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C. E. OVENSHIRE.

COMBINED HONE AND STROP.

APPLICATION FILED DEC. 6, 1904.

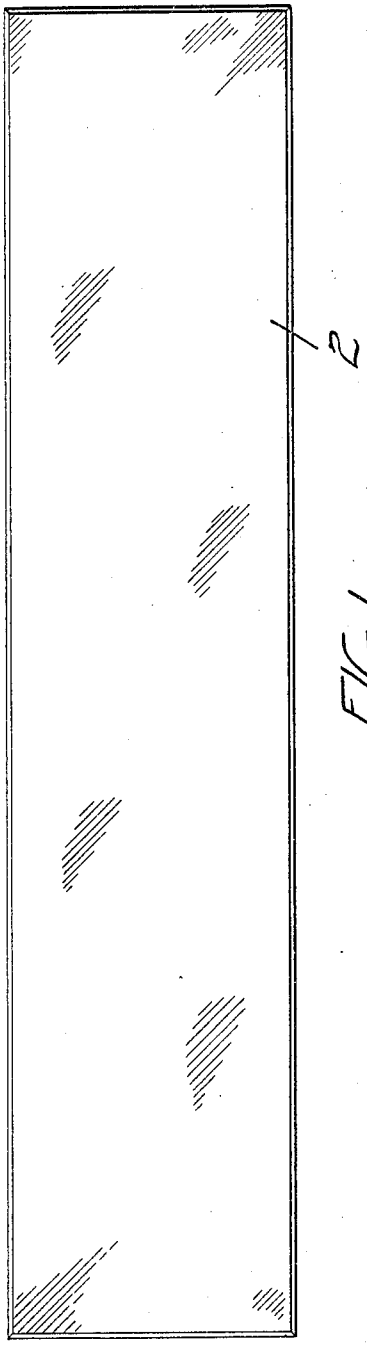


FIG 1



FIG. 2.

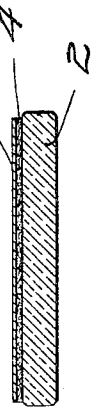


FIG. 3.

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COMBINED HONE AND STROP.

No. 798,445. Specification of Letters Patent. Patented Aug. 29, 1905.

Application filed December 6, 1904. Serial No. 235,656.

To all whom it may concern:

Be it known that I, CHARLES E. OVENSHIRE, of Minneapolis, Hennepin county, Minnesota, have invented certain new and useful Improvements in a Combined Hone and Strop, of which the following is a specification.

A strop for finishing the edge of small tools, such as knives and razors, is usually in the form of a strip of leather or canvas that is secured, preparatory to using, at one end, while the other end is held in one hand and the razor or knife passed rapidly back and forth over the surface with the other hand. This method of stropping is effective in the hands of an experienced person, as the flexible material will yield sufficiently under the pressure of the blade to contact with the edge throughout its entire length and smooth and finish the same; but unless great care is exercised in holding the strop taut it will bend around the edge of the razor or knife and turn it over and completely ruin it for shaving or other purposes. Then, too, it is frequently difficult while traveling to secure one end of the flexible strop in such a manner that it would be safe to exert a strong pull on the other end.

The object, therefore, of my invention is to provide a combined hone and strop possessing all the desirable characteristics of the ordinary flexible strop without its more serious defect—namely, the danger of turning over the edge of the razor or knife while stropping it.

The invention consists generally in a glass plate having a ground or roughened surface on one side and a finishing-surface on the other that is supported by the rigid plate and prevented from bending around the edge of the tool, but capable of yielding sufficiently to follow the edge and contact with it at all points.

In the accompanying drawings, forming part of this specification, Figure 1 is a plan view of a combined hone and strop embodying my invention. Fig. 2 is an edge view. Fig. 3 is a transverse section.

In the drawings, 2 represents a glass plate of suitable length and width for the purpose designed, having a flat ground surface. The grinding of this surface serves to make it perfectly level, so that the edge of the razor will contact therewith at all points, and at the same time roughens the surface sufficiently to hold the gritty material, such as slate, that is mixed with the water and placed on the surface preparatory to the honing operation. I also prefer to grind and flatten the other side of the glass plate to present a level surface for the finishing-strop and one that the glue or other adhesive substance used between the plate and strop will adhere to. To prepare the honing-surface for use, a little water is placed thereon and a piece of slate rubbed back and forth over the surface until a sufficient amount has been mixed with the water to form a paste, which grinds down the edge of the razor or other tool as it is moved back and forth over the hard surface of the glass. On the opposite side of the glass plate I provide a finishing-surface 3, which may be of leather, canvas, or any other suitable material, and between the surface 3 and the glass I place a strip 4 of yielding material, preferably felt, secured on one side to the surface of the glass by glue or any other suitable means and similarly secured on the other side to the under surface of the leather or canvas. This felt filling-strip of suitable thickness and resiliency serves several purposes. It secures the finishing-surface to the glass and at the same time forms a yielding backing for the leather, canvas, or other material of which the surface is composed, allowing it to yield or give and follow the edge to be sharpened as it is moved back and forth without allowing the surface to bend sufficiently to turn over the edge of the tool. Any unevenness in the thickness of the finishing-surface would interfere considerably with the operation of finishing the edge on the razor and would be very noticeable if the surface were mounted on a rigid support. By employing the yielding material between the finishing-surface and the glass the former can yield under the pressure of the razor or knife edge and contact with the edge at all points throughout its length regardless of any slight difference in the thickness of the material of which the finishing-surface is composed, and such a surface would have all the essential characteristics of the ordinary strop without some of its objectionable features.

I claim as my invention—

1. A combined hone and strop comprising a plate having a flat non-yielding surface on one side and a leather finishing-surface on the other side and a strip of felt interposed be-

tween said leather surface and said plate and secured thereto, substantially as described.

2. A razor-hone comprising a rigid plate having one roughened surface and having a strip of yielding material secured to its other surface, with a strip of finishing material secured upon said yielding material.

In witness whereof I have hereunto set my hand this 2d day of December, 1904.

CHARLES E. OVENSHIRE.

Witnesses:
RICHARD PAUL,
C. MACNAMARA.