R. Henderson,

Planer Chuck.

No. 91,625. Patented June 22. 1869.

Fig: 2

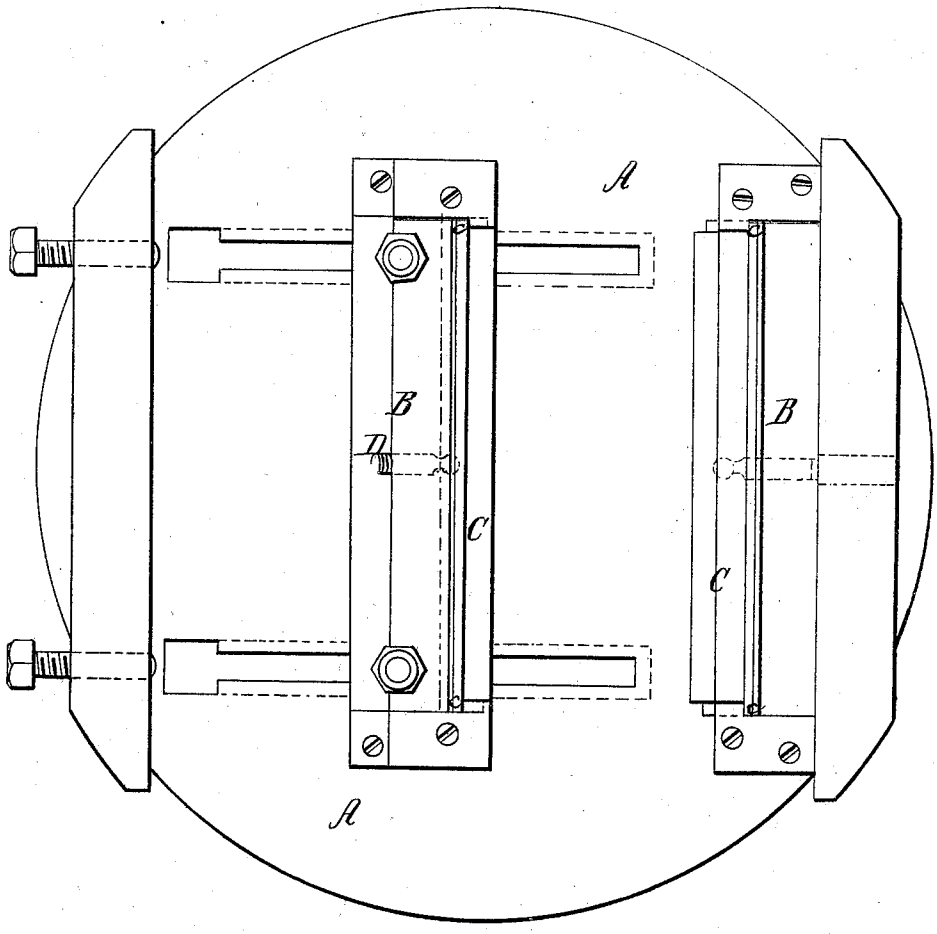
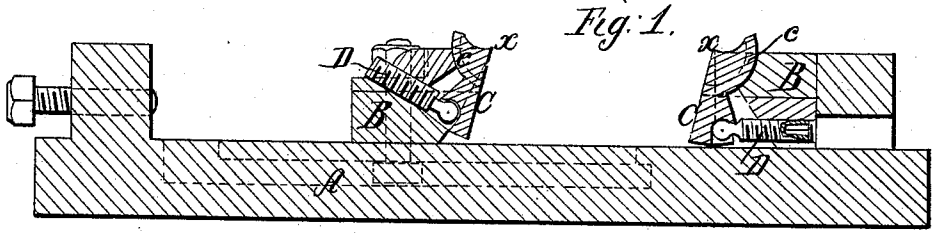


Fig: 1.



Witnesses;
W. Coombs
Fred: Haynes

Inventor;
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per Brown Coombs & Co

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United States Patent Office.

ROBERT HENDERSON, OF THOMASTON, CONNECTICUT.

Letters Patent No. 91,625, *dated June* 22, 1869.

IMPROVED PLANER-CHUCK FOR HOLDING BODIES OF DIFFERENT SHAPE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ROBERT HENDERSON, of Thomaston, in the county of Litchfield, and State of Connecticut, have invented a new and useful Improvement in Chucks for Iron-Planers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form part of this specification, and in which—

Figure 1 represents a vertical section of a chuck, constructed according to my invention; and

Figure 2 represents a plan view of the same.

Similar letters of reference indicate corresponding parts in both figures.

The object of this invention is to provide for the more convenient holding of such articles requiring to be planed as have bevelled sides.

Referring to the accompanying drawings—

A represents a chuck, of ordinary construction, to which are applied parallels B B.

Said parallels B B may be made to constitute the regular fixed and movable parallel jaws of the chuck, or may be supplemental thereto, and used between them, as may be desired.

They are substantially the same as those heretofore used for the holding of square surfaces, except that in addition thereto they are formed with suitable recesses therein for reception of adjustable jaws C C, with which they are provided.

These jaws are of such forms in their transverse sections as are represented in fig. 1.

They are each so fitted within the said recesses of their respective parallels B B as to be susceptible of an oscillatory or partially-revolving motion, the points *x x* being their respective axial centres of motion, and are retained in place therein by means of concentric arc-formed ears, *c*, upon their extremities, which fit within correspondingly-formed portions of the said recesses.

For varying their degrees of obliquity, the said jaws are operated by threaded bolts or screws D D, which are made to pass through the said parallels B B, and connect with said jaws by means of ball-and-socket joints, as shown, so that the screwing in or out of the said bolts or screws D D will vary the positions of the faces of said jaws relatively to the face of the chuck.

What I claim as my invention, and desire to have secured by Letters Patent, is—

The operating-screw D, combined with the parallel B and the adjustable jaw C, substantially as and for the purpose herein set forth.

Witnesses: ROBERT HENDERSON.

SAMUEL GEDDES,

H. I. BOUGHTON.