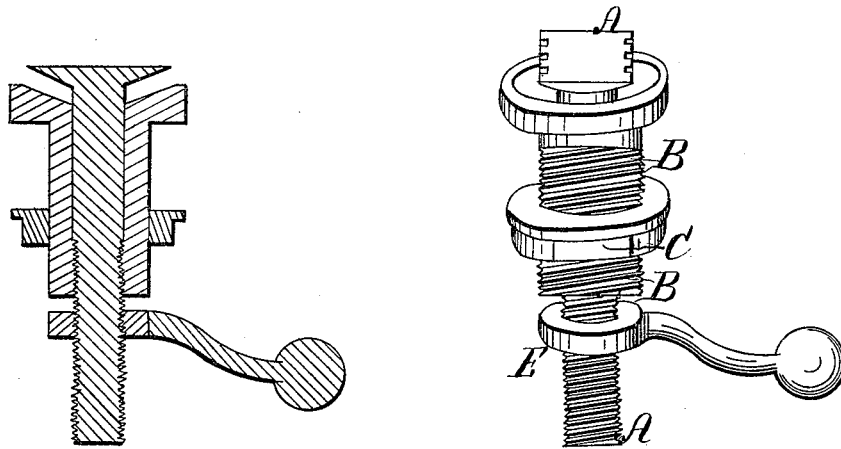


P. P. Cowles.

Bench Dog.

No. 5,619.

Patented June 6, 1848.



UNITED STATES PATENT OFFICE.

PROCTOR P. COWLES, OF CABOTVILLE, MASSACHUSETTS.

HOOK FOR JOINERS' BENCHES.

Specification of Letters Patent No. 5,619, dated June 6, 1848.

To all whom it may concern:

Be it known that I, PROCTOR P. COWLES, of Cabotville, in the county of Hampden and State of Massachusetts, have invented
5 a new and Improved Rotary Bench-Hook; and I do hereby declare that the following is a full and exact description of the construction and operation of the same, reference being had to the annexed drawings,
10 making a part of this specification.

The bolt or screw A A has a round smooth surface one half of its length so as to make a complete fit to the cylinder B B at the top, the lower half of which has a screw fitted to
15 a female screw on the inner surface of the cylinder B B, by which it can be raised or dropped by a turn with the fingers, and made fast by a turn of the binder E against the cylinder B B.

20 The cylinder B B has a large round head which is sunk in the bench to the plane of its surface, and firmly fixed by a turn of the washer nut C against the under surface of the bench. The cylinder B B also has a
25 counter sink sufficient to receive the hook

A which is attached to the bolt A which passes through the cylinder B B and can be raised as aforesaid or dropped to the surface of the bench at pleasure.

The hook A attached to the bolt A is so
30 constructed as to meet a two fold purpose, that of a hook and a smooth stop, and is made square with teeth on two sides, and smooth on the sides so that it may be used for the nicest work without marring its sur-
35 face.

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

The construction of the within specified rotary bench hook with its revolving facili-
40 ties by which the hook can be set and made fast by a turn of the binder E in any angle with the bench with smooth or hook edge, together with the manner in which the cylinder is made and fastened.

PROCTOR P. COWLES.

Attest:

JAMES G. WARREN,
DANIEL B. WHIPPLE.