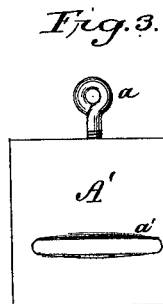
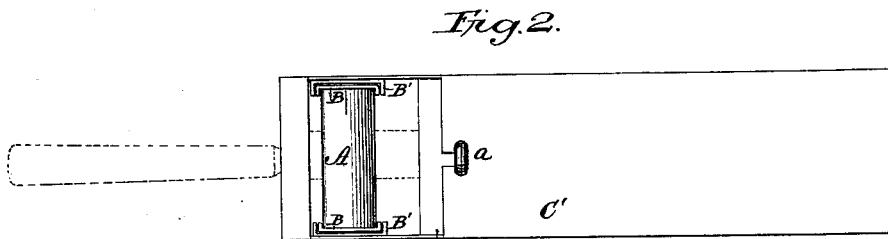
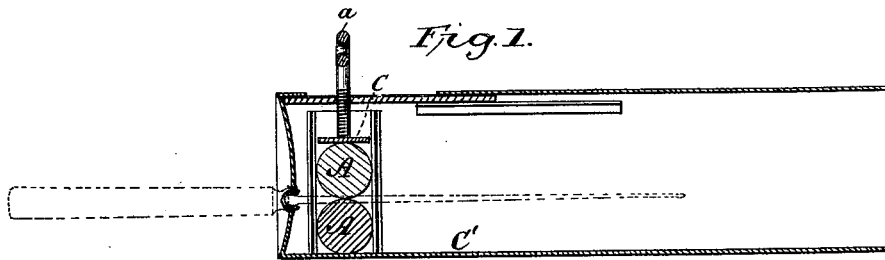


N. A. WIERMAN.  
Knife-Scourer.

No. 202,770.

Patented April 23, 1878.



WITNESSES:

*S. P. Hollingsworth.*  
*John O. Kemon*

INVENTOR:

*N. A. Wierman*

BY

*Wm. T. E.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

NICHOLAS A. WIERMAN, OF BENDERSVILLE, PENNSYLVANIA.

## IMPROVEMENT IN KNIFE-SCOURERS.

Specification forming part of Letters Patent No. 202,770, dated April 23, 1878; application filed January 22, 1878.

*To all whom it may concern:*

Be it known that I, NICHOLAS A. WIERMAN, of Bendersville, county of Adams, and State of Pennsylvania, have invented a new and Improved Knife-Scourer, of which the following is a specification:

Figure 1 of the drawing is a sectional view, and Fig. 2 a plan view. Fig. 3 is a front view.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved machine for scouring knives which shall be so constructed that it may be made to last much longer than scourers constructed in the usual way, and which, when worn out, may be made as good as new at a trifling expense.

The invention will first be described in connection with the drawing, and then pointed out in the claims.

A A are two blocks of rubber, one of which may be made cylindrical, and the other rectangular. Both may be made cylindrical or both rectangular, as may be desired or convenient. The ends of the two rubbers A A are placed in metallic flanged plates or slides B B, which are designed to be placed in grooves B' B' in the end of the box C', containing the scouring material, so that they can be readily removed when desired.

C is the pressure-plate. A similar pressure-plate may be placed beneath the lower rubber, if desired.

Pressure may be applied to the pressure-plate C by a hand-screw, *a*, or other suitable means.

A' represents the front of case, which is provided with a horizontal slit, *a'*, through which the knife-blade may be inserted.

By this construction the pressure will be applied to the middle part of the rubbers A A, opposite the parts worn by the knives, so as to hold the said rubbers down to their work, even when considerably worn.

When one side of the rubbers A A has become too much worn to operate properly, the slides B B, carrying the rubbers with them, may be removed, and the rubbers A A turned in the slides B, to present another side to be worn, and the slides B holding the rubbers in the grooves B', and so on until all their sides have been worn.

When all the sides of the rubbers A A have been worn, the said rubbers can be easily replaced with new ones at a trifling expense.

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

1. An improved knife-scourer, formed by the combination of the removable rubber blocks A A with the flanged sliding plates B B, substantially as herein shown and described.

2. The combination of the pressure-plate C with the rubber blocks A A and the flanged sliding plates B B, substantially as herein shown and described.

NICHOLAS A. WIERMAN.

Witnesses:

SAMUEL WAY,  
GEORGE J. HAMMER.