G. TOBORG.

HOLDER FOR SAFETY RAZOR BLADES.

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910,096. Patented Jan. 19, 1909.

Fig. 1.

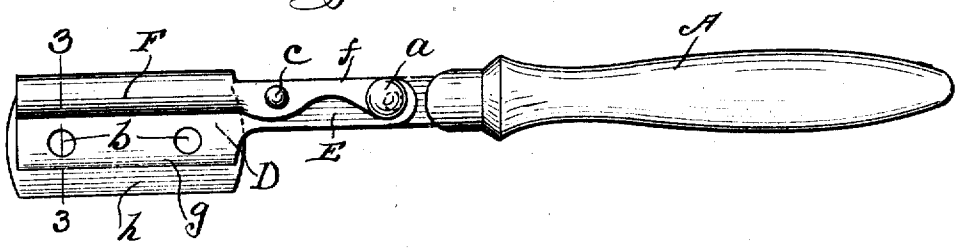


Fig. 2.

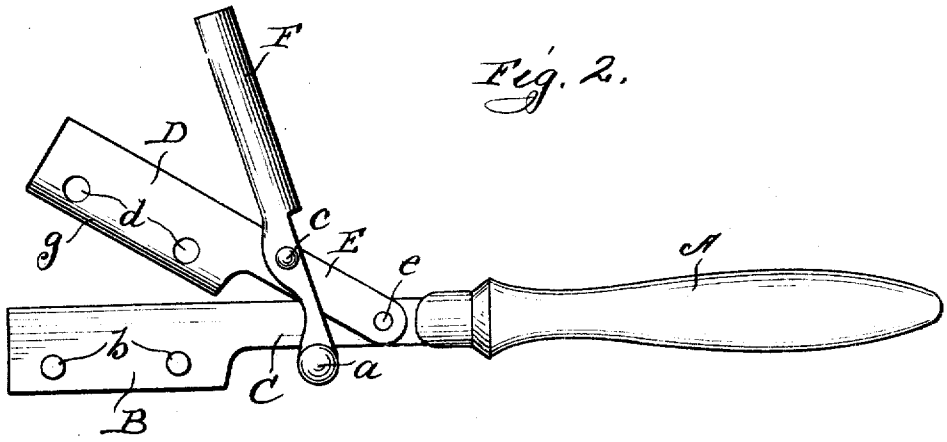
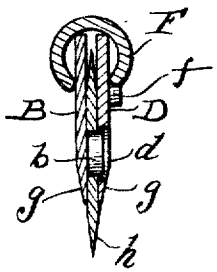


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE TOBORG, OF CHICAGO, ILLINOIS.

HOLDER FOR SAFETY-RAZOR BLADES.

No. 910,096. Specification of Letters Patent. Patented Jan. 19, 1909.

Application filed June 27, 1908. Serial No. 440,637.

To all whom it may concern:

Be it known that I, GEORGE TOBORG, of Chicago, in the State of Illinois, have invented certain new and useful Improvements in Holders for Safety-Razor Blades, of which the following is a specification.

My invention relates to improvements in devices for holding and manipulating the thin two-edged blades of safety razors, for stropping the same; and the objects of my improvements are, first, to provide a rounded handle with a pair of plate-like jaws, adapted to spring apart slightly, and to embrace a razor blade and a tubular slotted clamp, adapted to fit over the rear edges of the jaws; second, to provide a relatively fixed jaw, and a relatively movable jaw, the latter being preferably designed to be swung aside from over the face of the fixed jaw, at an angle to the axis of the handle, and back to normal, for inserting the blade; and third, to provide the movable jaw with a pivoted, slotted clamp, adapted to hold both the jaws together upon the blade, in conjunction with a thumb-lever arranged for working the clamp with the thumb while holding the handle in the hand. The movable jaw is also preferably so arranged, relative to the handle, that it can be conveniently swung aside and back, as above stated, with the thumb, while holding the handle in the hand. I attain these objects by the construction illustrated in the accompanying drawings in which:

Figure 1 is a top view of a holder of the class mentioned containing my invention, the same being shown as having a blade to be stropped clamped therein. Fig. 2, shows a similar view with the parts open and in primary position to have a blade put in. Fig. 3, is an enlarged cross section at the line 3 3 of Fig. 1.

