C. V. HADLEY.

KNIFE-SCOURER.

No. 192,865. Patented July 10, 1877.

Fig. 1.

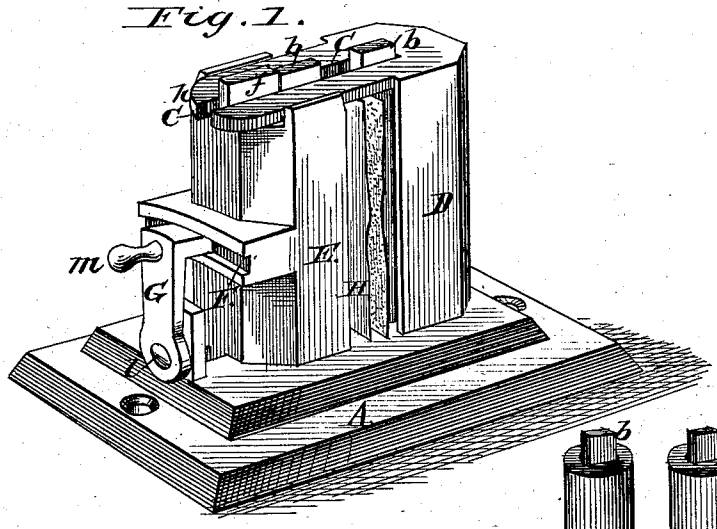


Fig. 2.

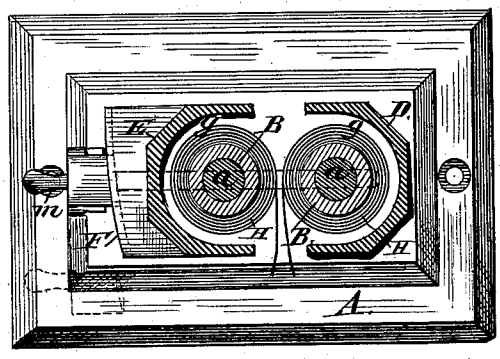


Fig. 5.

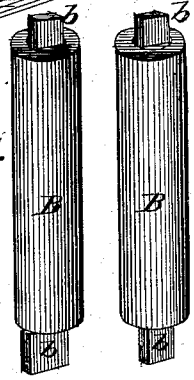


Fig. 3.

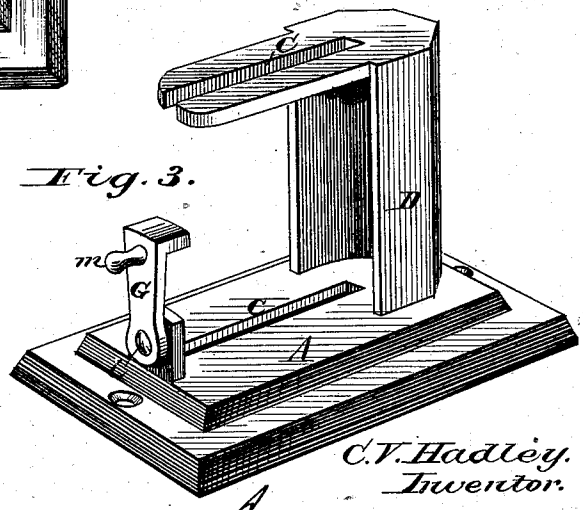
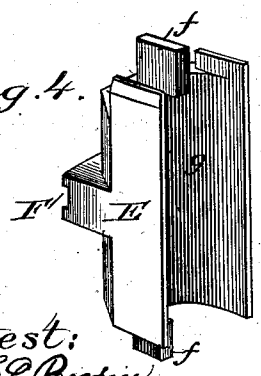


Fig. 4.



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UNITED STATES PATENT OFFICE.

CLARENCE V. HADLEY, OF EAST CAMBRIDGE, MASSACHUSETTS.

IMPROVEMENT IN KNIFE-SCOURERS.

Specification forming part of Letters Patent No. **192,865**, dated July 10, 1877; application filed December 12, 1876.

To all whom it may concern:

Be it known that I, CLARENCE V. HADLEY, of East Cambridge, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Knife-Scourers, of which the following is a specification:

In the plate of drawings, Figure 1 represents a perspective view of my invention; Fig. 2, a horizontal section of the same; Fig. 3, a perspective view of the frame; Fig. 4 a perspective view of the adjustable casing; and Fig. 5 a detached view of the two revolving sleeves.

In the drawings, A represents a bed-piece, suitably adapted to be fastened to a table or other support. B B are two revolving sleeves, made of india-rubber, mounted on shafts *a a*, having projecting square ends. These rubber sleeves B are placed vertically and side by side upon the bed-piece A, with their square projecting ends in a groove, *c*, of the bed-piece A, and in a slot or groove, *d*, of a horizontal plate, C, which is secured to the bed-piece A through a semi-cylindrical casing, D, within which stands one of the rubber rollers B; E, a semi-cylindrical casing, similar to casing D. This casing E has square ends *f* fitting in the grooves *c* and *d* before referred to, and within it stands a rubber sleeve, B. The casing E is free to be moved back and forth in the grooves *c* and *d*, and its square ends *f*, together with the square ends of the rubber roller B, which is within it, are shaped relatively to each other, so that the square ends of the casing will have a bearing against the square ends of the sleeves without contact, and with a space, *g*, between the rubber body of the sleeves and the inside of the casing. At the unsupported end *h* of the sleeve-receiving plate C the groove *d* is open to admit of the sleeves B and casing E being inserted and removed at pleasure; F, a cam-surface on outside of casing E, and G a lever having cam-edge. The lever swings vertically on a pivot, *l*, of the bed-piece, has a handle, *m*, for operating it, and is arranged so that, by properly swinging it, its cam-edge can be brought to bear against the cam-edge of the casing, so as to firmly jam one sleeve B against the other sleeve B, and there hold it; H, strips of emery-cloth, wound one strip about each sleeve B, and the outer end of each strip is disposed outside of the casings D E, as shown in Fig. 2.

With the emery-cloth on the sleeves, and the sleeves tightly jammed together, as described, to clean or scour a knife-blade, draw it back and forth between the sleeves.

As the emery-cloth becomes worn, first loosen up the sleeves, and then draw off the cloth from the sleeves sufficiently to give a fresh and unworn surface, when again set up the sleeves, as before.

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

The combination of the grooved bed-piece A, fixed upright casing D, and grooved plate C, with the adjustable upright casing E, emery-sheathed rubber sleeves B B, and a cam-lever, G, all substantially as and for the purpose described.

CLARENCE V. HADLEY.

Witnesses:
EDWIN W. BROWN,
GEO. H. EARL.