

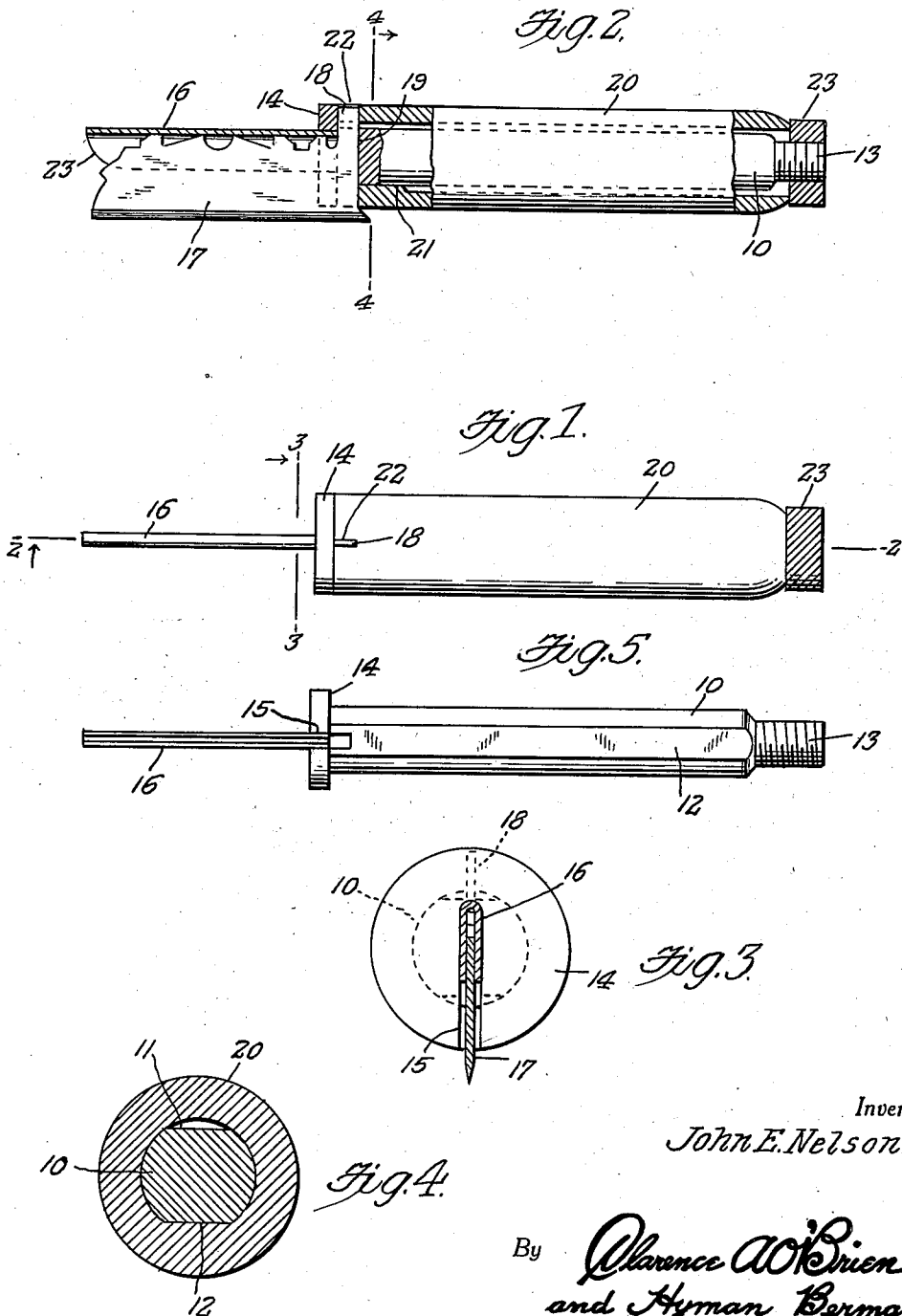
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J. E. NELSON

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KNIFE

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Inventor
John E. Nelson.

By *Clarence A. O'Brien*
and *Hyman Berman*
Attorneys

UNITED STATES PATENT OFFICE

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KNIFE

John E. Nelson, Galena, Kans.

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1 Claim. (Cl. 30—337)

The present invention relates to new and useful improvements in knives and more particularly to that type of knife having a removable blade, and has for its primary object to provide a knife of the aforementioned character wherein old safety razor blades may be used as the blade portion.

Other objects of the invention are to provide a knife which will be simple in construction, strong, and which may be manufactured at low cost.

Still further objects and advantages of the invention will become apparent from a study of the following detailed description, taken in connection with the accompanying drawing, wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a top plan view of my invention.

Figure 2 is a side elevation of my invention with parts broken away and shown in section.

Figure 3 is a transverse sectional view taken substantially on the line 3—3 of Figure 1.

Figure 4 is a transverse sectional view taken substantially on the line 4—4 of Figure 2.

Figure 5 is a bottom plan view of the blade holding member.

Referring now to the drawing, in detail, it will be seen that the reference numeral 10 designates a metal shank having flat surfaces 11 and 12 at its top and bottom sides and a reduced threaded end portion 13. The end opposite the threaded portion 13 is flanged to form a head 14 which is slotted as at 15. A guard 16 is secured at one end portion in the slot 15 of the head 14 and is adapted to receive the blade 17. The blade 17 has a projection 18 which extends through an opening 19 in the shank 10 rearwardly of the head 14.

A sleeve 20 slidably engages over the shank 10 and has a flat surface 21 on the inside thereof at one end thereof for contacting the flat

side 12 of the shank 10. The sleeve 20 is further slotted as at 22 for engagement over the end of the blade 17 which is mounted in the slot 15 of the shank 10. A nut 23 is engaged on the threaded portion 13 to releasably hold the sleeve 20 on the shank 10.

The guard 16 is channel shaped in cross section and has its outer end curved as at 23 while its other end is soldered or otherwise secured to the shank 10 in the slot 15. When the device is assembled the blade 17 is mounted in the guard 16 with the end of the blade having the projection 18 inserted in the slot 15. In this position the sleeve 20 is placed over the shank 10 with the slot 22 in the sleeve fitted over the projection 18 and holding the projection 18 against the head 14 of the shank 10. The nut 23 holds the sleeve 20 in position which in turn holds the blade 17 in the guard 16.

The blade 17 is obtained by breaking a double edged safety razor blade into two parts.

Although I have shown and described herein a preferred embodiment of my invention, it is to be definitely understood that I do not desire to limit the application of the invention thereto, and any change or changes may be made in the materials and in the structure and arrangement of the parts, within the spirit of the invention as claimed.

What is claimed is:

In a device of the character described, a knife including a flange headed threaded shank having a vertical slot therein, a guard mounted in said slot and extending from said head, a blade having a vertical projection thereon mounted in said guard with the projection in said slot, a sleeve mounted on said threaded shank for holding said blade in said guard, and a nut on said threaded shank for releasably holding said sleeve in engagement with said blade.

JOHN E. NELSON.