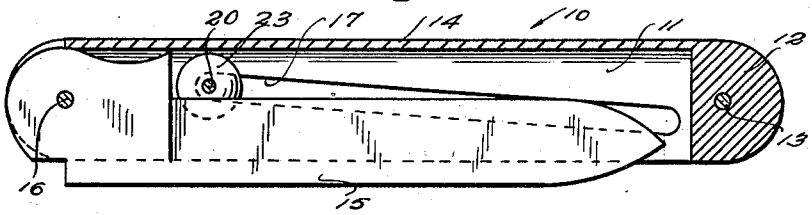
March 4, 1947. B. M. KJORSVIK 2,416,929

POCKET KNIFE

Filed Nov. 8, 1944

Fig. 3.



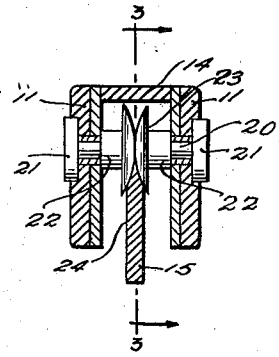


Fig. 2.

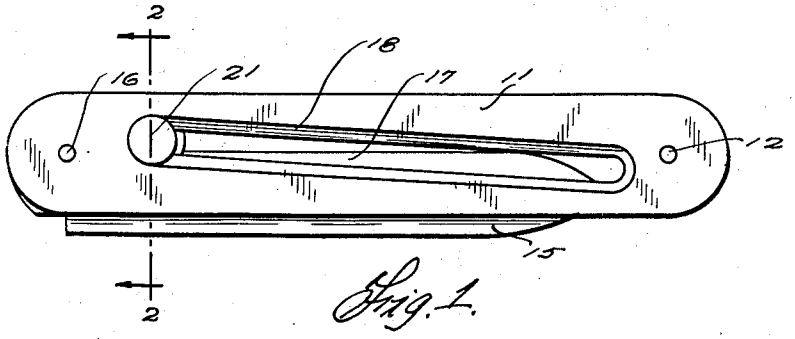


Fig. 1.

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POCKETKNIFE

Bertha M. Kjorsvik, Wabasso, Fla.

Application November 8, 1944, Serial No. 562,479

1 Claim. (Cl. 30—138)

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This invention relates to a pocket knife, and more particularly to such a knife of the foldable variety.

A primary object of this invention is the provision of an improved pocket knife having provided in association therewith a sharpening device.

An additional object of the invention is the provision of such a pocket knife adapted by means of the aforesaid sharpening device to be constantly maintained in sharp and effective condition.

Still another object of the invention resides in the provision of such a device which will be sturdy and durable in construction, reliable and efficient in operation, and relatively simple and inexpensive to manufacture and assemble.

Other objects reside in the combinations of elements, arrangements of parts, and features of construction, all as will be more fully pointed out hereinafter, and disclosed in the accompanying drawings, wherein there is shown a preferred embodiment of this inventive concept.

In the drawings—

Figure 1 is a side elevational view of one form of knife embodying features of this invention.

Figure 2 is a sectional view taken substantially along the line 2—2 of Figure 1, as viewed in the direction indicated by the arrows, and

Figure 3 is a sectitonal view taken substantially along the line 3—3 of Figure 2 as viewed in the direction indicated by the arrows.

Like reference numerals refer to like parts throughout the several views of the drawings.

Having reference now to the drawings, the knife of the instant invention is generally comprised of a casing indicated at 10, including side plates 11, an end plug 12 secured to the side plates 11 as by rivets 13 or the like, a top plate 14, and a blade 15 pivotally secured as by a pivot 16 between the side plates 11.

Each of the side plates 11 has positioned therein a slot 17 having a countersunk recess 18 to receive the enlarged head 21 of pin 20 during travel of the latter in the slot 17. Positioned between the slots 17 is a pin or axle 20 provided at its extremities, exteriorly of the slot 17 with cuts or finger-grips 21. Interiorly of the side plates 11 the axle 20 is provided, as best shown in Figure 2, with oppositely disposed spacing collars 22 between which are positioned oppositely disposed convex disks 23 comprising the sharpening elements adapted to be juxtaposed to the edge 24 of the blade, on opposite sides thereof.

The slot 17 is inclined in order that increasing pressure may be applied to the forward end of the blade for sharpening the latter by the reciprocation of the disks 23, and also to provide a means for partially opening the blade in order to facilitate its complete opening for use.

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From the foregoing the operation of the device should now be readily understandable. After each use of a knife the blade is folded and the finger-gripping portions 21 are grasped and moved longitudinally in the slots 17 back and forth several times. This movement occasions either sliding or rotative movement of the abrasive or sharpening disks 23 against the blade edge 24, serving to impart an edge to the same. Thus it will be seen that after each use a few strokes of the sharpener serve effectively to sharpen the blades, thus obviating the necessity for frequent, or infrequent, intensive sharpening operations, and providing a sharp, keen blade at all times.

From the foregoing it will now be seen that there is herein provided a device accomplishing all the objects of this invention and others including many advantages of great practical utility and commercial importance.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore shown and described, it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

I claim:

In a device of the character described, a casing including side walls having longitudinally extending, angularly disposed, aligned transverse slots therein, a blade hingedly mounted and foldable between said side walls, said slots inclining from the hinge toward the point of said blade, and a sharpening element movable in said casing along said blade, said element including rotatable convex disks, oppositely disposed, mounted on an axle extending through said slots, finger-grips extending exteriorly of said slots, and spacer collars within said casing on opposite sides of said element to center the same on said blade.

BERTHA M. KJORSVIK.

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