

J. Palmer,
Cutlery Scourer.

N^o 48,305.

Patented June 20, 1865.

Fig. 1.

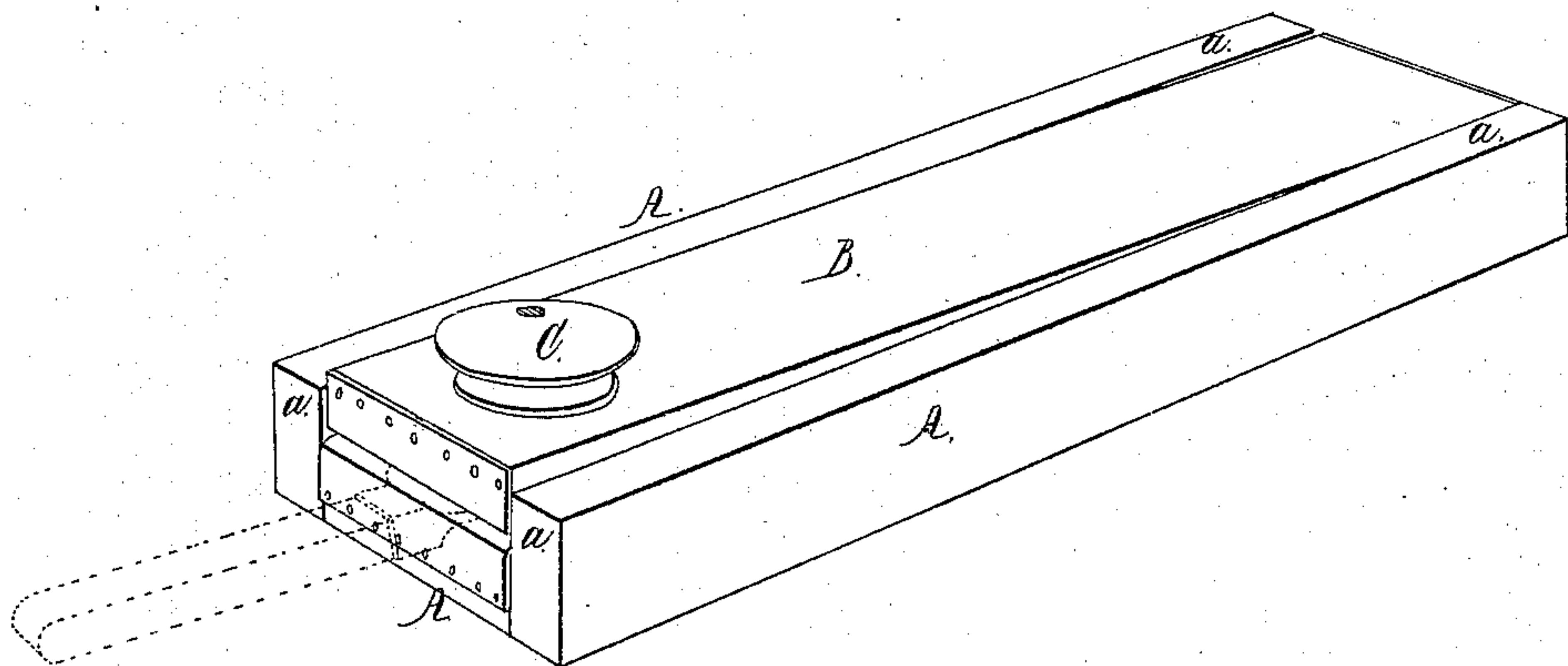


Fig. 2.

