Dec. 24, 1946. J. A. SKAER 2,413,082

POCKET TOOL KIT

Filed Nov. 21, 1944

Fig. 1

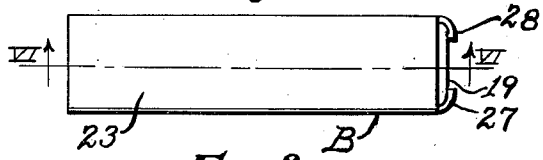


Fig. 2

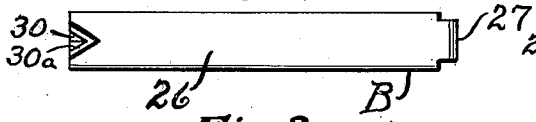


Fig. 3

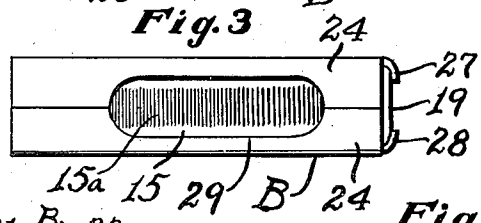


Fig. 4

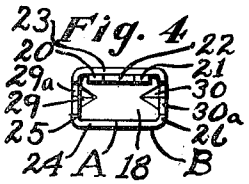


Fig. 5

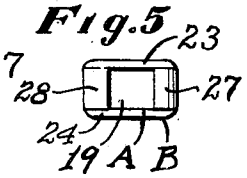


Fig. 6

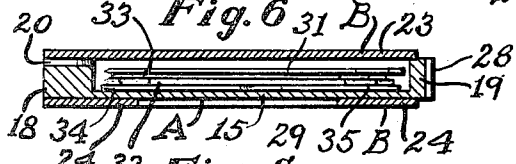


Fig. 7

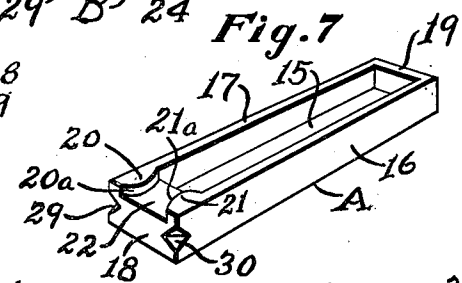


Fig. 8

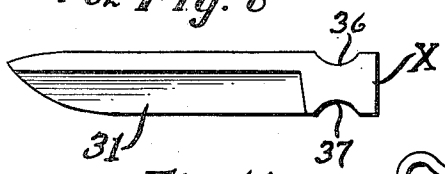


Fig. 9

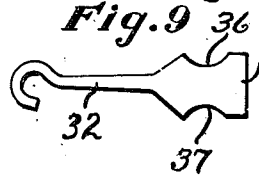


Fig. 10

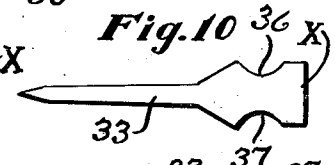


Fig 11

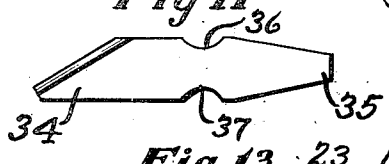


Fig. 12

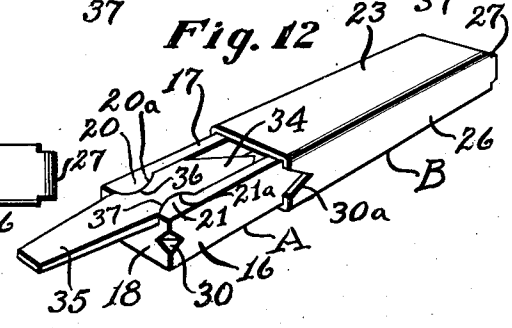


Fig. 13

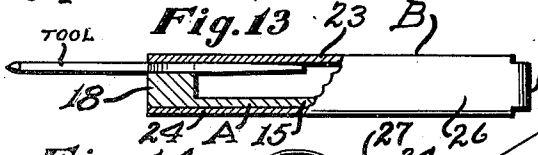
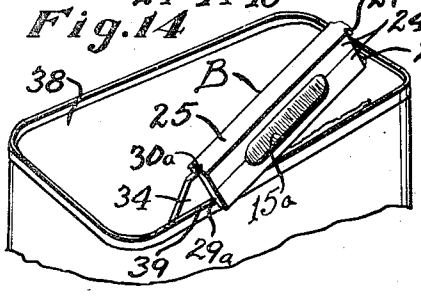


