

J. A. TRAUT.

DEVICE FOR ADJUSTING PLANE-IRONS.

No. 186,281.

Patented Jan. 16, 1877.

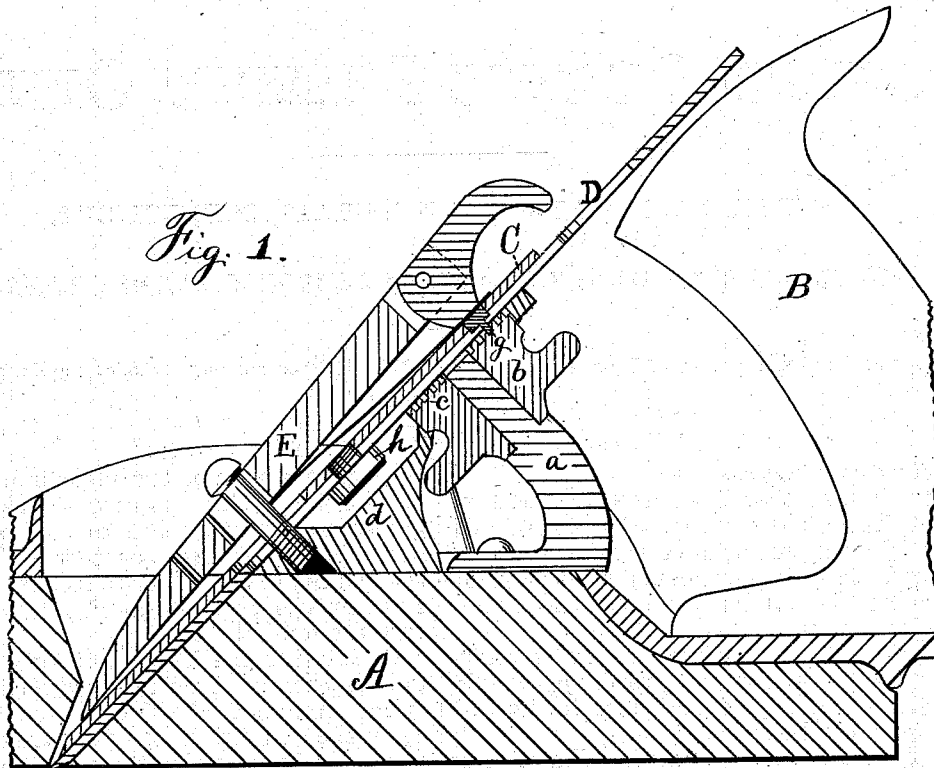
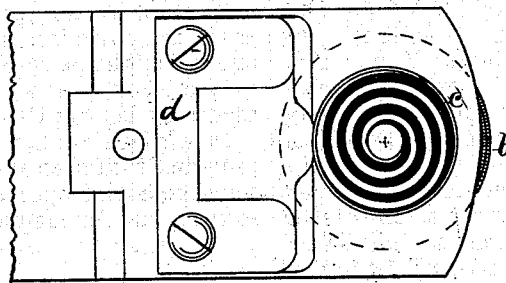


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

JUSTUS A. TRAUT, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN DEVICES FOR ADJUSTING PLANE-IRONS.

Specification forming part of Letters Patent No. **186,281**, dated January 16, 1877; application filed January 24, 1876.

To all whom it may concern:

Be it known that I, JUSTUS A. TRAUT, of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Devices for Adjusting Plane-Irons, of which the following is a specification:

My invention consists in the employment, in a plane-stock, of a revolving handle provided with a scroll-thread upon its face, all as hereinafter described:

In the accompanying drawing, Figure 1 is a central longitudinal section of a plane, showing an adjusting device which embodies my invention. Fig. 2 is a plan view of detached parts thereof, showing the frog and scroll-thread.

The stock A and handle B may be of any ordinary construction, and either of wood or iron. The cap-plate C and plane-iron D, together with the fastening device E, may also be of any construction now known. Upon an arm, *a*, or other support secured to the body of the stock A, I place a revolving handle, *b*, the edge of which is made in a convenient form to be rotated by hand, and the upper face of which is provided with a scroll-thread, *c*. This revolving handle and scroll is so secured to the stock that its face will be nearly in line with the face of the frog *d*, which supports the plane-iron. I form a lug, *g*, on the cap-plate C, which projects downward, and

through the slot in the plane-iron D. The plane-iron and its cap-plate are secured together by the screw *h* in the ordinary manner, so that both move together. The lug *g* is so placed in the cap-plate that when in position for use, as shown in Fig. 1, it engages with the scroll-thread *c*.

By rotating the handle *b* in one direction the lug *g* will be thrown toward the outer end of the scroll, and it will carry the cap-plate and plane-iron with it, and draw them into the stock A. By reversing the movement of the scroll-thread the lug and plane-iron are carried in the opposite direction, whereby any desired adjustment of the plane-iron may be effected.

I have herein described the lug *g* as set in the cap-plate C; but it is evident that the result would be the same in case the lug *g* were set in the plane-iron D, and that more than one lug might be employed, if desired.

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

In a plane-stock, the revolving handle *b*, provided with a scroll-thread, *c*, upon its face, constructed and operating substantially as described, and for the purposes set forth.

JUSTUS A. TRAUT.

Witnesses:

T. A. CONKLIN,
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