

(No Model.)

S. H. GARRETT.
Boring Gage for Bits.

No. 242,918.

Patented June 14, 1881.

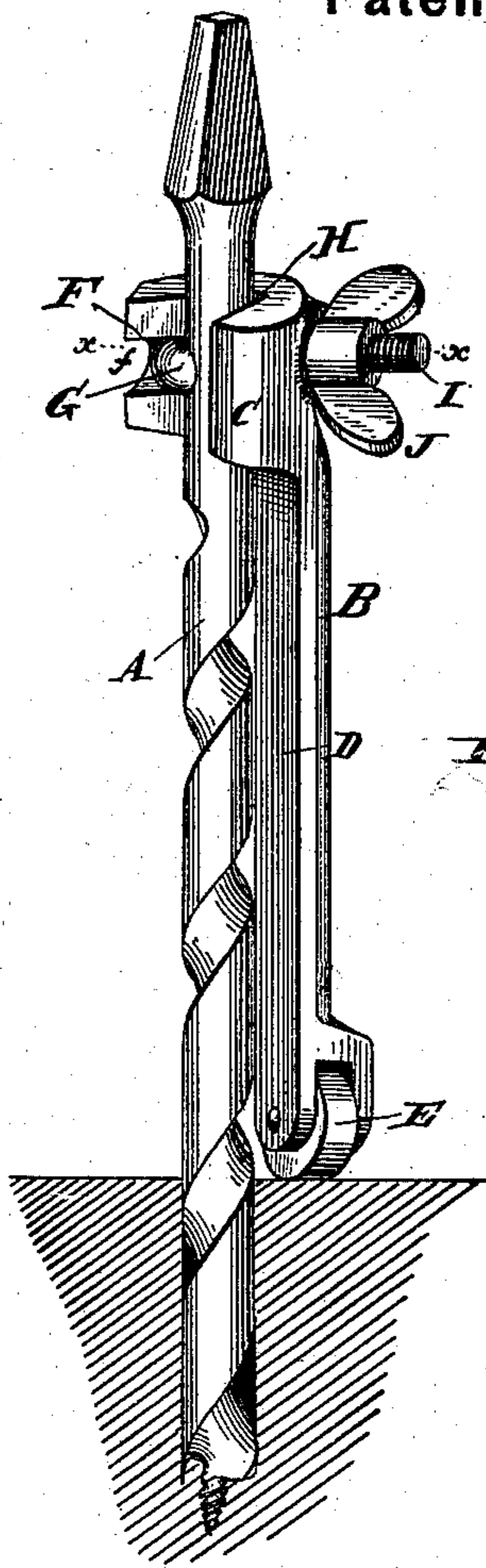


Fig. 1

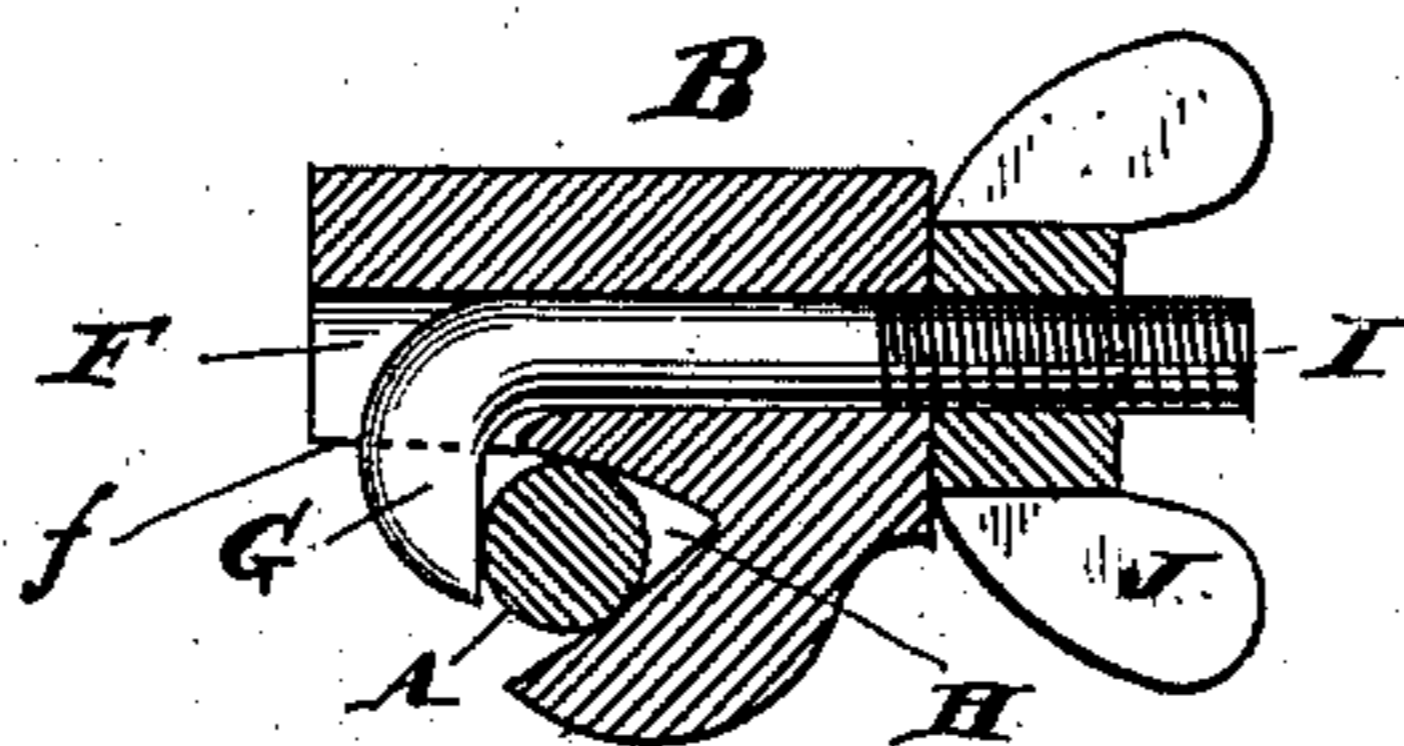


Fig. 2

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UNITED STATES PATENT OFFICE.

SAMUEL H. GARRETT, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-THIRD TO JOSEPH B. SHEPPARD, OF SAME PLACE.

BORING-GAGE FOR BITS.

SPECIFICATION forming part of Letters Patent No. 242,918, dated June 14, 1881.

Application filed April 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL H. GARRETT, of the city and county of Philadelphia and State of Pennsylvania, have invented an Improvement in Boring-Gages for Bits, of which the following is a specification.

My invention has reference to bit-gages or mechanism to govern the depth of the hole bored; and it consists of a shank carrying a friction-roller at its lower end and provided at the top with novel means to secure the same to the bit, which in turn is secured to the brace, all of which is more fully set forth in the following specification, and shown in the accompanying drawings, which form part thereof.

The object of this invention is to gage or govern the depth of the hole bored by the brace-bit, and the object of my improved construction is to provide the shank with means whereby with a single screw it may be firmly secured to bits of various diameters; and, further, to provide a friction-roller to prevent the end of the shank cutting into the wood, injuring the surface, and requiring extra power to bring the descent of the bit to a stop.

