

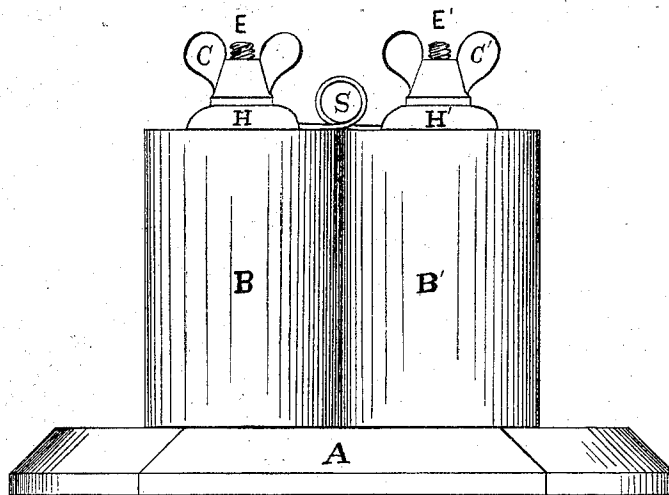
F. W. TARBLE & H. W. SAWYER.

Knife-Polishers.

No. 136,188.

Patented Feb. 25, 1873.

Fig. 1.



WITNESSES.

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UNITED STATES PATENT OFFICE.

FRANCIS W. TARBLE, OF CHARLESTOWN, AND HORACE W. SAWYER, OF
CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN KNIFE-POLISHERS.

Specification forming part of Letters Patent No. 136,188, dated February 25, 1873.

To all whom it may concern:

Be it known that we, FRANCIS W. TARBLE, of Charlestown, in the county of Middlesex, and HORACE W. SAWYER, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Knife-Polishers, of which the following is a specification:

The object of our invention is to provide a cheap, simple, convenient, and durable means for polishing knives and forks; and it consists of two elastic adjustable cylinders coated with emery, and connected to a base side by side, by means of screw-bolts which pass through a hole in the center of such cylinders, and are secured firmly to such base, their opposite ends being provided with thumb-nuts, which have a bearing upon collars that rest upon the ends of the cylinders. These bolts are connected together by a coiled spring near their upper ends, which yields when the back or thicker portion of a knife is forced between the cylinders in the act of polishing the same. These cylinders when worn may be revolved a little by loosening the thumb-nuts, so as to bring together their surfaces at a point not worn, and may be turned in this manner at intervals as often as worn until their entire circumference has been used. These thumb-nuts when turned down prevent the cylinders from turning by the friction between their ends and the base; also, by the use of extra force, the elastic cylinders may be pressed down so as to increase their diameters and

consequently bring their surfaces closer together whenever desired.

Figure 1 is a plan view of our invention.

A is the base, which may be of cast-iron, and the screw-bolts E E' connected rigidly thereto. B B' are elastic adjustable cylinders, which may be constructed of India rubber or other suitable yielding material, and their cylindrical surfaces coated with emery. C C' are thumb-nuts, which are made to bear upon washers H H with more or less force by means of a screw-thread upon the bolts E E. These bolts are connected together near their upper ends by a coiled spring, S.

By placing a table-knife between these cylinders and drawing it back and forth a few times it is quickly and easily polished. No water or moisture being used the article polished is clean and fit for immediate use, without wiping or washing; consequently bright, and as highly polished as when new.

What we claim is—

The elastic adjustable cylinders B B', coated with emery and attached to base-plate A by means of screw-bolts E E' connected together by spring S, said cylinders being adjusted by thumb-screws C C' bearing upon collars H H', when constructed and arranged substantially as and for the purpose set forth.

FRANCIS W. TARBLE.
HORACE W. SAWYER.

Witnesses:

SYLVENUS WALKER,
S. M. SMITH.