Aug. 25, 1931. P. A. FRANK 1,820,218

SAFETY RAZOR

Filed May 16, 1928

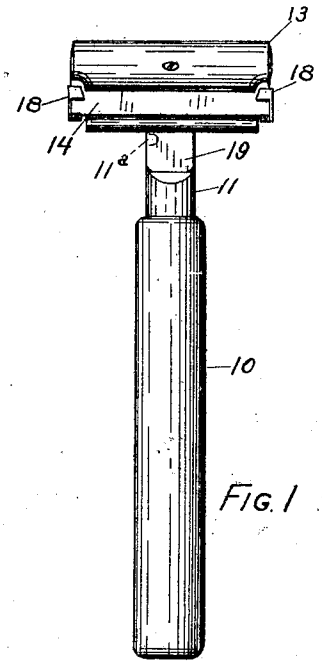


FIG. 1

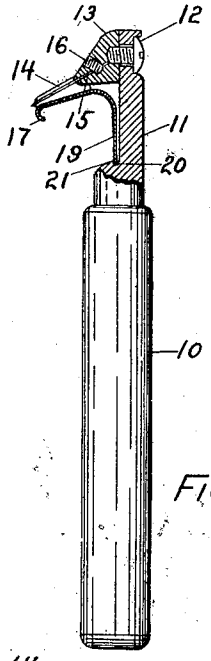


FIG. 2

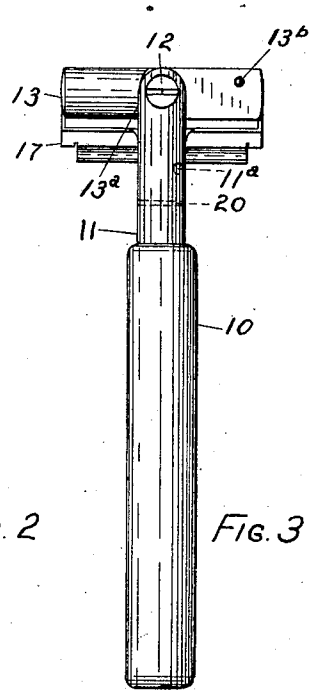


FIG. 3

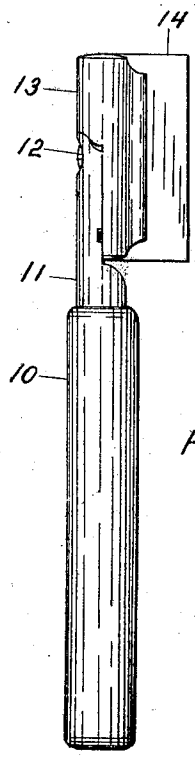


FIG. 4

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SAFETY RAZOR

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This invention relates to safety razors.

The general purpose of the invention is to provide a safety razor adapted to be stropped in the manner of a common razor without removing the blade and mounting it on a separate stropper device or support.

Particularly the invention has for its object the provision of a safety razor with a swiveled blade supporting head whereby the head may be positioned for shaving transversely of the handle and may be positioned for stropping longitudinally of the handle, a detachable guard being provided for the blade when in shaving position.

A further object of the invention is to provide a detachable guard for a razor such as described above which will serve to hold the head of the razor in shaving position on its handle.

Heretofore most safety razors have been of either of two general classes, those in which, if the blade is to be stropped, it must be removed and mounted in a suitable holder, and those through which a strop is passed and having mechanism therein adapted to actuate the blade.

The first type is open to the objection that stropping takes too much time and hence is seldom done, the insertion of a new blade being preferred to the removal, stropping and reinsertion of the old.

The second type is not entirely satisfactory because, due to the movement of the strop through the razor, it becomes roughened and, accordingly, rolls the edge of the blade, and unless the razor is actuated in a careful manner along the strop, the strop is cut.

The razor of the present invention overcomes all these objections. It can be adjusted for stropping, sharpened and readjusted for shaving in a few seconds after each shave, the stropping of the razor being accomplished in the manner of an ordinary straight razor.

The above-described invention is embodied in a construction such as shown in the accompanying drawings and more particularly described below. It is to be understood that the invention is not limited to the specific embodiment shown and described.

Of the accompanying drawings,

Figure 1 is a front elevation of a safety razor embodying the invention;

Figure 2 is a right side elevation thereof, partly in section;

Figure 3 is a rear elevation thereof; and

Figure 4 is a left side elevation thereof as adjusted for stropping.