Fig. 14



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Patented Dec. 24, 1946 2,413,082

UNITED STATES PATENT OFFICE

2,413,082

POCKET TOOL KIT

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Application November 21, 1944, Serial No. 564,505

4 Claims. (Cl. 30—125)

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My invention relates to an improvement in pocket tool kits. The object of my invention is to provide a small kit of tools that can be carried in one's pocket and still be of such size that the kit is not bulky but contains quite a variety of small tools that are always for one to have.

A further object is to provide a pocket tool kit of the kind mentioned in which the tools are separate from, but are contained in, the handle portion of the kit.

A still further object is to provide a pocket tool kit of the kind mentioned in which the individual tools can be easily, readily, and substantially attached to the handle portion of the kit without the use of tools or intricate mechanism of any kind.

A still further object is to provide a pocket tool kit of the kind that is substantial and strong, one that is simple to make and use, one that is inexpensive as well as one that is neat in appearance as well as one that is applicable for a large variety of uses. These and other objects will be more fully described as this description progresses.

Now referring to the accompanying drawing:

Fig. 1 is a top plan view of the pocket tool kit, the kit being shown in its closed position.

Fig. 2 is a side view of the pocket tool kit shown in Fig. 1.

Fig. 3 is a rear end view of the pocket tool kit.

Fig. 4 is a front end view of the pocket tool kit.

Fig. 5 is a bottom plan view of the pocket tool kit.

Fig. 6 is a longitudinal detail sectional view through the pocket tool kit, the view being taken along the line VI—VI in Fig. 1, and looking in the direction of the arrows.

Fig. 7 is a detail perspective view of the tool box portion of the pocket tool kit.

Fig. 8 is a detail side view of a knife blade designed for use as one of the tools of the pocket tool kit.

Fig. 9 is a side view of a hook, button hook, that is designed as one of the tools of the pocket tool kit.

Fig. 10 is a side view of an awl that is designed as one of the tools of the pocket tool kit.

Fig. 11 is a side detail view of a double ended tool that is designed as one of the tools of the pocket tool kit.

Fig. 12 is a detail perspective view of the pocket tool kit in a partially opened position and illustrating how the tools are positioned and held in the handle portion of the pocket tool kit for use.

Fig. 13 is a detail side and sectional view further illustrating how the tools are rigidly held in the handle for use.

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Fig. 14 is a perspective view showing how the pocket tool kit is used, in this particular illustration the tool is being used as a can opener.

Similar numerals of reference designate the same parts throughout the several figures of the drawing.

In the drawing my improved pocket tool kit is shown as having an open top tool box A having a bottom 15, sides 16 and 17, and ends 18 and 19. The front end wall 18 is exceptionally thick and at either side thereof is an inwardly projecting lip 20 and 21, the top sides of which are flush with the top edge of the side walls 16 and 17 thereby leaving a depression or recess 22 in which the tools are fitted as will later be described. The lips 20 and 21 are provided with curved opposing edges 20*a* and 21*a*, however it will be understood that the edges 20*a* and 21*a* could just as well be V-shaped or flat faced or any other desired shape. The tool box A is for the storage of tools such as will later be described.

The tool box A is provided with an outside housing B that snugly fits, and is slidable on and over the tool box A as shown. The housing B has a top 23, a bottom 24, and two sides 25 and 26.

The rear ends of the side walls 25 and 26 project a little past the top 23 and bottom 24, and then turn inwardly toward each other to form hook like elements 27 and 28, which serve a double purpose, first as a stop for the sliding of the tool box A, in the housing B and second these hooks may be used as a bottle cap remover, or other such similar purposes.

