Nov. 25, 1958 M. MALECKI 2,861,339

COMBINATION SAFETY RAZOR AND BOTTLE OPENING DEVICE

Filed Oct. 15, 1953

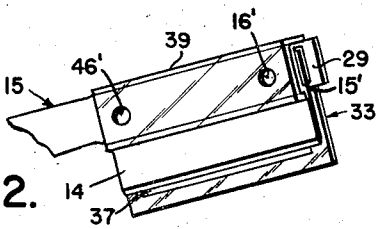


FIG. 2.

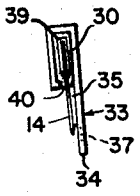


FIG. 3.

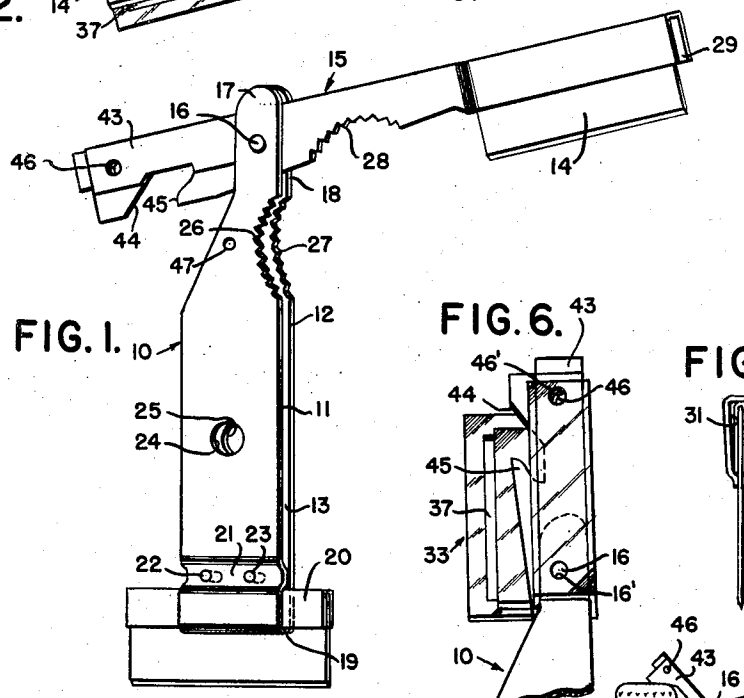


FIG. 1.

FIG. 6.

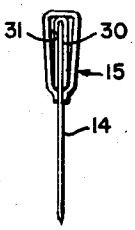


FIG. 7.

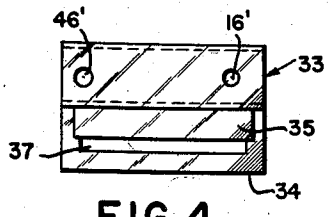


FIG. 4.

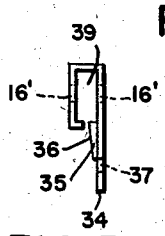


FIG. 5.

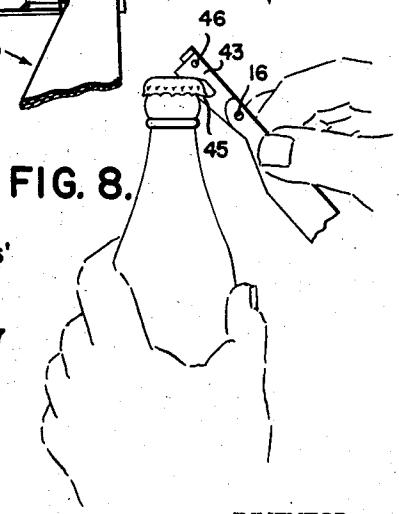


FIG. 8.

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COMBINATION SAFETY RAZOR AND BOTTLE OPENING DEVICE

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1 Claim. (Cl. 30—55)

This invention relates to a safety razor device.

It is an object of the present invention to provide a safety razor device which is adapted to hold a blade for use in shaving or for scraping flat surfaces and in combination with which provision is made for the clipping of the ends of cigars, a bottle cap opener and jaw portions for effecting a grip upon an article or for cracking nuts.

