J. COYLE.
DEVICE FOR CLEANING AND POLISHING KNIVES.
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1,096,354.

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FIG. 1.

FIG. 2.

FIG. 3.

FIG. 4.

FIG. 5.

FIG. 6.

Witnesse...

J. COYLE
To all whom it may concern:

Be it known that I, John Coyle, a citizen of the United States, residing at Palo Alto, in the county of Santa Clara, State of California, have invented certain new and useful Improvements in Devices for Cleaning and Polishing Knives; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention is directed to improvements in devices for cleaning and polishing knives, and has for its object to so construct a device of this character that the same may be manufactured at a very small cost, and by which the blades of knives can be easily and quickly cleaned and polished.

A further object of the invention is to combine with an article of this character that after the knives have been sharpened they may be cleaned and polished easily and quickly.

With these and other objects in view, this invention resides in the novel features of construction, formation, combination and arrangement of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which—

Figure 1 is a plan view of the device in its open position. Fig. 2 is a similar view showing the device closed. Fig. 3 is a side elevation of the device in its closed position. Fig. 4 is a sectional view on line 4-4 of Fig. 3. Fig. 5 is a similar view on line 5-5 of Fig. 2. Fig. 6 is an end view of the device, the same being shown in its closed position.

Referring to the drawing, the numeral 1 designates a base plate, which is formed from cast metal and has one of its ends supported by the legs 2, while the other end thereof terminates in an inclined flange 3, said flange terminating in a plate 4, which is disposed horizontally and in turn terminates in an inclined flange 5. Upon inclining the flanges 3 and 5 a substantially V-shaped groove 6 is produced, the purpose of which will appear later. It will be noted that the plate 4 and legs 2 are adapted to engage a support when the device is in use so that the plate 1 will be disposed in horizontal position. The plate 1 is provided near one of its ends with a rectangular recess 7, in which is seated the sharpening stone 8 which is preferably formed from carborundum.

Depending from the under surface of the plate 1 and adjacent the side edges thereof are spaced ears 9, said ears having perforations 10 formed therein for supporting the ends of the rods 11, said rods being passed through folds 12 formed in the ends of the fabric 13 which is preferably formed from carpet strips or any suitable fabric. The rods 11 thus hold the ends of the fabric 13 foiled against the side edges of the plate 1, and it is obvious that upon removal of the rods the fabric can be easily removed.

Hingedly connected to the upper edge of the wall 5 is a plate 14, said plate having disposed transversely thereof a fabric strip 15, said strip being of the same material as the strip 13 hereinbefore mentioned and is connected to the plate 14 in the same manner as the strip 13 is. Ears 16 are formed integral with the plate 1, said ears being provided with perforations 17 for detachably receiving the legs 18 of the yoke 19. The upper edges of the flange 3 are provided with ears 20 which are provided with perforations 21 for detachably receiving the legs 22 of the yoke 23. A strip of canvas 24 is folded and placed in the groove 5 and has its upper edges secured to the bight portions of the yokes 19 and 23. The plate 14 has one of its edges terminating in a handle 25 so that when the plates 1 and 14 are folded face to face pressure may be applied to the handle so that when a knife is placed between the fabric strips 13 and 15, the same may be effectually cleaned, it being of course understood that the fabric strips have been dampened and sprinkled with any well known cleaning powder or preparation.

After the knives have been rapidly reciprocated between the fabric strips 13 and 15, the same are removed and are inserted in the groove 5 so that the opposite sides of the knife blade may come in rubbing contact with the canvas strip 24 which has been previously treated with any well known polishing preparation. Thus it will be seen that the knives may be first sharpened upon the stone 8, after which they are thoroughly cleaned between the fabric strips 13 and 15 and further they may be polished upon placing the same in the groove 5 so that the blade will be thoroughly polished.

It will be noted by providing the yoke 19 with the vertical legs 18 and the yoke 23 with the horizontally disposed legs 22 that when a knife is operating in the groove 5,
the pressure thereof upon the canvas strip will not cause accidental disengagement of the yoke, but it will be apparent that the yokes may be easily and quickly removed when it is desired to sprinkle the canvas strip 24 with the polishing material. The plate 14 has pivotally connected to one of its edges a latch 26 which engages the pin 27 carried by one edge of the plate 1, said latch serving to hold the plates together when it is desired to move the device from place to place and also aids in holding the fabric strips 13 and 15 in close contacting relation.

What is claimed is:

1. A device of the class described, comprising a plate having one of its edges terminating in inclined flanges to provide a groove, a second plate hingedly connected to one of the flanges forming the groove, fabric strips arranged transversely of the plates, means for connecting the edges of the strips to the respective plates, said fabric strips serving to clean the blades of knives when in contacting relation and the plates are folded together.

2. A device of the class described comprising a plate, one end of which terminates in inclined flanges to produce a groove, a second plate hingedly connected to one of the flanges forming the groove, ears formed upon the edges of the first named plate, a yoke having its legs detachably engaged in said ears, ears formed upon the edges of one of the flanges, a yoke having its legs detachably engaged in said ears, a strip of fabric having its edges connected to the right portions of the yokes, so that the fold of said fabric will engage the groove, and fabric strips disposed transversely of the first and second named plates, means for detachably connecting the ends of said strips to the respective plates, as and for the purpose set forth.

In testimony whereof, I affix my signature, in the presence of two witnesses.

JOHN COYLE.

Witnesses:

M. D. Weilis,
Lauritz Olsen.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D.C."