Aug. 20, 1935. O. ALTENBACH 2,011,963

POCKET IMPLEMENT

Filed Oct. 12, 1933

Fig. 1.

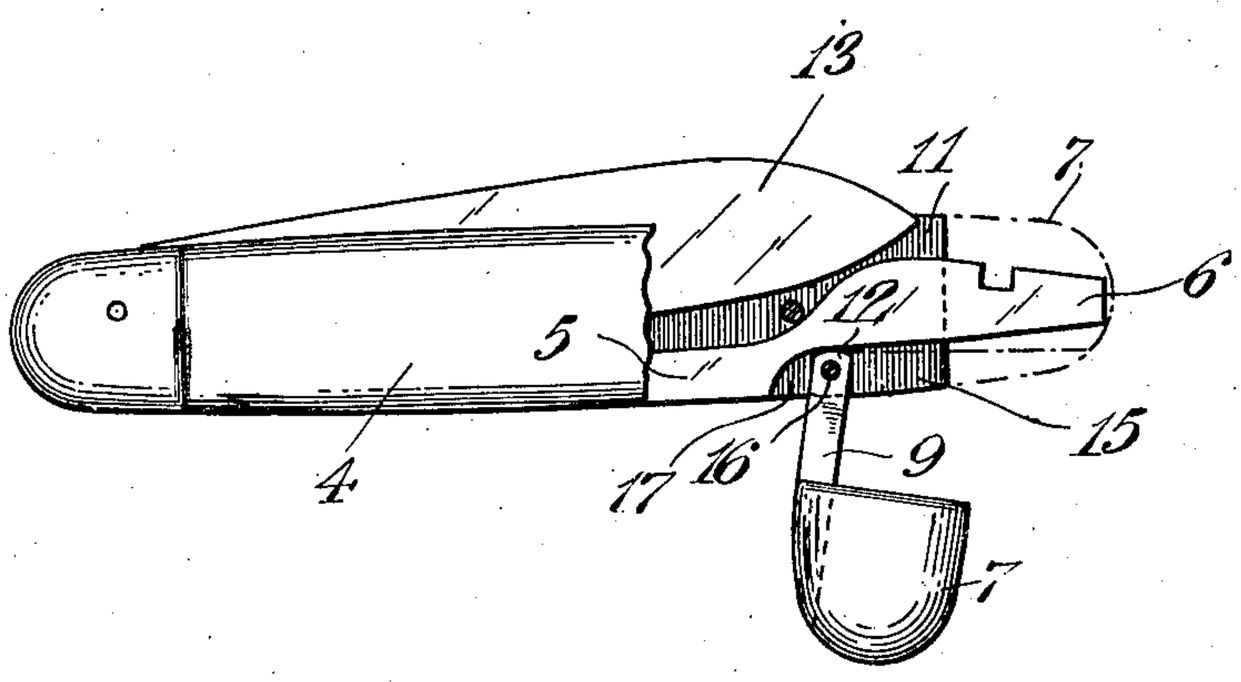


Fig. 2.

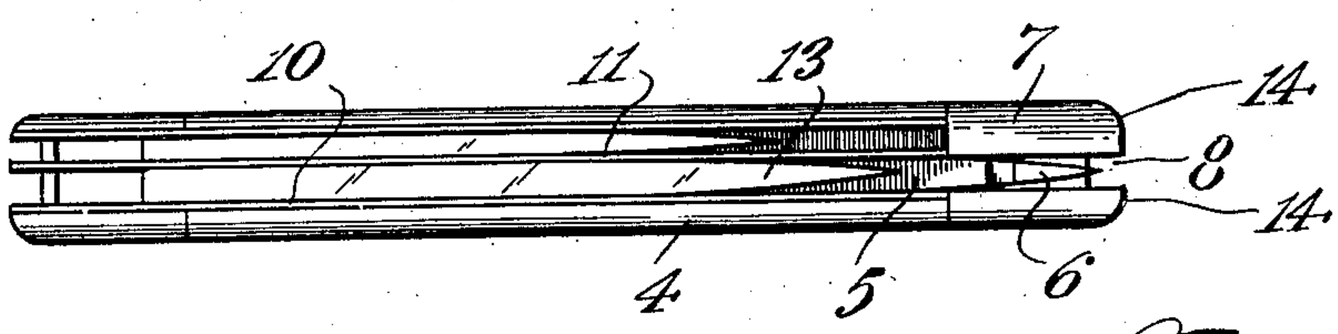


Fig. 3.