It is another object of the invention to provide in a safety razor device a guard adapted to extend over the blade and to angle the blade properly for shaving and wherein the guard is shaped upon the parts being hinged together with the blade disposed within the handle, so as to fit the opposite end of the blade holding part and over the bottom cap removing portion so that the guard will be available and become a part of the device either when the device is in use or at times when not in use.

It is another object of the invention to provide in a safety razor device comprising hingeable parts wherein the handle part is formed of separable members and adapted to receive in a transverse manner at the end of the handle a blade so that the tool can be applied to a flat surface and the blade serving to scrape the same.

Other objects of the invention are to provide a safety razor device having the above objects in mind, which is of simple construction, inexpensive to manufacture, has a minimum number of parts, light in weight, easy to manipulate, durable, compact, efficient and effective in use.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which:

Figure 1 is a perspective view of the device with the blade part opened from the handle part and with a blade attached to both of the parts;

Fig. 2 is a perspective view of the outer end of the blade part with the guard for the blade extended thereover;

Fig. 3 is an end view of the outer end of the blade part and of the guard;

Fig. 4 is a front elevational view of the guard removed from the blade part;

Fig. 5 is an end elevational view of the guard;

Fig. 6 is a fragmentary perspective view of the guard fixed over the end of the blade and handle parts to secure the blade part from being opened against the handle and to locate the guard in a storing position;

Fig. 7 is an enlarged end elevational view of the blade and of the blade retaining part;

Fig. 8 is an illustrative view showing the device being used to remove a bottle cap and the bottle cap part applied to the cap.

Referring now to the figures, **10** represents a handle part formed of spaced spring-like members **11** and **12** providing a pocket **13** therebetween into which blade **14** of blade holder part **15** can be extended when the part **15** is jackknifed into the handle **10**. A rivet **16** connects the parts **10** and **15** together in pivotal relationship. The

upper end of the handle part **10** is tapered and provides narrow portions **17** and **18** which have frictional engagement with the sides of the blade part **15**. The blade part **15** can accordingly be adjusted to any angular portion or position relative to the handle part **10** and will be retained in that position against collapse by this frictional engagement of the portions **17** and **18** therewith.

The handle part **10** is divided at its lower end to provide a slot **19** through which a blade **20** can be extended and arranged for the purpose of providing a scraping edge or cleaning a flat surface. This blade **20** extends transversely of the handle part **10** and does not interfere with the closing of the blade part **15** into the handle. With the same closed, the device provides a handle and a scraping action of a flat surface can be effected in the conventional manner. The handle member **11** is transversely depressed as indicated at **21** to provide spacing means for holding the members **11** and **12** separated from each other and also to provide a stop against which the blade **20** may abut and be supported against inward displacement. Rivets **22** and **23** secure the members **11** and **12** together. These rivets extend through the depression **21** and are fixed to the member **12**.

In order to permit a cigar to be cut, there are provided holes **24** and **25** in the respective members **11** and **12** through which the cigar can be extended for the purpose of being cut or clipped. By bringing the blade part **15** so that the blade **14** passes into the opening **13**, the end of the cigar will be clipped and made ready for use.

The handle members **11** and **12** are respectively provided with serrated jaws **26** and **27** recessed to receive an object that may be engaged by serrated recess **28** of the part **15**. By bringing the parts **10** and **15** together upon the object, work can be performed thereupon.

The blade holder part **15** is formed of folded metal so as to provide a slit **15'** on its under edge at one end thereof. The outer end of the holder part **15** has one side longer than the other as indicated at **29** in order to facilitate the insertion of the blade into the slit **15'**. The blade **14** has a folded mounting member **30** thereon, as indicated in Fig. 7. The holder part **15** provides a socket opening **31** in order to accommodate the folded mounting member **30** of the blade **14**. The blade **14** is slid into the socket opening **31** and through the slit **15'** from the end of the part **15** and the projection **29** guides and facilitates the insertion of the blade.