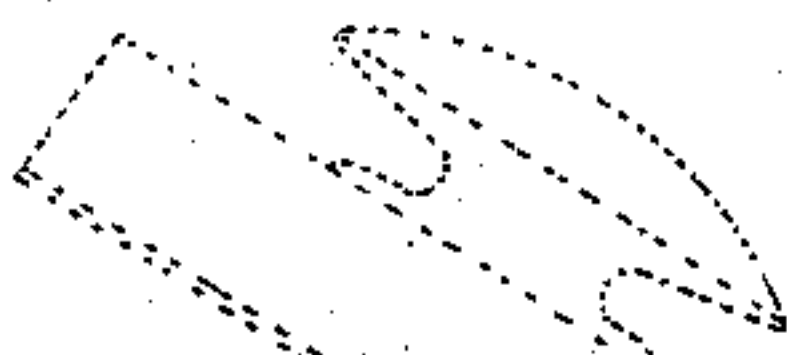
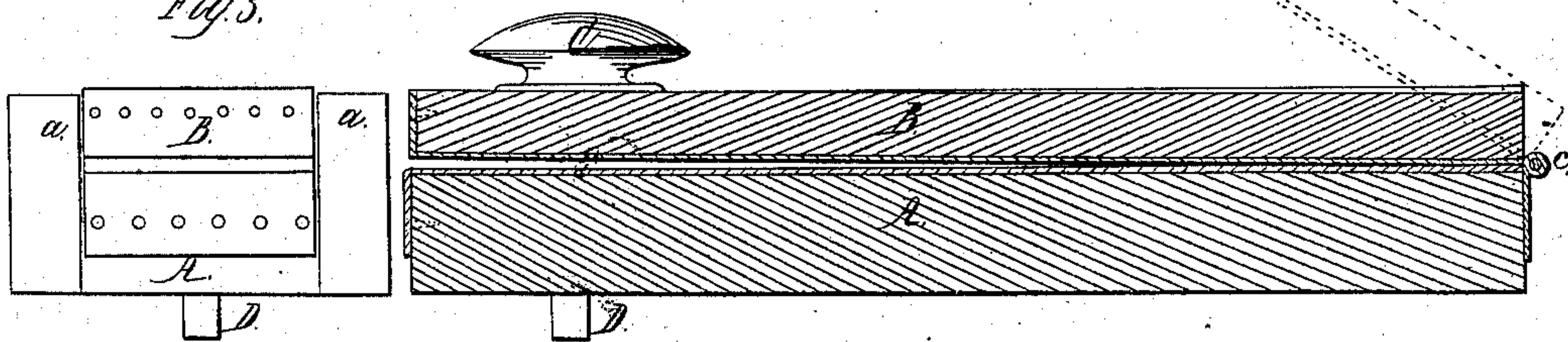


Fig. 3.



Witnesses:
R. F. Campbell
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by his Atty.
Mar. Perriole Loomer

UNITED STATES PATENT OFFICE.

JESSE PALMER, OF CLEVELAND, OHIO.

IMPROVED KNIFE-POLISHER.

Specification forming part of Letters Patent No. 48,305, dated June 20, 1865.

To all whom it may concern:

Be it known that I, JESSE PALMER, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and Improved Knife-Polisher; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my invention. Fig. 2 is a longitudinal section taken in a vertical plane through the polisher. Fig. 3 is a vertical cross-section through the same.

Similar letters of reference indicate corresponding parts in the several figures.

The object of my invention is to construct a knife-polisher in such manner that the buffers, between which the knife is moved, will act with greater force upon the point of the knife-blade, or that portion which requires the most rubbing to polish or clean it, and at the same time said buffers will conform to the longitudinal taper of the knife-blade, and act upon both sides thereof simultaneously, as will be hereinafter described.

To enable others skilled in the art to understand my invention, I will describe its construction and operation.

In the accompanying drawings, A represents an oblong box or trough, consisting of a horizontal bottom provided with side ledges, *a a*, and a hinged cover, B. This cover is hinged at *c* to one end of the trough A in such manner that when the free end of this cover is depressed the hinged end will slightly bind upon the upper surface of the bottom of the trough at and near the hinge, as shown in Fig. 2. The upper surface of the trough A and the bottom surface of the hinged cover B are lined with cloth, leather, or other suitable substance, which will act as a buffer for polishing the knife-blades, which are introduced one at a time between said surfaces, and polished by pressing upon the free end of the cover or upper buffer, and giving to the blades a longitudinal movement. While a knife is being polished it is confined between the two buf-

ing-surfaces by the side strips or ledges, *a a*, which not only prevent the blade from slipping out of place, but also keep the polishing-powder from escaping from the machine.

It will be seen that the hinged buffer B will conform to the longitudinal taper of the knives, so as to expose both surfaces thereof to the actions of the buffers when this buffer is pressed upon by the hand.

As the points of knives, particularly of table-knives, most generally require more rubbing to polish them than the rear portions, I have hung the buffer B so that it will press hardest upon the points of the blades, and with some degree of force upon the rear portions thereof at the same time.

The knob C, which is affixed at or near the free end of the buffer B, is used as a handle in the manipulation of this cover, and the pin D, which projects from the bottom of the trough A, is used as a means for affixing the machine temporarily to tables or other stationary objects for the purpose of keeping it steady during the operation of polishing knives.

I am aware that it is not new to employ two narrow hinged buffers for polishing knives; nor is it new to use two parallel buffing-surfaces for this purpose, and therefore I do not lay claim to these contrivances. The hinged buffers above referred to operate only upon a small portion of the knife-blades at a time, and do not conform to the longitudinal taper of the blades, nor act with greater force upon those portions which require the most rubbing. The parallel buffers are not hinged together, and consequently do not conform to the taper of the blades.

Having thus described my invention, I claim as a new and improved article of manufacture—

A knife-polisher constructed and operating as herein described.

JESSE PALMER.

Witnesses:

THOS. WHITEHEAD,
JAMES BROKENSIRE.