A. H. MERRILL.

COMPOUND TOOL.

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1,040,564.

Patented Oct. 8, 1912.

Fig. 1.

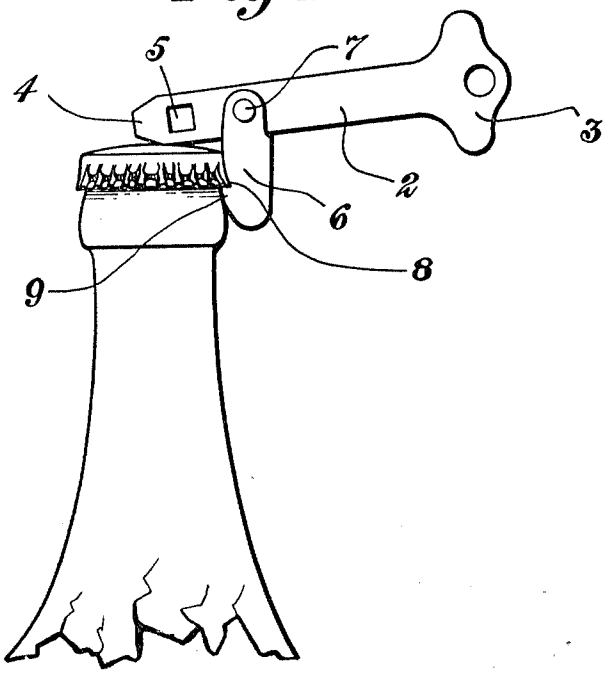


Fig. 2.

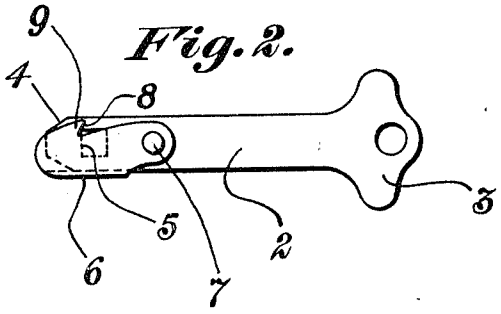
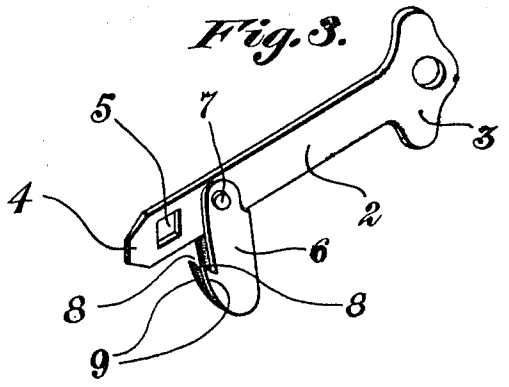


Fig. 3.



Witnesses:

L L Markel.

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COMPOUND TOOL.

1,040,564. Specification of Letters Patent. Patented Oct. 8, 1912.

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To all whom it may concern:

Be it known that I, ARTHUR H. MERRILL, citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Compound Tools, of which the following is a specification.

This invention relates to compound tools, the object of the invention being to provide a simple and compact device of this character which can be conveniently carried in the pocket.

In the present instance the tool has a screw driver, a wrench and a bottle cap remover, although it is possible that I might dispense with one or both of the two first mentioned tools.

In the drawings accompanying and forming part of the present specification I illustrate in detail one simple form of embodiment of the invention which to enable those skilled in the art to practise the same will be set forth fully in the following description, while the novelty of the invention will be included in the claim succeeding said description. I do not, however, restrict myself to such showing; I may depart therefrom in several particulars.

Referring to said drawings: Figure 1 is a side elevation of a tool involving my invention showing the same employed for the removal of the cap of a bottle also illustrated in said figure. Fig. 2 is a similar view showing the tool in its folded condition, and, Fig. 3 is a perspective view of the tool opened.

Like characters refer to like parts throughout the several figures of the drawings.

Preferably the tool embodies in its construction a shank or body such as 2, the said shank or body usually, although not necessarily, consisting of an elongated, flat, metal strip provided at its outer end with a handle or head 3 which may be perforated for application to a key ring or equivalent. The tip of the shank 2 is made preferably in the form of a screw driver 4, and just back of the said screw driver is a square hole 5, which presents a wrench, and this wrench can be used for a variety of purposes. While the presence of the screw driver and the wrench are advantageous, they are not imperative.

The device is equipped with a bottle cap removing member as 6 which is shown as being of sheath-like form or somewhat U-shaped in cross section, the branches or sides of this cap removing member 6 being preferably pivoted as at 7 to the shank 2 just back of the wrench hole 5. The sides or branches of the cap removing member have complemental notches 8 to form hooks 9 for engaging the down-turned portion of the cap of the bottle. The bills of these hooks are of acute angular form, the bodies of the hooks being rounded so as to effectually fit against the down-turned part of the cap. The cap remover 6 is preferably made somewhat resilient and when in its inoperative or non-cap-removing position as shown in Fig. 2, it is adapted to hug or frictionally embrace the forward portion of the shank 2, the grip being sufficient to prevent accidental movement of the cap remover, although preferably not enough to prevent said cap remover being swung out by hand approximately at right angles to the shank 2 as shown in Fig. 3 to bring the same into a cap removing position. When the said cap remover is in its operative relation as shown in said Fig. 3, the forward portion of the shank 2 will be placed edgewise against the bottle cap and an upward pull will be applied to the shank which acting as a lever with a fulcrum against said cap, will pull the latter from the bottle.

I wish to call attention to the fact that when the cap remover 6 is in its inoperative or folded position as shown in Fig. 2 it covers or incloses the screw driver 4 so as to act as a guard therefor whereby when the implement is placed in the pocket, there is no possibility of the screw driver tearing the lining of such pocket or injuring anything else that may be contained therein. Preferably also the forward or free portion of the cap remover is rounded by reason of which the same can cause no injury. As the hooks 9 when the cap remover 6 is in folded relation (Fig. 2), lie against the opposite sides of the shank 2, they cannot tear the lining of a pocket. Should the sides of the cap remover 6 fail to closely grip the shank

2, such close grip can be secured by pinching or pressing together said sides.

What I claim is:

A device of the class described comprising a shank and a sheath-like member, the sides of which are pivoted to the shank between the ends thereof, the sides of said sheath-like member when the latter is closed being adapted to frictionally engage the shank and to overlie the forward end of the shank, said sides being notched to fit a bottle cap and said forward end serving as a fulcrum when the said sheath-like member is employed to remove such cap.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR H. MERRILL.

Witnesses:

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