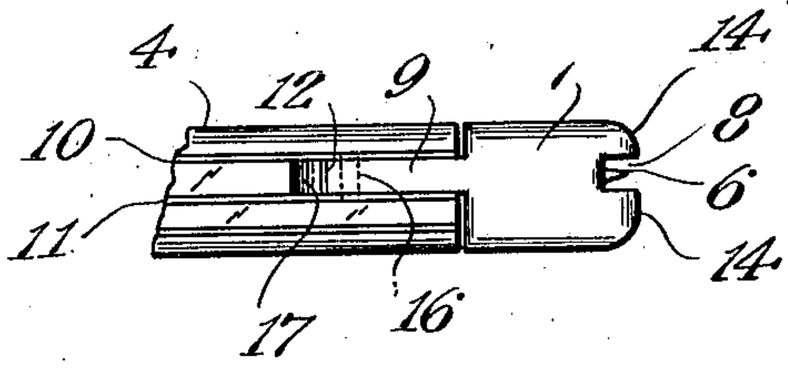
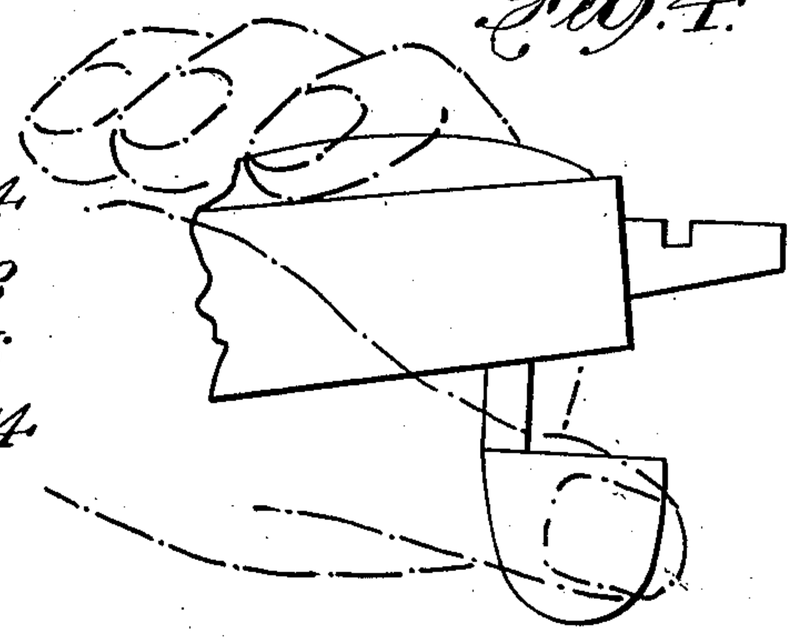


Fig. 4.



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Patented Aug. 20, 1935 2,011,963

UNITED STATES PATENT OFFICE

2,011,963

POCKET IMPLEMENT

Otto Altenbach, Ohligs-Solingen, Germany

Application October 12, 1933, Serial No. 693,242
In Great Britain June 19, 1933

8 Claims. (Cl. 7—15)

This invention relates to pocket implements and has for an object the provision of an implement which carries one or more convenient tools together with means for covering the tools to render them ineffective and harmless when not in use and to give the implement a smooth contour so that it will not injure the pockets of garments when carried therein.

Various kinds of tools have heretofore been proposed for pocket use besides the usual knife blade and many of them have been associated with implements which carried knife blades. Some have been made to fold into the handle like a knife blade but this is often inconvenient and usually does not permit of a very substantial construction. Some have been made rigid with the handle but in this case there has been difficulty in providing a satisfactory cover for the tool when not in use. The present invention provides a very substantial tool and a very convenient cover therefor which it is believed will overcome the previous difficulties.

The invention will be more readily apparent from a description of an illustrative embodiment thereof shown in the accompanying drawing, in which:

Fig. 1 is a side elevation of a pocket knife embodying one form of the invention, parts being broken away to show interior construction;

Fig. 2 is a front view thereof;

Fig. 3 is a back view of one end thereof; and

Fig. 4 is a view similar to Fig. 1, showing the manner of using the implement.

Referring to the drawing the handle 4 of the implement may house one or more foldable knife blades 13. It is not necessary that such blade be carried since in so far as the present invention is concerned any other tool may be substituted, for example another tool at the other end of the handle similar to the one to be described hereinbelow. In the event that hinged devices are employed the handle may be provided with a leaf spring 5.

According to the present invention the implement is provided with a tool 6 projecting from one end thereof. The tool may be substantially rigid with the handle for strength. It may be shaped for any of a variety of uses. Herein it is made in the form of a screwdriver. In the present embodiment also the tool is formed as an integral extension of the leaf spring 5 according to the disclosure of my prior Patent No. 1,787,424, though this is not indispensable to the present invention.

