F. RAUH.

PLANING TOOL.

No. 181,594. Patented Aug. 29, 1876.

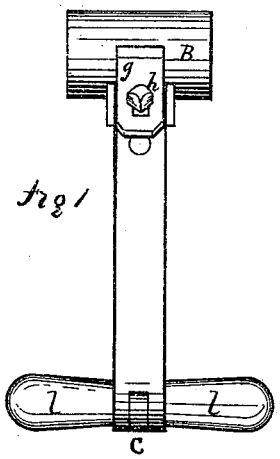

fig 1

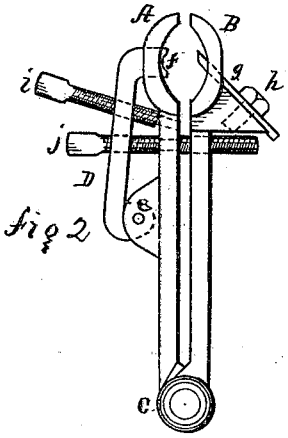

fig 2

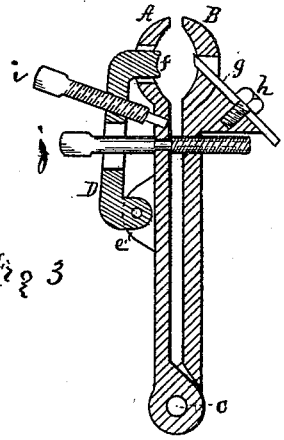

fig 3

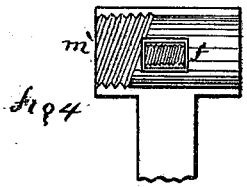

fig 4

Witnesses

Wesley Johnston

B. Le. Johnston

Inventor

Frederick Rauh

By A C. Johnston

His Attorney

UNITED STATES PATENT OFFICE.

FREDERICK RAUH, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN PLANING-TOOLS.

Specification forming part of Letters Patent No. **181,594**, dated August 29, 1876; application filed June 19, 1876.

To all whom it may concern:

Be it known that I, FREDERICK RAUH, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented Improvement in Planing-Tools; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in planing-tools for planing cylindrical articles of wood; and consists of three jaws, pivoted together, and furnished with adjusting-screws, adjustable cutter, and handle, combined, arranged, and operating with relation to each other, as hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the drawings, Figure 1 is a side view of my improvement. Fig. 2 is a front view. Fig. 3 is a vertical section. Fig. 4 is a broken section, showing the interior of the pivoted jaws.

The jaws A and B are pivoted at C, and are provided with a handle, *l*. The jaw D is pivoted to the jaw A at *e*, the end *f* of which passes through an aperture in the jaw A, as shown in Figs. 2, 3, 4. The jaws are adjusted through the medium of screws *i* and *j j*, the screw *i* adjusting the jaw D, and the screw *j* adjusting the jaw A with relation to the jaw B, the jaw D being used with relation to the jaw B, for the purpose of planing articles of small diameter, the jaws A and B being used for planing articles of larger diameter. The jaws A and B are furnished with screw-threads, as indicated at *m* in Fig. 4. The end *f* of the jaw D is also furnished with screw-threads, as indicated at *m'* in Fig. 4. The jaw B is furnished with an adjustable plane-bit, *g*, held in position by means of the set-screw *h*.

The operation of my improvement is as follows: The jaws are adjusted with relation to the diameter of the cylindrical article to be planed, so that the screw-threads of the jaws will impinge upon it, and, by revolving the tool around the article, the bit *g* will plane or cut off the surface in proportion to the cut given to it, the screw *m* gradually leading the tool along the cylindrical article.

Having thus described my improvement, what I claim is—

The combination of the jaws A, B, and D, adjusting-screws *i* and *j*, and plane-bit *g*, arranged and operating with relation to each other, substantially as herein described, and for the purpose set forth.

FREDERICK RAUH.

Witnesses:

A. C. JOHNSON,

GEORGE HIRSCHINGER.