

R. L. PRIESTER.

Improvement in Augurs for Boring Boxes.

No. 120,827.

Patented Nov. 14, 1871.

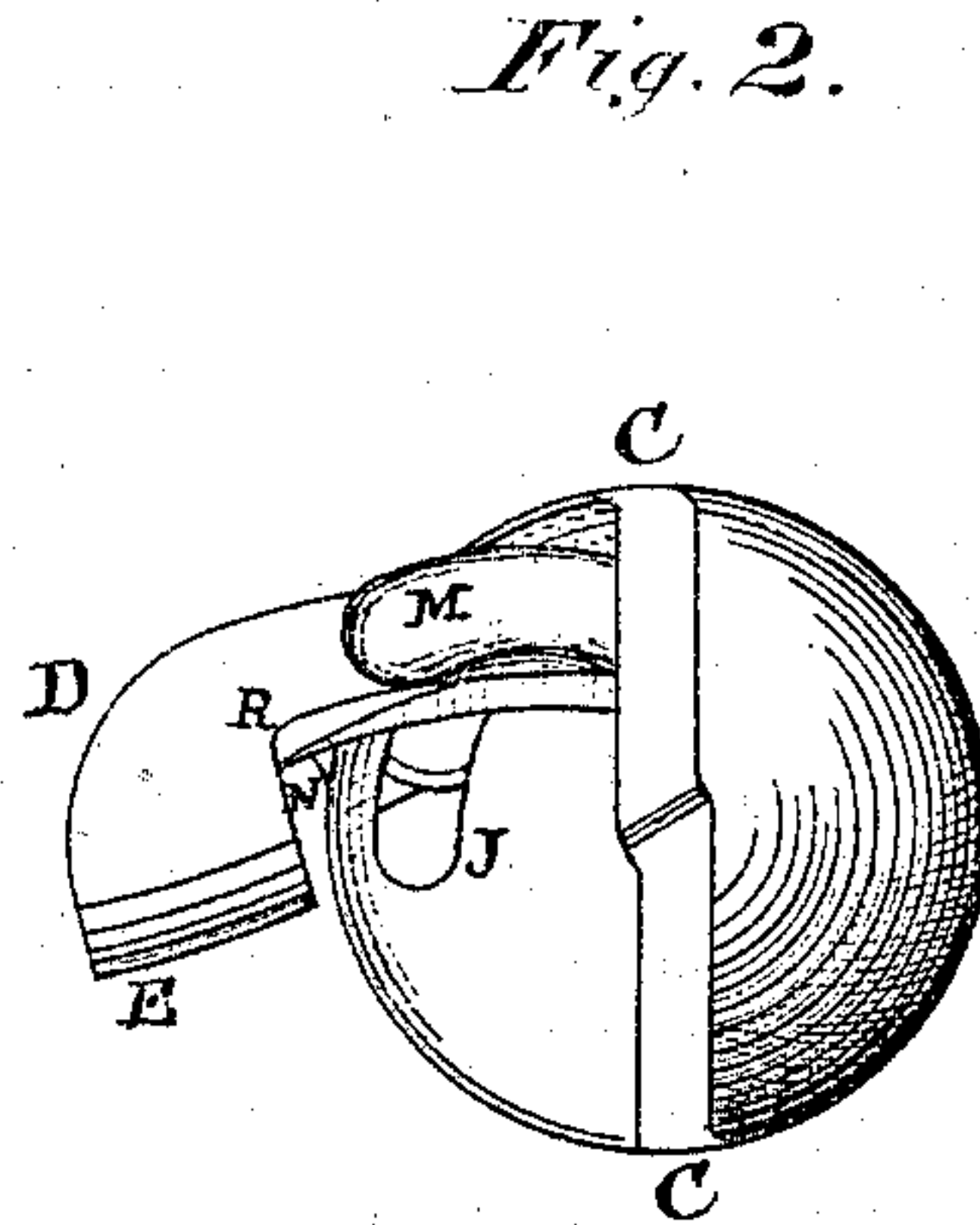
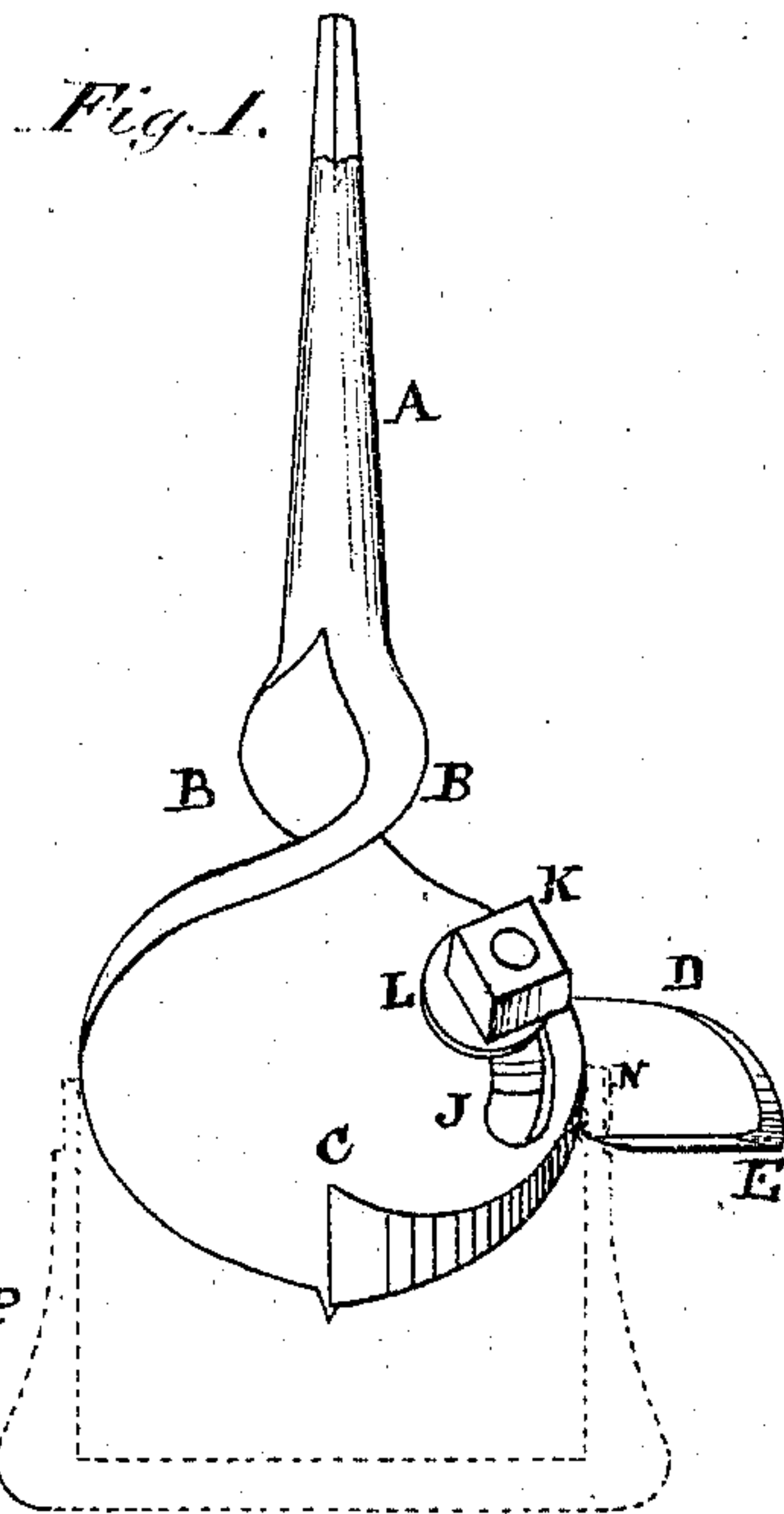


