

No. 690,143.

Patented Dec. 31, 1901.

H. GROOMS.
POCKET COMPOUND TOOL.
(Application filed Sept. 10, 1901.)

(No Model.)

Fig. 1.

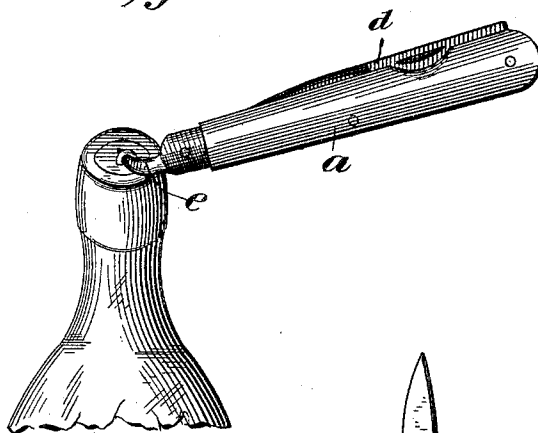


Fig. 2.

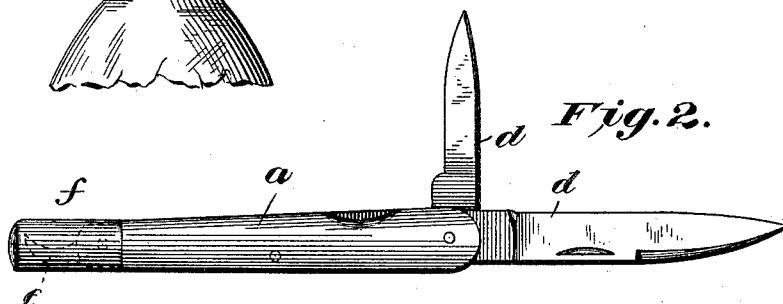
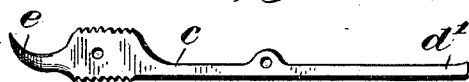


Fig. 3.



Fig. 4.



WITNESSES

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POCKET COMPOUND TOOL.

SPECIFICATION forming part of Letters Patent No. 690,143, dated December 31, 1901.

Application filed September 10, 1901. Serial No. 74,898. (No model.)

To all whom it may concern:

Be it known that I, HERBERT GROOMS, a citizen of the United States of America, residing at Huntington, in the county of Cabell and State of West Virginia, have invented certain new and useful Improvements in Pocket Compound Tools, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view showing the manner in which the horn device is used in removing bottle stoppers or seals; Fig. 2, a side elevation of the device, showing the folding implements open and the horn covered by its cap; Fig. 3, an edge view, partly in section, showing the device adjusted for carrying in the pocket; and Fig. 4, a detail side elevation of one of the springs for actuating and locking the folding implements.

The object of this invention is to provide a simple and inexpensive tool of the pocket type that may be safely carried in the pocket and which will be provided at one end with one or more folding instruments—such as knife-blades, corkscrews, nail-files, button-hooks, &c.—and at its other end with a rigid horn-like implement or other auxiliary tool which may be used for various purposes—such as removing bottle caps or seals, stoppers, stones from horses' hoofs, wire from bottle-necks, &c.—this horn being adapted to be covered when not in use by a removable guard-cap, as more fully hereinafter set forth.

The implement, as stated, is of the pocket-knife type; and it consists of a pair of side plates *a*, riveted in the manner of a pocket-knife to a division-plate *b*, and a pair of intermediate spring-plates *c*, the ends of these spring-plates at one end of the implement being left free of the division-plate and the side plates in order to actuate and lock a pair of folding implements *d*, which are adapted to fold into the spaces on opposite sides of the central division-plate *b* when not in use. These folding implements may be knife-blades, as shown, or corkscrews, nail-files, small scissors, or any other implements that may be adapted to be folded into the handle of the tool in the manner shown in Fig. 3. The free ends *d'* of the springs bear upon the heels of the folding implements and hold them open or closed in the manner of an ordinary pocket-knife. The other ends of the springs *c* are riveted rigidly to the side plates and the division-plate and are deepened to equal the

depth of said plates, and projecting endwise from these enlarged ends of the springs are hook-shaped parts *e*, which curve up slightly and are tapered and which together form a horn-like implement. The division-plate *b* is also extended into a similarly-shaped hook in order to fill the space between the hooks formed on the spring and assist in strengthening the horn. A guard-cap is fitted removably on the end of the tool, so as to cover the horn, whereby the tool may be carried in the pocket or be handled without injury. This guard-cap may be threaded on, as shown in the drawings, or it may be fitted nicely, so as to be held simply by friction.

It will be observed that the essential characteristic of this tool lies in utilizing one end of the lock-spring to lock in position a suitable folding implement, such as a knife-blade, and its other end to form a rigid horn-like implement or other auxiliary tool that may be used for various purposes, especially for removing bottle-seals. It will be observed that the invention is not confined to two folding implements, as shown, since but one or more than two implements may be employed without departing from the invention, and it will be observed also that the horn may be formed by an extension of but one of the springs, if such spring be thick enough to afford the necessary strength.

Having thus fully described my invention, what I claim, and desire to obtain by Letters Patent, is—

1. In combination with a tool-handle, a back-spring seated between the cheek-pieces and having one end free to bear on a pivoted tool, its other extremity extending beyond the handle and forming an auxiliary tool, as set forth.

2. In combination with a tool-handle having side plates or cheek-pieces, a back-spring seated between the cheek-pieces and having one end free to bear on a pivoted tool and having its other extremity extending beyond the handle and formed into an auxiliary horn-shaped tool, as set forth.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 9th day of September, 1901.

HERBERT GROOMS.

Witnesses:

JAS. I. FRAMPTON,
CECIL HANLEY.