured to the said cutter A.

The jointer-seat B is an angular casting, one side of which is made flat to fit against the side of the cutter A, and has a hole, b^2 , formed in its lower part and a curved slot, b^3 , in its upper part to receive the bolts b' , by which it is secured to the said cutter. The row of holes a' and the curved slot b^3 allow the jointer-seat B to be adjusted as may be required.

The outer part or wing of the jointer-seat B' is curved to receive the mold-board C and the point D of the jointer, which are secured to the said seat by bolts. With this construction the jointer may be adjusted higher or lower, or at a greater or less pitch, as may be desired.

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

The plate B, having the curved slot b^3 , and provided with the jointer-seat B', in combination with the colter A, having a series of holes, a' , as shown and described.

HERMAN ELMER WISNER.

Witnesses:

ISAAC W. BUSH,
F. O. RIDDLE.