Similar letters marked on the drawings refer to similar parts in the several views.

A is the rounded handle made, preferably, of wood, and designed to roll freely between the thumb and fingers of the user in turning the blade on the strop in the usual manner of stropping.

B is the jaw which is fixed relatively to the handle and it comprises a steel plate having a broad part, of the length of the blade, and provided with pins *b* adapted to register with and fit the holes as usually made in the blade at the center line thereof, and an extension or narrower part C, terminating in an ordinary tang (not seen) for securing said jaw B through its said extension to the handle A in a usual manner.

D is the movable jaw comprising a similar steel plate having a corresponding broad part provided with holes *d* which are adapted to register with the pins *b* of the fixed jaw, and an extension, or narrower part, E which is pivoted at *e* to the part C of the fixed jaw, close to the adjacent end of the handle, so that said part E shall be within the convenient reach of the thumb of the hand in which the handle is held. The pivot *e* holds the parts C and E in contact at the pivotal junction, from which they spring slightly apart, and the pivot permits the movable jaw to be swung from and back over the face of the fixed jaw, just clear of the pins *b* and in registration therewith by means of the thumb placed on the part E outside of the pivot *e*, while holding the handle in the hand.

The clamp F consists, preferably, of a tube provided with a longitudinal slot *f* extending from end to end of the tube, and adapted to pass over the rear edges of both the jaws when pressed together upon the blade.

G is the thumb lever which, as shown, consists of an integral extension from the clamp projected in a straight line coincident with one side of the slot of the clamp, so that said extension may lie flat on the top or outer side of the part E of the movable jaw and present the slot opposite to the rear edges of both the jaws and to pass upon or over them when pressed together upon the razor blade as seen in Fig. 3. The thumb lever is permanently pivoted at *e* to the outside of the part E of the movable jaw, so as to turn freely on said pivot as a fulcrum point. The thumb lever, preferably, has a knob *a* at the end for more conveniently working the same for setting the clamp on the jaws or turning it off of them with the thumb of the same hand which grasps the handle. The front edges of the jaws are preferably beveled or thinned down as seen best in Fig. 3 so as not to interfere with, or rub against, the strop when the edge *h* of the blade rests in contact therewith, as when stropping the blade.

To put the blade in the holder, assuming the latter to be closed, the operation should be as follows: Take the tool by the handle in the hand with the thumb on the knob *a*,

press the thumb lever in the direction required to throw the clamp off of the jaws and into the position relatively to the movable jaw, which is shown in Fig. 2; then bringing the thumb upon the part E just outside the pivot *e* swing the movable jaw D into the position relatively to the fixed jaw seen in Fig. 2, then place the blade on the fixed jaw with the holes in the blade on the pins *b*; then, wth the thumb still on the part E swing the movable jaw back into proper adjustment so that holes *d* will register with the pins *b* of the fixed jaw; and now grasp the extreme end of the jaws with the fingers of the other hand and press them together upon the blade and thumb the clamp into place on the jaws by throwing the thumb lever back to its position seen in Fig. 1.

All danger of cutting the fingers in setting the clamp on the jaws when the blade is between them is obviated through the instrumentality of the thumb-lever, adapted to work in conjunction with the handle and other parts, in the manner shown and described.

What I claim and desire to secure by Letters Patent is:

1. A holder for safety-razor blades, comprising a handle provided with a pair of plate-like jaws, adapted to spring apart slightly and to embrace a razor blade in combination with a slotted tubular clamp, adapted to fit over the rear edges of the jaws, and a lever attached to the clamp, the lever being pivoted to one of the jaws, and adapted to set the clamp on the jaws, as specified.

2. A holder for safety razor blades, comprising a handle, a jaw fixed relatively to the handle, a jaw pivoted to the fixed jaw near its connection with the handle and movable relatively to the handle, a clamp adapted to hold the jaws together, a thumb-lever connected to the clamp, and a pivotal connection of the thumb-lever with the movable jaw as specified.

3. A holder for safety razor blades, comprising a handle, a fixed jaw having parts B and C, a movable jaw having parts D and E, the part E being pivoted to part C near the handle, and a slotted tubular clamp F, having an integral extension G, said extension being pivoted to the part E near its junction with the part D as specified.

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