Fig. 5.

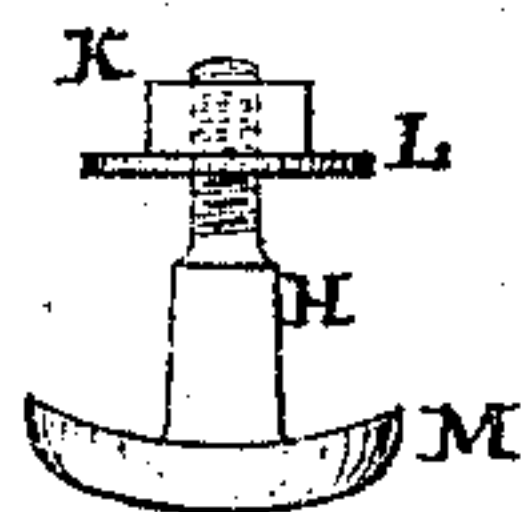


Fig. 3.

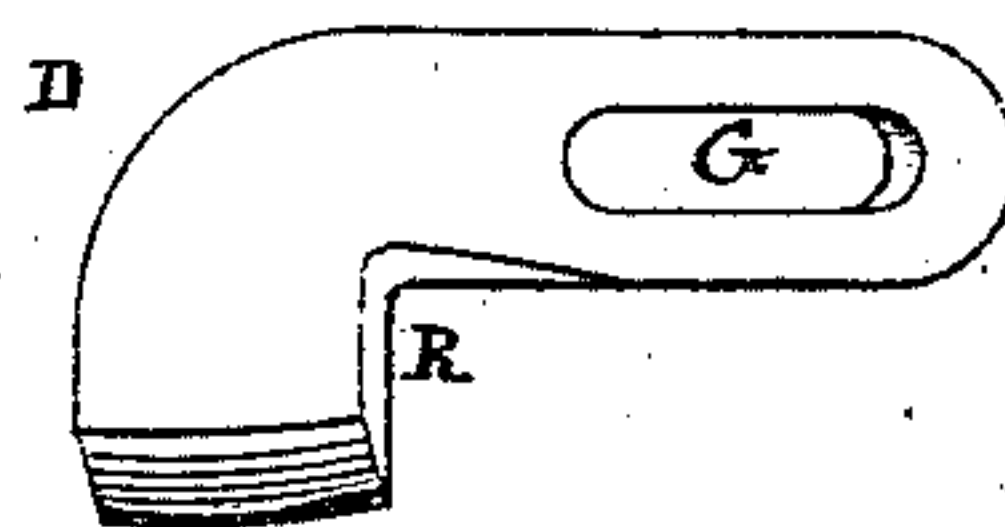
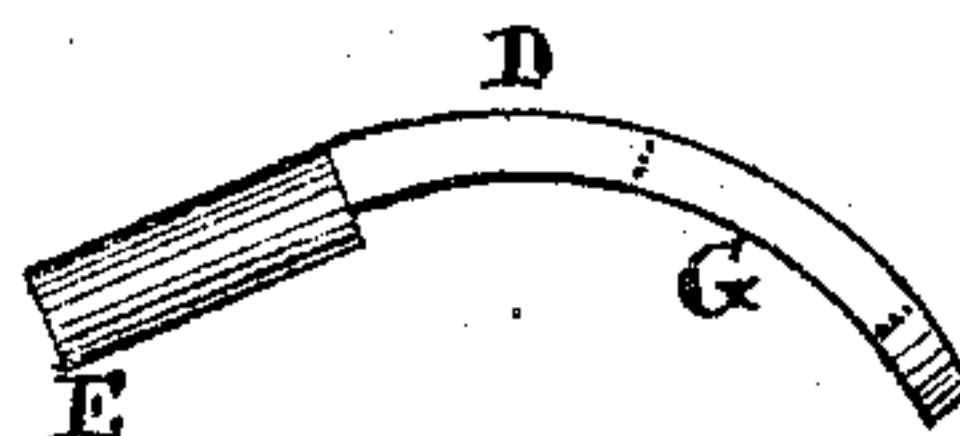


Fig. 4.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

ROBERT L. PRIESTER, OF SOUDER'S STATION POST OFFICE, MARYLAND.

IMPROVEMENT IN AUGERS FOR BORING BOXES.

Specification forming part of Letters Patent No. 120,827, dated November 14, 1871; antedated November 4, 1871.

To all whom it may concern:

Be it known that I, ROBERT L. PRIESTER, of Francony township, (Souder's Station Post Office,) Montgomery county, State of Maryland, have invented a new and useful Auger for Boring Boxes and Box-Lids; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification, in which—

Figure 1 represents a vertical view of the auger in operation boring into a block of wood to form the inside of a box and at the same time cutting and forming the edge and shoulder for the top or lid of the box to be fitted upon. Fig. 2 is an under-side view of the auger. Fig. 3 represents a top view of the adjustable cutter or side bit that is used to cut the edge and shoulder of the box. Fig. 4 is a side view of the adjustable cutter, exhibiting its curved shape. Fig. 5 represents a side elevation of the bolt and nut by which the adjustable cutter is adjusted and firmly fastened to the flange of the auger, the head of the bolt being oblong and curved to correspond with the shape of the cutter.

The nature of my invention consists in the construction of the curved and adjustable cutter in combination with the flange of the cutting-auger and its tightening-bolt, to cut the top edge and shoulder of the box for the lid to fit upon at the same time that the interior of the box is being bored out.

A represents the stem, to be fitted into the handle of the auger; B B, the flanges of the auger; C, the cutting-edge of the auger; D, the curved bit, having a cutting-edge, E, in front and an

oblong aperture or slot, G, in the rear end, through which the bolt H passes to hold the bit to the lower side of the flange B. J is a corresponding slot in the flange B through which the bolt H passes. K is the nut that is screwed onto the bolt on the upper side of the flange, having a washer, L, between the nut and the flange to assist in slipping the bolt up or down in the slots G and J when the cutter E is being adjusted and tightened to the flange B. M is the oblong head of the bolt H, slightly larger than the slot G, and curved to correspond with the curve of the adjustable cutter D. The cutter D is adjusted outward until the space N is of the width required for cutting the top edge and shoulder of the box, (the box P being represented in dotted lines;) and as the auger is boring into the box and forming the box on the inside, the cutter D, with its cutting-edges E and R, cuts and forms the top edge for a lid to fit upon; and when the lid is to be bored out the same kind of an auger is used—about one-eighth of an inch wider below—and the lid never fails to fit the box closely, with perfect exactness.

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

The curved and adjustable cutter D with its cutting-edges E and R, when combined and operating on the slotted flange of the cutting-auger C, as herein described and for the purposes set forth.

ROBERT L. PRIESTER.

Witnesses:

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EDM. F. BROWN.

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