In the drawings, Figure 1 is a perspective view of my improved bit-gage secured to a bit. Fig. 2 is a cross-section of same on line *x x*.

A is the bit, and B the gage, which latter is composed of a shank, D, carrying at the bottom a friction-roller, E, and at the top a socket-piece, C, provided with a triangular socket or groove, H, having sides parallel to the shank. This socket-piece C is provided with a hole, F,

which opens in the socket H at one end, as at *f*. Through this hole a bolt, I, having a prong, G, which is bent at right angles to the shank, passes, and the prong slides in the slot *f*. The end of the bolt I is threaded and is provided with a thumb-nut, J.

By the angular or V socket or groove H and the single prong G forming the remaining side of the triangle, any sized bit may be received and firmly clamped. The groove forming the socket for the reception of the bit being of some length, the prong G clamps the bit firmly against the two walls of the socket and causes the shank D to lie parallel with the bit.

The roller E allows the brace to be rotated easily after the shank causes it to touch the wood.

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

A bit gage or stop consisting of a rod having an anti-friction roll at the bottom and a clamp screw or bolt at the top, extending through the rod so as to hook round the bit and hold it pressed into the V-groove parallel with the rod, substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

SAMUEL H. GARRETT.

Witnesses:

R. M. HUNTER,
P. A. CAVIN.