

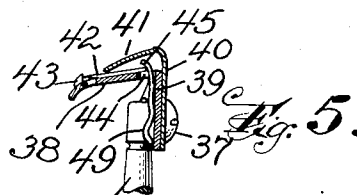
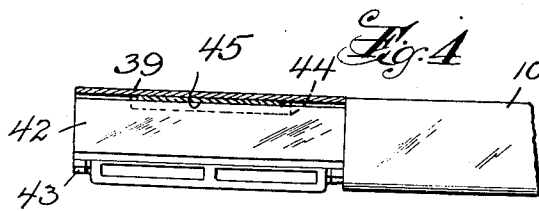
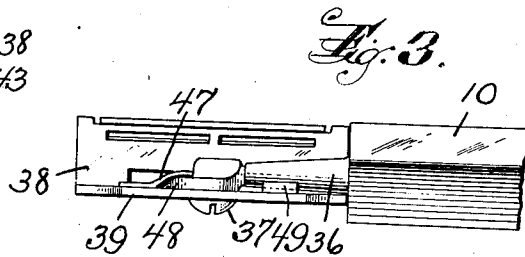
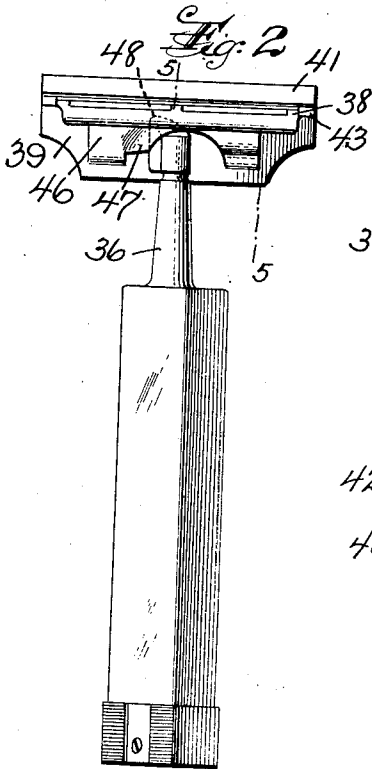
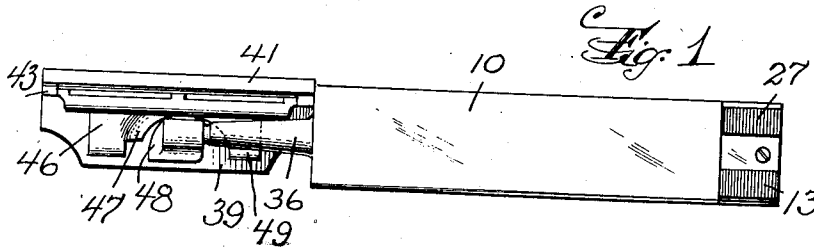
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O. V. RODRIGUES ET AL

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MAGAZINE RAZOR

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MAGAZINE RAZOR

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 Magazine Repeating Razor Company, New
 York, N. Y.

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3 Claims. (Cl. 30—40)

This invention relates to a razor having a shaving head mounted pivotally on a post and novel in that it is provided with a spring that engages the rear edge of a blade and moves it forward when the shaving head is transverse to the post but is retreated from the blade when the shaving head is parallel with the post. The spring may also be provided with a knuckle or finger to engage the post to yieldingly hold the shaving head and the post in such parallel relation.

The invention is illustrated in the accompanying drawing. Figure 1 is a side view of a razor embodying our improvements. Figure 2 is a face view of the razor with the shaving head transverse of a post on the handle. Figure 3 is a bottom view of the shaving head and part of the handle. Figure 4 is a top view of the shaving head with the top plate broken away. Figure 5 is a section on line 5—5 in Figure 2.