When the blade **14** is to be used for shaving, a guard **33** is inserted over the socket end of the blade part **15**. This guard is preferably made of plastic and is generally of the same shape as the blade. When the guard **33** is extended over the end of the blade part **15**, its lower edge **34** will extend below the edge of the blade **14**. The face of the blade **14** will be supported against a face projection **35** and this projection extends longitudinally across the face of the guard and has an inclined face **36** in order to direct the blade edge toward the inner face of the guard and toward the edge **34** thereof. A slot **37** is provided adjacent the edge of the blade in order that any accumulation of soap can be removed from the edge of the blade through the guard.

The upper end of the guard is turned over to provide an opening or socket **39** for receiving and accommodating the socket end of the part **15** that retains the blade **14**. The blade will extend through a slot **40** of the guard so as to rest against the face projection **35**. The face projection **35** extends upwardly into the opening **39** and the slot **40** lies adjacent thereto.

At the opposite side of the pivot pin **16** and on the blade part **15** is a bottle opening portion **43** formed of a sheet metal piece folded about the part **15** and recessed at its lower edge as indicated at **44**. Into this recess extends a hook projection **45** that is adapted to be seated

under the edge of the bottle cap in the manner illustrated in Fig. 8. The blade part **15** will have been located in the handle part **10** and the bottle opener portion of the blade part **15** will protrude preferably therefrom.

In the bottle opening portion **43** of the blade part **15** is a hole **46** by which the safety razor device may be suspended from a nail or hook. The lower edge of the blade part **15** engages with a step or depression **47** when the blade part **15** is closed into the handle part **10**. This depressed portion of the member **11** will also project into the recess **44** of the bottle opening portion to prevent the bottle opening portion **43** from passing through the space **13** between the members **11** and **12** of the handle part **10**.

The guard **33** is of such size that it can fit over the bottle opener portion **43** and also will run over the projections **17** and **18** of the handle part **10** in the manner shown in Fig. 6, and in that way the guard may serve to prevent the blade part **15** from being separated from the handle part when the device is not in use. This also provides means for the storing of the guard at times when it is not desired for use over the blade **14**. The guard **33** has holes **46'** which will register with the hole **46** in the can opener portion **43** of the blade part **15** and holes **16'** that may register with the pivot pin **16**. Accordingly, the nail can be extended through the guard as well as through the can opener portion **43** when the device is suspended thereupon. It will thus be apparent that the guard **33** not only can be used on the blade **14** when the blade is being used for shaving, but can also serve as a means by which the blade part **15** is locked into the handle **10**.

It should now be apparent that there has been provided a safety razor device comprising a handle and blade parts which can jackknife into one another so that the device can be used in the manner of an old type straight edge razor. It will also be seen that adequate means have been provided to protect the blade edge in the form of a guard that is extendible over the blade part. It will be seen that there has been added to this device means on the handle for holding a used blade in such a manner that it can be used for scraping surfaces.

The device also has added features which render it a handyman's item. A grip can be had between the parts

to perform work upon an object and through the recessed serrations on the parts. Also, the edge of the blade part **15** is formed with a bottle opening portion whereby a cap can be lifted from the bottle. The device can also be used for removing the ends of cigars to render them available for smoking.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention, as defined by the appended claim.

What is claimed is:

A safety razor device for receiving blades comprising a handle having spaced members, a blade arm pivotally connected to one end of the handle and in frictional engagement with said spaced handle members and pivoted in jackknife fashion in and out of said spaced handle members, said blade arm constructed of spring metal and having closed and slotted ends, said ends upon being expanded adapted to receive the guard edge of the blade, said blade being releasably removable from the blade arm, said blade arm having an extension projecting beyond the pivot connection of the blade with the handle, said handle members having projections surrounding the pivot connection of the blade arm with the handle and extending therebeyond and a blade guard for the razor blade adapted to be placed upon the blade arm when closed into the handle and to tightly fit over the extension of the blade arm and the projections of the handle to a point beyond the pivot connection, whereby the guard may serve to lock the blade arm against movement out of the handle.

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