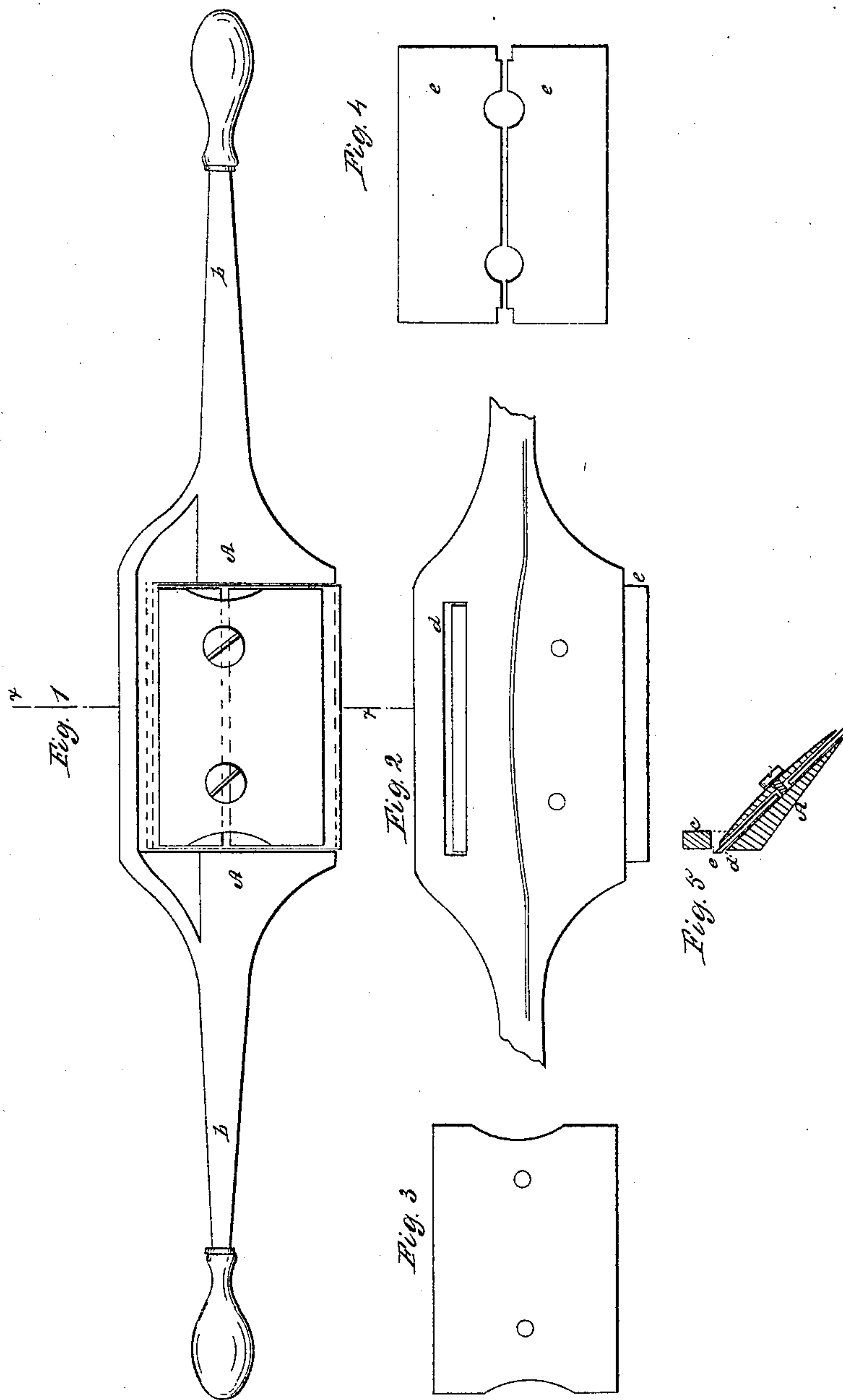


J. P. Heacock,

Spoke Share.

N^o 13,846.

Patented Nov. 27, 1855.



UNITED STATES PATENT OFFICE.

JOEL P. HEACOCK, OF MARLBORO, OHIO.

COOPER'S TOOL.

Specification of Letters Patent No. 13,846, dated November 27, 1855.

To all whom it may concern:

Be it known that I, JOEL P. HEACOCK, of Marlboro, in the county of Stark and State of Ohio, have invented a new and Improved Coopers' Tool for Overshaving; 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 a part of this specification.

The nature of my improvement in a coopers' tool consists in combining in one implement a tool for smoothing or dressing the outside of the staves of a barrel, within a very short distance of the chime hoops, and then by simply changing its position I bring a second knife or blade into use and finish the short distance or space next the hoops, previously left. It possesses the advantages of greatly facilitating the finishing operations on the barrel, as it not only effects the object in a very superior manner, but in half the time. It combines all the properties of a smoothing plane from the construction of it, with a throat and double bit, united, to the facility of the drawing knife (also provided with a double bit).

In the accompanying drawings the tool is represented by Figure 1, front view; Fig. 2, the rear thereof; Fig. 3, cups or second bit; Fig. 4, the cutting bits or blades; Fig. 5, cross section, exhibiting the angle of the blades.

A, A, is the stock or body of the tool, formed of metal, in its figure corresponding with that of the drawing; b, b, shanks furnished with wooden handles. The plate A, has a raised back, C, at an angle of about 45 degrees. This is perforated with a longitudinal slot or opening d, corresponding with the breadth of the bit or blade e. The plate A, has a thick back gradually

diminishing to a dull edge, see Fig. 5, thus giving the blades an angular position relatively to the face of the plate. The underside or face is made smooth and true.

B is a cap or second bit; D, D, clamping screws passing through the cap and tapped in the thickness of plate A. It is between this cap and A that the steel blades e, e, are confined.

In using the tool hold the barrel in the ordinary way, apply the throat side to the stave, as near the upper hoop as possible, and work from you, shaving down to the bilge. In the use of this side the most crossgrained stuff can be planed perfectly smooth. To finish the dressing turn the drawing knife in contact with the barrel and draw toward the hoop, that is upward, and so continue around the barrel. The lower end is similarly dressed.

When it is considered what an enormous number of barrels are manufactured and that hand labor is employed on the larger number of them, any improvement in the implement of the trade by which facility of operation may be obtained deserves consideration.

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

The constructing of a coopers' tool in the manner substantially as described, for the purpose of overshaving as set forth in the foregoing specification and accompanying drawings.

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

JOEL P. HEACOCK.

Witnesses:

WM. T. CLARKE,

JOHN S. HOLLINGSHEAD.