

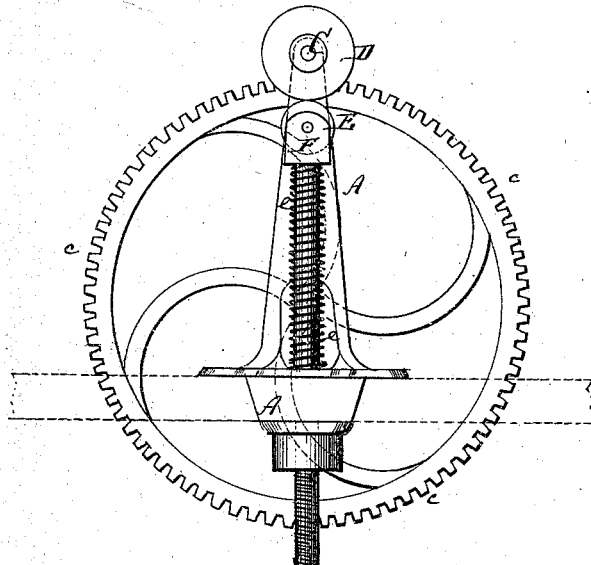
*H. E. French,*

*Knife Scourer.*

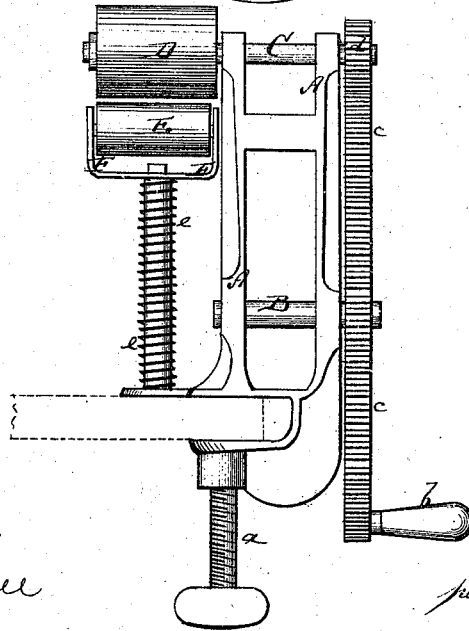
*No. 107,674.*

*Patented Sept. 27, 1870.*

*Fig. 1.*



*Fig. 2.*



WITNESSES  
*P. C. Zisterich.*  
*L. J. Weaver*

INVENTOR.  
*H. E. French*  
per. *Wm. H. French*  
ATTORNEYS.

# United States Patent Office.

HENRY E. FRENCH, OF UNITY, NEW HAMPSHIRE.

Letters Patent No. 107,674, dated September 27, 1870.

## IMPROVEMENT IN KNIFE-SCOURERS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, HENRY E. FRENCH, of Unity, in the county of Sullivan and State of New Hampshire, have invented a new and improved Knife-Scourer; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a face view of my improved knife-scourer.

Figure 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new instrument for cleaning knives and forks, and consists in the application of a spring and pressure-roller to a scouring-roller, so that an equal degree of pressure is constantly applied to the latter.

A, in the drawing, represents the frame of my improved scouring apparatus.

This frame is constructed with a screw-clamp, *a*, by means of which it can be secured to a sill, mantle-piece, board, chair-back, or other apparatus, or with other suitable fastening device.

In the lower part of the frame is hung a shaft, B, which carries a toothed wheel, *c*, provided with a crank-handle, *b*.

The wheel meshes into the teeth of a pinion, *d*, which is mounted upon a shaft, C, that has its bearings in the upper part of the frame A.

Upon the shaft C is mounted a roller, D, which is covered with emery, or otherwise provided with a rough scouring surface.

A smaller roller, E, hung in the bifurcated ends of a vertical slide, F, is, by means of a spring, *e*, held against the side of the roller D.

The knife or fork to be scoured can be held merely against the roller D, but if extra pressure is required it is inserted between the two rollers D E, when the spring will keep one face of the knife perfectly true with the scourer.

It is evident that the operating mechanism, as well as the comparative dimensions of the parts, may be varied at will.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

A knife-scourer, consisting of the frame A, scouring-roller D, and spring-roller E, the latter being connected with a slide, F, substantially as herein shown and described.

HENRY E. FRENCH.

Witnesses:

ALVIN G. FRENCH,  
J. V. WRIGHT.