A movable cover 7 is provided for the tool, the same comprising spaced sides 14 open from the front as at the slot 8 to embrace the tool and rigidly connected at the back by a member 9. The sides of the cover are of sufficient extent to completely cover the tool when the cover is in closed position. In the preferred form shown in the drawing the cover is also made of the same width and thickness as the handle so as to form a smooth extension thereof, and is rounded at the end and edges, constituting in effect a bolster for the handle.

The member 9 is extended toward the handle in the form of a tang which enters a recess 15 in the handle and is secured therein by a pivot pin 16. The tang is extended from the cover for several reasons, one, to give leverage in opening the cover, another to permit the cover to be moved back out of the region of the tool as shown in full lines in Fig. 1, and another to permit the cover to be used as a lever for turning the tool. It may be noted from Fig. 4 that the cover in the open position forms an angle with the handle and permits the user to engage it with his thumb to assist in turning the tool. The tang 9 is made thick and of good material and is pivoted far enough away from the end of the handle to furnish a strong construction capable of withstanding the turning action.

Means are provided for holding the cover in closed and open positions. As shown herein, the tang 9 extends further from the pivot pin at the end than on the sides so as to constitute a heel 12 for cooperating with the leaf spring 5 previously referred to, which spring in the present embodiment, as stated, is integral with the tool. Means are provided on the handle, for example as a shoulder 17 on the spring 5, for limiting the opening movement of the cover.

While I have limited the description to one embodiment of the invention for purposes of illustration it is to be understood that the invention is not thus limited but may have various embodiments within the scope of the subjoined claims.

I claim:

1. A pocket implement comprising in combination, a handle, a substantially rigid tool projecting from an end of the handle, a cover for said tool, said cover including spaced sides which are sufficiently extensive to cover the entire exposed portions of the tool, said sides being unconnected at the front edge whereby to leave a slot for receiving the tool and being connected at the rear edge whereby the sides are held rigidly in spaced relationship, a tang extending from the back of

the cover and between the sides, a recess in said handle for receiving said tang, and a hinge element between the tang and the handle, said hinge element being located at a distance from the end of the handle.

2. A pocket implement comprising in combination, a handle provided with a longitudinal slot, a substantially rigid tool projecting from an end of the handle, a cover for said tool hinged to said handle on one side thereof, said cover including spaced sides which are sufficiently extensive to cover the entire exposed portions of the tool, the cover having a path of movement such that parts on the side opposite the hinge side pass across the tool intermediate its length, said sides being unconnected at the front edge whereby to leave a slot for receiving the tool and being connected at the rear edge whereby the sides are held rigidly in spaced relationship, the cover being of substantially the same width and thickness as the handle so as to form a smooth continuation thereof with its slot aligned with the slot of the handle when in closed position over the tool, and means hinging the cover to the handle.

3. A pocket implement comprising in combination, a handle provided with a longitudinal slot, a substantially rigid tool projecting from an end of the handle, a cover for said tool hinged to said handle at one side thereof, said cover including spaced sides which are sufficiently extensive to cover the entire exposed portions of the tool, the cover having a path of movement such that parts on the side opposite the hinge side pass across the tool intermediate its length, said sides being unconnected at the front edge whereby to leave a slot in alignment with the handle slot for receiving the tool and being connected at the rear edge whereby the sides are held rigidly in spaced relationship, a pivot for said cover on said handle, and means for holding the cover securely in either open or closed positions.

4. A pocket implement as set forth in claim 3 in which said cover is provided with an extending tang hinged to the handle at a distance from the end thereof and in which means are provided in conjunction with said handle and cover for holding the cover at an angle to the handle and out of the way of the tool when the cover is open for the purposes described.

5. A pocket implement as set forth in claim 3 in which the tool is formed as an extension of and integral with a leaf spring which constitutes resilient means for holding said cover in open and closed positions.

6. A pocket implement as set forth in claim 3 in which the handle is provided with a recess approximately the thickness of the slot between the sides of the cover and in which the tang is of the same thickness so as to fit within the recess as a smooth continuation of the back of the handle when the cover is in closed position.

7. A pocket implement comprising in combination, a handle, a tool secured to said handle, said tool being of the type adapted to be turned about its axis for its normal intended use, and a cover for said tool adapted to be moved into alignment with the handle when closed to cover the tool or to be swung out at an angle to the handle when open for operation of the tool, said cover including an extension hinging the cover to the handle at a distance from the end of the handle and which permits the cover to be used as a lever for turning the tool when the cover is open.

8. A pocket implement comprising in combination, a handle, a tool secured to said handle and aligned therewith, said tool being of the type adapted to be turned about its axis for its normal intended use, and a cover for said tool adapted to be moved into alignment with the handle when closed to cover the tool or to be swung out at an angle to the handle when open for operation of the tool, said cover being hinged to the handle in a manner to cause the entire cover proper to lie at a considerable distance from the end of the handle when open so as to constitute a substantial lever for turning the tool.

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