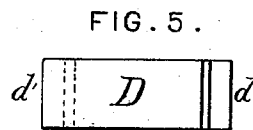
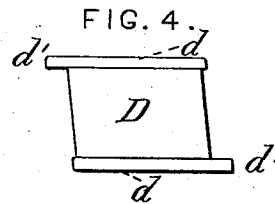
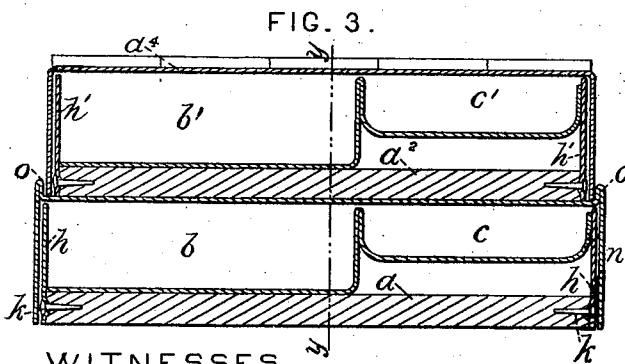
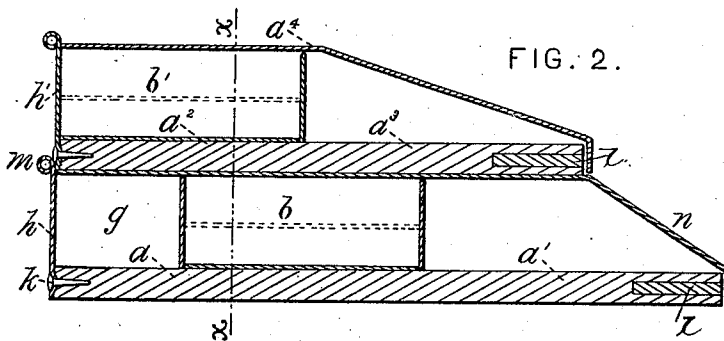
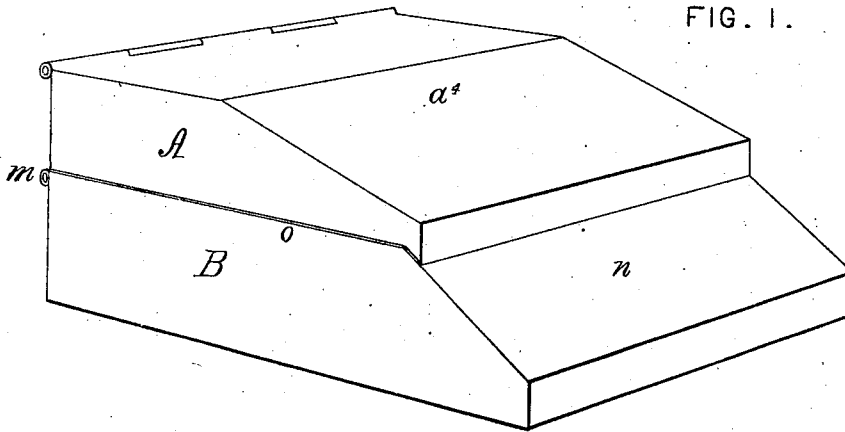


W. H. GOODCHILD.
POLISHING MACHINE.

No. 184,962.

Patented Dec. 5, 1876.



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM H. GOODCHILD, OF NEW YORK, N. Y.

IMPROVEMENT IN POLISHING-MACHINES.

Specification forming part of Letters Patent No. **184,962**, dated December 5, 1876; application filed March 29, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. GOODCHILD, of the city, county, and State of New York, have invented certain new and useful Improvements in Knife and Fork Cleaners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to provide convenient means for the cleaning of silver and steel knives, forks, and spoons. I employ two boxes, each being so arranged as to entirely separate the different grades of cleaning or polishing material used therein from that used in the other, to prevent any scratching of the face of the silverware; each box also having two sections or boxes therein, for holding the said cleaning material in a wet and dry state separately; and each having rubbing-surfaces convenient to the cleaning material, upon which the articles to be cleaned can be laid to be operated upon. I also provide an improved hand rubber or polisher, the rubbing-faces of which project over the body thereof, the whole arrangement being adapted to secure convenience, compactness, and comely appearance.

