No. 856,438. PATENTED JUNE 11, 1907.

P. BELTRAME & P. FALCHI.

SAFETY RAZOR.

APPLICATION FILED MAR. 2, 1903.

Fig. 1.

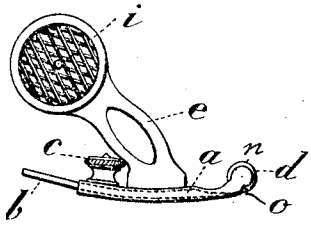


Fig. 2.

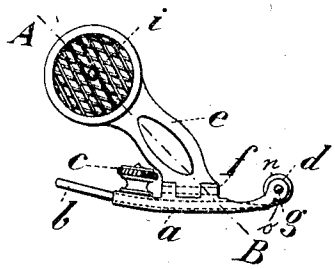


Fig. 3.

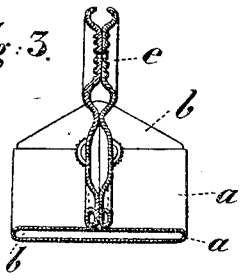


Fig. 4.

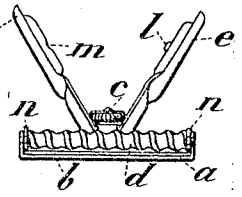


Fig. 5.

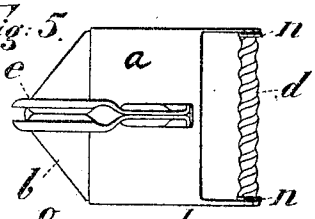


Fig. 6.

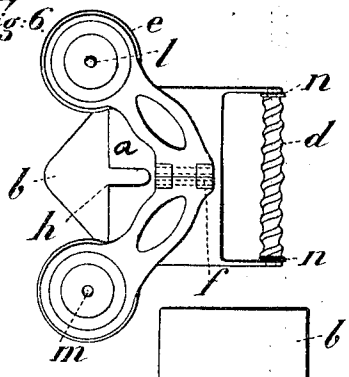


Fig. 7.

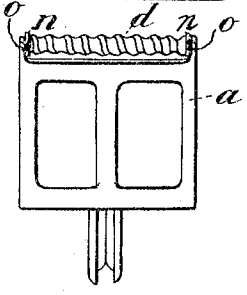
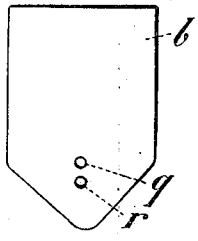


Fig. 8.



Witnesses

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UNITED STATES PATENT OFFICE.

PIETRO BELTRAME AND PIETRO FALCHI, OF TERNI, ITALY.

SAFETY-RAZOR.

No. 856,438. Specification of Letters Patent. Patented June 11, 1907.

Application filed March 2, 1903. Serial No. 146,430.

To all whom it may concern:

Be it known that we, PIETRO BELTRAME, a subject of the King of Italy, and PIETRO FALCHI, a subject of the King of Italy, both residing at Terni, in Italy, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

The present invention relates to a safety-razor, particularly a flat folding safety-razor, which can be readily packed in a very small space or carried in the waist-coat pocket. A practical construction of this razor measures 3½ inches in width, 2½ inches in breadth and about ⅛ of an inch in thickness when the handles are folded down, which is distinguished by having its blade and sheath so curved as to enable the operator easily following the natural curves of the face even with a quite inexperienced hand.

In the accompanying drawings:—Figure 1 is an elevation of the safety-razor with handle and safety-roller fixedly mounted: Fig. 2 is an elevation of the razor with a hinged handle and movable roller. Fig. 3 is a section on the line A—B in Fig. 2. Fig. 4 is a front view showing the handle half-opened. Fig. 5 is a plan view with the handle in closed position. Fig. 6 is a similar view with the handle opened or turned down and the clamping-screw removed to show the slot in which the screw engages. Fig. 7 is an under side view with the blade removed. Fig. 8 shows the blade.

The new razor may be made in two forms namely with a rigidly fixed handle or with a two-armed handle *e* hinged at *f*, Fig. 2. The sheath *a* instead of being flat as usual, is curved as is also the blade *b*. The sheath is provided with a slot *h* for a screw *c* serving for fixing the blade, when the razor is to be used, in adjusted position. After use the blade may be retracted into the sheath and fixed by the screw. The handle *e* is made sufficiently strong and is preferably provided with corrugations to secure a firm grip on the fingers. In the construction shown in Fig. 2 it is composed of two hinged wings or arms which are turnable in opposite directions. To secure the arms to each other, one of the arms is provided with a pin *l* which enters a hole *m*, provided in the other arm.

In the fore part of the sheath *a* there is a screw roller *d* which may be stationary (Fig. 1) or rotatable about an axle *g* (Fig. 2). In both cases it is provided at its ends with washers *n*. The washers, or rings of the stationary roller Fig. 1 are each provided with a recess *o* which engages the blade whereby the cutting edge of the blade is prevented from being advanced beyond the axis of the roller. This arrangement makes it quite impossible for the operator to cut himself, however inexperienced he may be. The blade *b* is made of tempered steel and is provided with two holes for the securing screw. This screw is first inserted into the hole *q*, and after long use and wear of the blade the screw can be inserted in the rear hole *r*, so that a considerable portion of the blade can be used up before it is necessary to substitute a new blade.

What we claim as our invention and desire to secure by Letters Patent, is:—

1. A flat safety razor comprising in combination a sheath of flattened tube form having one end slightly curved upward, a correspondingly shaped blade adapted to fit into said sheath, and provided with holes as described a guard on the upwardly curved end of the sheath at a point where the cutting edge of the positioned blade projects, and a clamping screw adapted to engage in the holes in the blade.

2. A flat folding safety razor comprising in combination a sheath in the form of a split flattened tube having an end slightly curved upward, a correspondingly shaped blade adapted to fit into said sheath, a guard on the upwardly curved end of the sheath, folded over edges of the adjacent portions of the split tube formed into hinge parts and two handles connected to said hinge parts.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

PIETRO BELTRAME.
PIETRO FALCHI.

Witnesses:
A. RAZZI,
E. SGRUZZARDI.