The invention is applicable to razors that feed blades endwise into a shaving head, the blades being stored until used in a stack placed in a magazine. The magazine is shown in the drawing as forming the handle of the razor. The magazine is designed to prevent jamming by depressing the stack of blades as soon as the top one is started on its passage from the magazine and holding the stack depressed until the blade in transit is finally ejected. The depressor holds the stack low enough to prevent the top blade being engaged by the ejector slide. The depressor is retreated entirely from the stack by the ejector slide only after the ejector slide has fully completed the ejection of a blade.

The magazine comprises a casing 10, usually square in shape and containing a stack of blades. We show a commercial type of holder having a grip 27 for operating the ejecting slide of the magazine. Since these inside parts are no part of this invention they are not shown in detail.

This invention relates particularly to the securing of the blade in the shaving head and the temporary fixation of the shaving head on the post when in blade-receiving position. This is a fixture that is designed to hold the shaving head securely in position when a blade is fed into it and also positively move the blade to proper shaving position when the shaving head is swung on its pivot from receiving position to shaving position. The shaving head and the magazine are disposed so that a blade is fed to the shaving head in rear of its proper position for shaving, as shown in Figure 4. This requires that the blade be pushed forwardly after seating in the shaving head. This forward movement is automatically

accomplished when the shaving head is swung to a position transverse, or nearly so, to the post.

The post 36 is the support for the shaving head which is pivoted to the post by the screw or pin 37. The shaving head comprises a blade platform 38 extending forwardly from the rear plate 39. A back plate 40 is bent forwardly to form a resilient top plate 41 which engages the top face of the blade 42. The blade platform may be provided with corner stops 43. The blade platform is slotted at the back as at 44 to receive a spring to push the blade forwardly and hold the blade in place against shaving pressure. The spring lip 45 extends through the slot and its bottom end or leaf 46 extends across the front face of the rear plate 39 and bears thereon by spring pressure being under normal tension to push the lip 45 forward. The spring 45 is secured in place by soldering or welding the part 46 to the rear plate 39 or it can be carried through a slot in the plate 39 and bent over before the back plate 40 is soldered on. The leaf has at one end, that is, to one side of the post a cam part 47 which is adapted to engage a cam 48 on the post. These two cams when engaged push the lip 45 forwardly and press a blade firmly against the stops 43 as shown in Figure 5. This is due to the cam part 47 being narrowed toward the rear plate at its upper portion and the cam part 48 being complementary thereto.

The leaf 46 has a bump or rounded projection 49 on the other side of the post and is disposed so as to engage the post when the shaving head is swung parallel to the post as shown in Figures 1 and 3. The projection 49 snaps over the edge of the rounded post and not only holds the shaving head firmly in position for receiving a blade from the magazine but also insures the retreat of the lip 45 to clear it from the path of the rear edge of an incoming or fresh blade.

Various changes can be made in the form and proportion of the parts without departing from the invention as set forth in the claims.

We claim:

1. In a safety razor of the magazine type, a post, a shaving head pivoted to the post, the shaving head comprising a blade platform and a top plate for holding a blade between them, a spring on the shaving head for engaging the rear edge of a blade and having a cam portion thereon and a cam on the post for moving the spring out of contact with the blade when the shaving head and the post are parallel.
2. In a safety razor of the magazine type, a post, a shaving head pivoted to the post, the

- shaving head comprising a blade platform and a top plate for holding a blade between them, a spring on the shaving head for engaging the rear edge of a blade and having a cam portion thereon, a cam on the post for moving the spring out of contact with the blade when the shaving head and the post are parallel and a finger on the spring for engaging the post for yieldingly holding the head firmly on the post in such parallel position.
- 10 3. In a safety razor, a post, a shaving head pivoted to the post, the shaving head comprising

a blade platform and a top plate for holding a blade between them, a spring on the shaving head for engaging the rear edge of a blade on the blade platform, the post and spring having cooperating parts for holding the shaving head in position parallel to the post and for moving the spring out of contact with the blade, and having other co-operating parts for moving the spring in contact with the blade when the shaving head is swung to a position angular to the post.

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