In the annexed drawings, Figure 1 is a perspective view of the boxes A and B. Fig. 2 is a longitudinal section on the line *y y*, Fig. 3. Fig. 3 is a cross-section on the line *x x*, Fig. 2. Figs. 4 and 5 are side and top views of rubber D.

Similar letters of reference indicate like parts.

The cleaner-box B is arranged for the cleaning of silverware. Its board bottom *a*, of suitable thickness, extends quite its full length and width. The front portion *a'* of the same is the surface upon which the cleaning is performed. Back of *a'* are the boxes *b* and *c*. Box *b* is a receptacle for the dry polishing material, and box *c*, which I prefer to make of less depth than *b*, as shown, is soldered water-tight, and is intended to receive so much of the dry material from *b* as it is desired to wet or moisten. The stock of material in *b* can thus be always kept dry for a finish polish. Back of *b* and *c* is a box, *g*, extending the full

width of B, which is intended to hold chamois-leather, generally used for wiping silverware. The rectangular frame *h* extends at its back and each side, to the bottom of the board *a*, and is strongly nailed thereto, as shown at *k*. The stiffness of *h* keeps the back portion of the board *a* from warping, which same effect is secured for its front portion *a'* by the cross-cleat *l*. On the back of *h* are formed portions of the hinge *m*, which unites the cover *n* to the body of the box. I form a recess in the top of the cover *n* by raising the projections *o* from each side thereof about the height of the hinge *m*. I form said recess for the purpose of holding and steadying box A upon box B when they are not in use, thus securing compactness when laid away in the closet. The hinge *m* is partially formed upon the cover *n*. The above description of lower box B will, on reference to the drawings, suffice to explain the construction and purpose of box A, when I add, that in A the box *g* is omitted, and the cover *a'* is hinged directly to the back of frame *h'*, which forms the back of the receptacles *b'* and *c'*, and is nailed to board *a''*, as is the frame *h* in box B. The board *a''*, with rubbing-face *a'''*, and the receptacles *b'* and *c'* on box A, are counterparts, in general construction, of the board *a*, rubbing-face *a'*, and receptacles *b* and *c* in box B. I bevel the fronts of the covers of both, to avoid angular corners and give them a comely appearance. My improved hand-rubber D is shown in Figs. 4 and 5. For the silver-cleaner B, in which whitening or other fine abradant is used in the boxes *c* and *b*, I prefer the two faces *d*, one for wet rubbing and the other for dry polishing, to be made of felt; and for the steel-cleaner A, in which harsher cleaning material is used, any suitable leather facings may be employed. The center or body of the rubber D is of wood, to which the faces *d* may be secured by water-proof glue or other proper means. The projecting edges *d'* of the faces *d* may extend from the sides of the wooden center of the block; but I prefer to project them from the ends thereof, as shown, for convenience in using the rubber. The purpose of said projections *d'* is to allow the thorough cleaning of the sides of the tines of forks, by rubbing them between and against said tines.

The boxes A and B having their separate divisions, operating-surfaces, covers, and rubbers D, the coarser polishing material in box A cannot mix with the finer material in box B, and scratch the face of silverware by being rubbed thereon. Ample room is provided beneath the closed covers of A and B to hold the rubbers D on the rubbing-surfaces of the boards *a* and *a*². Should it be desirable to fasten the covers of A and B at their fronts, any suitable spring-catch may be employed.

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

1. The knife and fork cleaning box A, with its receptacles *b'* *c'*, rubbing-surface *a*³, and

cover *a*⁴, substantially as and for the purpose herein specified.

2. The knife and fork cleaning box B, with its receptacles *b*, *c*, and *g*, rubbing-surface *a*¹, and cover *n*, substantially as and for the purpose herein set forth.

3. The combination of box A and box B by projections *o*, substantially as and for the purpose specified.

4. The hand-rubbers D, with projections *d'* *d'* from the rubbing-faces thereof, substantially as and for the purpose set forth.

WILLIAM H. GOODCHILD.

Witnesses:

SAML. F. HAY,
E. D. MACKINTOSH.