Referring to the drawings, the numeral 10 designates a suitable handle having a shank 11 which has swiveled on its end at 12 the blade suppport or head 13 of a safety razor. A blade 14 may be removably secured in the head 13 in any suitable way, as by mounting it in a slot 15 in said head through which is threaded a screw 16 extending through an aperture in the blade.

The head 13 is arranged to be adjusted from a position at right angles to the blade as shown in Figures 1 to 3 to a position in alignment therewith as shown in Figure 4. A shoulder 13^a on the head is arranged to engage shank 11 to limit movement of the head in one direction in shaving position, and head 13 also has a stud or projection 13^b thereon engageable in a slot 11^a in shank 11, the inner edge of which slot is adapted to be engaged by the projection 13^b to limit movement of the head in the other direction in a stropping position in alignment with the handle 10. It is to be noted that the head is so constructed that it becomes, in effect, an extension of the shank in stropping position whereby the back of the razor can be laid on the strop and the blade turned thereon alternately in opposite directions to follow the customary stropping movement.

The guard of the razor is designated by the numeral 17 and is of usual construction excepting that it is detachable, it being provided with ears 18, 18 engageable over the blade and also provided with a downwardly bent, flexible, resilient tongue 19 engageable in a slot 20 formed in the surface of a shoulder 21 on shank 11. The tongue 19, in addition to securing the guard in place, also acts through the guard to prevent displacement of the head for shaving position.

In use, it will be understood that to strop the razor the tongue 19 is flexed to disengage it from the slot 20, the guard 17 is slipped

off the blade, the head is rotated to the position shown in Figure 4 and the blade is stropped in the usual way. After stropping, the head is rotated into the position shown in Figures 1 to 3, the guard slipped over the blade and the tongue 19 is snapped into groove 20.

Modifications of the invention may be resorted to without departing from the spirit thereof or the scope of the appended claims.

What is claimed is:—

1. A safety razor comprising a handle, a blade supporting head swiveled thereon for movement to either a shaving position transversely of the handle or a stropping position longitudinally of the handle, stops for limiting movement of the head in each of said positions, and a detachable guard adapted to be slipped over the blade and having a downwardly bent, flexible, resilient tongue thereon, said handle having a shoulder thereon and a slot in the shoulder into which the tongue is adapted to engage to hold the guard in place.

2. A safety razor comprising a handle, a blade supporting head swiveled thereon for movement to either a shaving position transversely of the handle or a stropping position longitudinally of the handle, stops comprising abutting portions on the head and handle for limiting movement of the head in each of said positions, a detachable guard adapted to be slipped over the blade, and means for securing the guard in place, the guard having a portion adapted to prevent movement of the head from shaving position.

3. A safety razor comprising a handle, a blade supporting head swiveled thereon for movement to either a shaving position transversely of the handle or a stropping position longitudinally of the handle, stops for limiting movement of the head in each of said positions, and a detachable guard adapted to be slipped over the blade and into engagement with the handle to maintain the head in transverse position.

4. A safety razor comprising a handle, a blade supporting head swiveled thereon for movement to either a shaving position transversely of the handle or a stropping position longitudinally of the handle, and a detachable guard adapted to be slipped over the blade and having a downwardly bent, flexible, resilient tongue thereon, said handle having a shoulder thereon and a slot in the shoulder into which the tongue is adapted to engage to hold the guard in place.

5. A safety razor comprising a handle, a blade supporting head swiveled thereon for movement to either a shaving position transversely of the handle or a stropping position longitudinally of the handle, a detachable, flexible, angular guard adapted to be slipped over the blade, and means on the handle for securing the guard in place to maintain the head in the shaving position.

6. A safety razor comprising a handle, a blade supporting head swiveled thereon for movement to either a shaving position transversely of the handle or a stropping position longitudinally of the handle, a separable, flexible, angular guard adapted to lie alongside the blade and along the handle, and interengaging means between the handle and the guard for securing the guard in place.

7. A safety razor comprising a handle, a blade supporting head swiveled thereon for movement to either a shaving position transversely of the handle or a stropping position longitudinally of the handle, and a detachable guard adapted to be slipped over the blade and into engagement with the handle to hold the head in its transverse position.

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