The bottom 24 of the housing B is provided with a centrally positioned, elongated opening 29, through which the bottom 15 of the tool box A is exposed. The bottom 15 of the tool box A is kerfed as at 15*a* for two reasons, first to act as a rough surface on which matches may be struck, and second, as a rough surface on which one may place his thumb or finger on the tool box A and by a forward movement of the thumb or finger, the tool box A may be slipped forward in the outside housing B to a position similar to that shown in Fig. 12.

The front corners between the end wall 18 of the tool box A, and the side walls 16 and 17 thereof and the side walls 25 and 26 of the housing B are provided with V-shaped notches 29 and 30, and 29*a* and 30*a*, the notch 29*a* in the housing B forming a continuation of the notch 29 in the tool box A, and the notch 30*a* in the side wall 26 of the housing B forming a continuation of the

notch 30 in the tool box A for purposes that will later be made obvious.

In the tool box A is a plurality of the tools, for example, a knife blade 31, a button hook 32, an awl 33, and a double ended tool, one end of which is formed as a blade to be used as a can opener 34, and the other end as a screw driver 35, these tools are shown in detail in Figures 8, 9, 10 and 11, and they are also shown as being carried in the tool box A in Fig. 6. The tools shown in Figures 8, 9 and 10 are provided with an attachment end X for seating the tools in the handle of the tool kit which is composed of the tool box A and the housing B. The attachment end X of the tools is provided with indentures 36 and 37 fashioned to receive and snugly fit the lips 20 and 21 on the tool box A, and the intervening body between the indentures 36 and 37 will lie in the space 22 between the lips 20 and 21 and lie flat on the upper surface of the end wall 18 of the tool box A. The tool having been positioned in the tool box end as just described, the housing B may then be slipped forward to the position shown in Figures 13 and 14 whereupon the front portion of the top housing wall 23 will slide over the tool end X and rigidly bind the tool end X between the lips 26 and 27 and the tool box end 18 and the housing wall 23 whereupon the selected tool has been rigidly mounted in the handle formed in the tool box A and housing B and is now ready for use.

In Fig. 11 is shown a double ended tool in which the indentures 36 and 37 occur in the central portion of the tool instead of in one end as shown in Figures 8, 9 and 10, but the tool as shown in Fig. 11 is mountable in the tool box and housing handle element the same as above described and as shown in Figures 12 and 13.

As shown in Fig. 14, the can opener blade 34 is mounted for use, and in using the can opener the blade 34 is pierced through the top 38 of the can and advanced therethrough until the bead 39 of the can rests in the notch 29—29a of the tool box A and housing B, whereupon the handle A—B

of the tool 34 may be rocked up and down and advanced along the head of the can, whereupon the tool 34 will cut the can cover 38 from the can.

It will be understood that Figures 8, 9, 10 and 11 are only illustrations of a few tools that can be used as a part of this pocket tool kit and any other design of tool may be provided with the end X or indentures 36 and 37 whereby the tool may become a part of this pocket tool kit and may be used in the handle A—B.

Such modifications of my invention may be employed as lie within the scope of the appended claims without departing from the spirit and intention of my invention. Now having fully shown and described my invention, what I claim is:

1. In a pocket tool kit; a tool box and a housing therefor that is slidably carried thereon, means for holding the tang of a tool between said tool box and said housing, said housing having an opening therein through which the tool box may be engaged for feeding the tool box in and out of the housing.

2. In a pocket tool kit as defined in claim 1, said tool box being kerfed in the area exposed by the opening in the housing for the purposes set forth.

3. In a pocket tool kit device of the kind described comprising a tool box and a housing for said tool box, said housing being slidable longitudinally on the box and recess means in one end of said box for receiving a portion of a tool, said housing serving to hold the tool in the recess, the corner edges of the box having guiding means therein for guiding the box end adjacent the tool along a can edge when the tool is being used as a can opener.

4. In a pocket tool kit device of the kind described and as defined in claim 3; one end of said box housing having stops thereon for limiting the rearward movement of the box in the housing, said stops also being engageable with a bottle top for the removal thereof from a container.

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