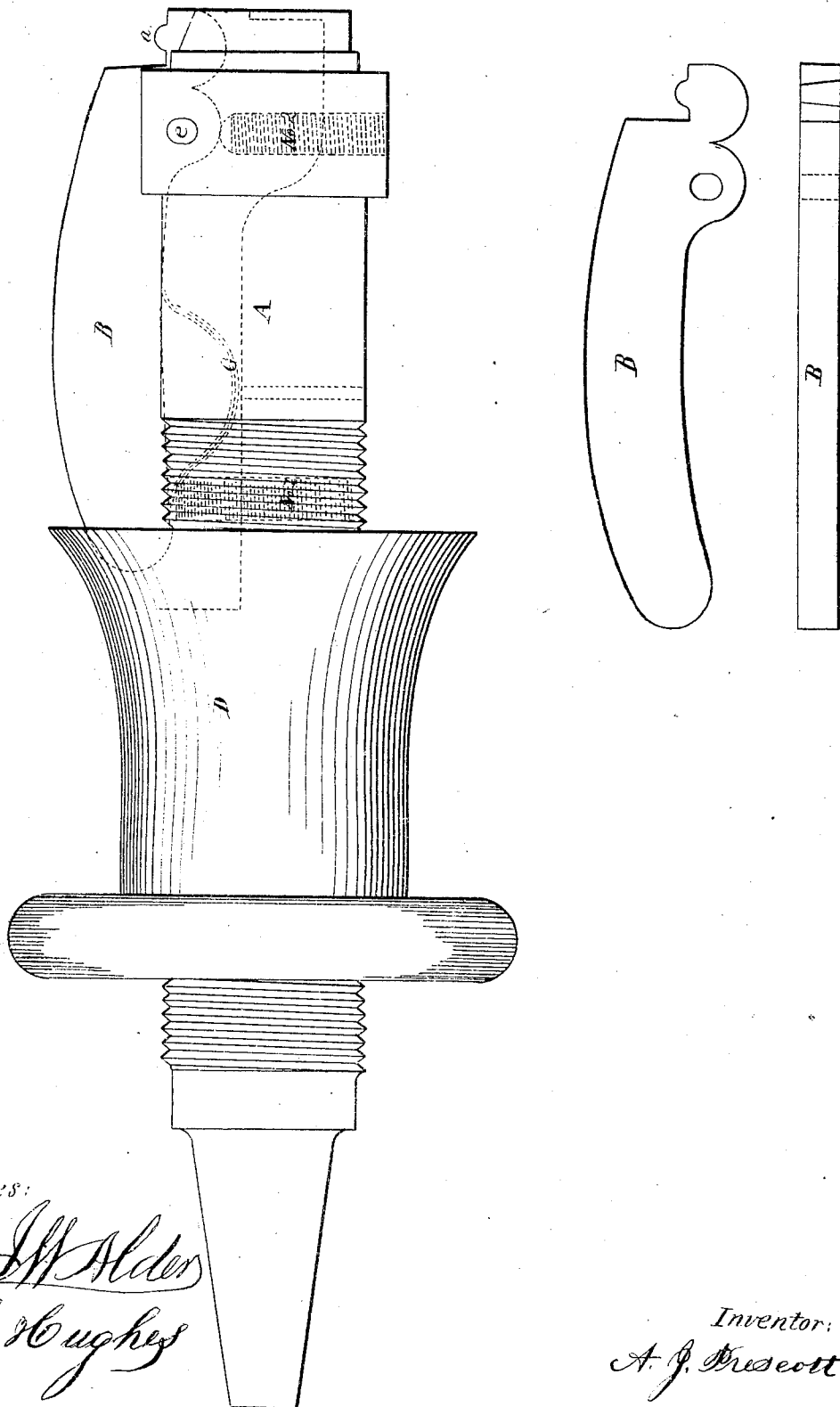


A. J. Prescott.

Tool.

N^o 73648

Patented Jan. 21, 1868.



Witnesses:

W. Alder
M. G. Hughes

Inventor:

A. J. Prescott

United States Patent Office.

ANDREW J. PRESCOTT, OF CATAWISSA, PENNSYLVANIA.

Letters Patent No. 73,648, dated January 21, 1868.

IMPROVED TOOL.

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, ANDREW J. PRESCOTT, of Catawissa, in the county of Columbia, in the State of Pennsylvania, have invented a new and useful Tool, for the purpose of cutting grooves in the holes of flue-sheets, by means of which grooves the flues are better secured to the sheets, and for other like purposes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

A is a slotted mandrel, of iron, steel, or other suitable material, one end being of proper size to fit the holes which are to be grooved, and having a shoulder, to rest against the face of the sheet, which serves to guide the tool. B is a movable cutter, having a projection at *a*, for cutting a groove of the desired form. This cutter is placed in the groove in the mandrel, and is there pivoted by means of a pin, *e*. The hole in the mandrel, through which this pin passes, is elongated, as represented. The object in having this hole made in this way is to accommodate the cutter to the size of the hole in which the groove is to be cut, and also to assist in regulating the depth of the groove. C represents a spring, which serves to press outward the outer end of the cutter. D represents a feed-nut with a flaring mouth, which fits over the outer end of the cutter-shaft, and when screwed down on the mandrel, throws out the projecting point *a* of the cutter.

No. 1 is a stop-screw, which may be set to gauge the cutter to any desired depth of groove.

No. 2 is a pivot, which serves to throw the cutting-point or projection *a* outward, and adapts it to slight variations in the size of holes.

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

1. The cutter-shaft B, provided with the cutting projection *a*, pivoted in a slot in the mandrel, through an elongated hole, and adjusted in one direction by means of the pivot-screw 2, substantially as herein set forth for the purpose specified.

2. The feed-nut D, provided with a flaring mouth, in combination with the stop-screw 1, mandrel A, and the cutter-shaft B, constructed substantially as and used for the purpose set forth.

ANDREW J. PRESCOTT.

Witnesses:

I. W. ALDER,

M. G. HUGHES.