

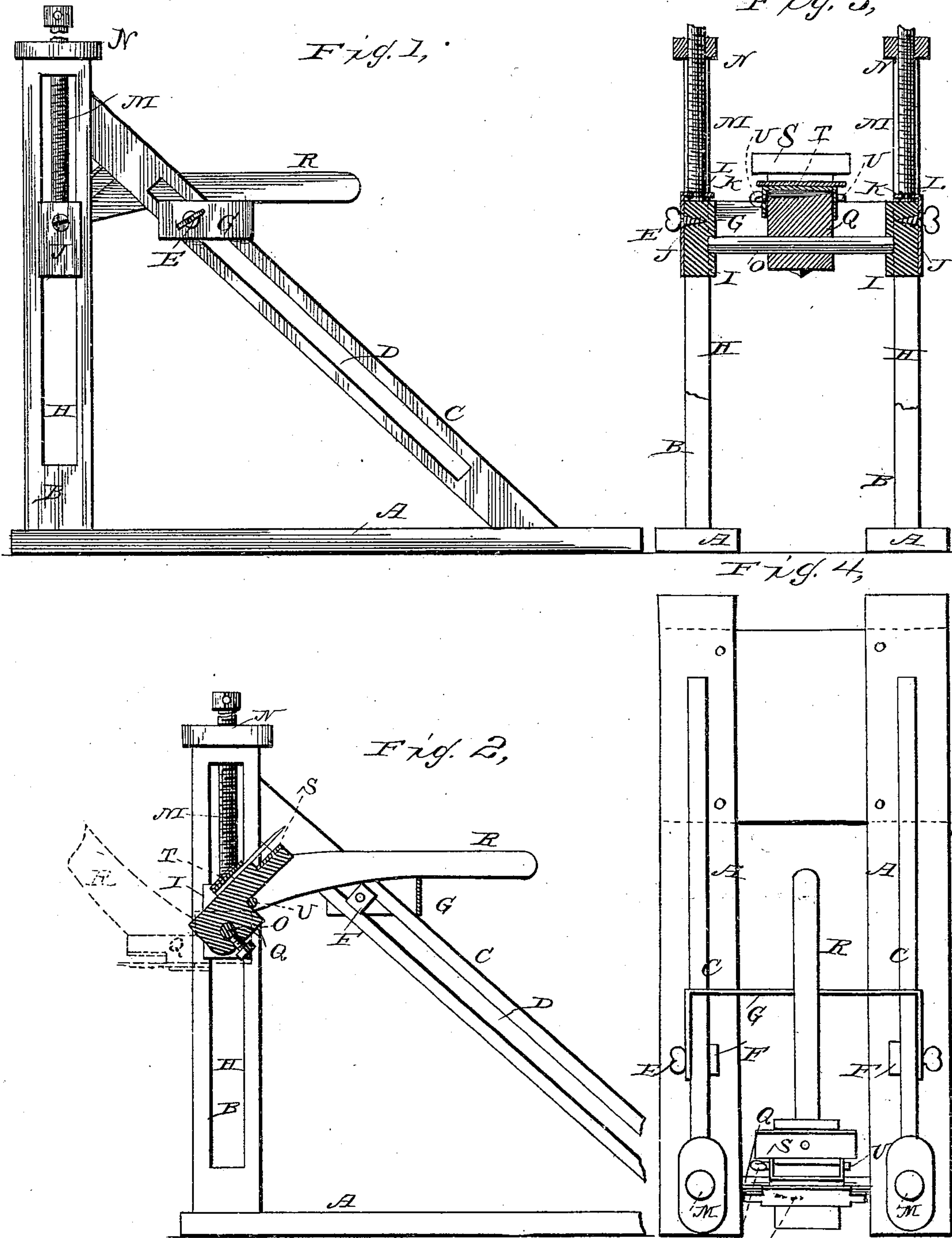
(No Model.)

J. CARREER.

KNIFE POLISHER AND GRINDER.

No. 265,577.

Patented Oct. 10, 1882.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN CARREER, OF REYNOLDS BRIDGE, CONNECTICUT.

## KNIFE POLISHER AND GRINDER.

SPECIFICATION forming part of Letters Patent No. 265,577, dated October 10, 1882.

Application filed June 26, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN CARREER, of Reynolds Bridge, in the county of Litchfield and State of Connecticut, have invented certain  
5 new and useful Improvements in Apparatus for Grinding and Polishing Knives; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it  
10 appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to machines for grinding and polishing knife-blades, and has for its  
15 object to provide a device that will lessen the labor and at the same time be simple, durable, inexpensive, and efficient.

To this end it consists in certain improvements in the construction and operation of the  
20 same.

In the drawings, Figure 1 is a side view of the machine; Fig. 2, a vertical longitudinal sectional view thereof; Fig. 3, a vertical transverse section, and Fig. 4 a top view.

25 Referring by letter to the drawings, A A designate two horizontal base-pieces, by which the device may be secured to a table or stand in front of the grindstone or direct on the frame of the latter. They are provided at one of  
30 their ends with upright standards B B, near the tops of which are secured rearward-inclined guides or braces C C, having longitudinal slots D D, in which is adjustable, by means of set-screws E E and blocks F F, a bail-shaped cross  
35 rest or brace, G, as shown. The standards B B are provided with vertical slots H H, in which work blocks I I, having secured to their outer ends plates J J, provided with a horizontal extension, K, at their tops, which extends in the  
40 slots and embraces a groove, L, around the lower end of an upright lifting or adjusting

screw, M, having bearings N in the top of the standards. The blocks are thus vertically adjustable and carry a cross shaft or brace, O, on which is arranged a holding-lever. The latter comprises a boxing, Q, laterally adjustable  
45 on the shaft O and provided with a handle, R, which is adapted to rest on brace G when turned up to the position shown in full lines, Fig. 2. The face of the boxing Q is provided  
50 with a plate, S, at its top, on which the blades are to be fastened to grind flat or concave, and below this with a plate, T, held in place by a transverse pin or bolt, U, on which the blade is to be secured to be ground full or convex.  
55

The operation and advantages of my invention will be readily understood. The blades are secured on the boxing of the lever and the latter turned and held over to bring them in contact with the stone, as in dotted lines, Fig.  
60 2. The lever is readily adjustable with respect to the stone, and its relative angle thereto can be regulated.

I claim and desire to secure by Letters Patent—  
65

The combination, with the base-pieces having the upright standards and inclined guide-braces provided with an adjustable cross rest or brace, the standards carrying vertically-adjustable blocks connected by a transverse shaft,  
70 of the block having a bearing on and laterally movable on said shaft, provided with means for holding the knife-blades and adapted to be turned over and held against the grindstone, substantially as set forth.  
75

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN CARREER.

Witnesses:

ELMER J. DUNBAR,  
JOHN CHAPMAN.