Sept. 2, 1930. J. B. FRIEDMAN ET AL 1,774,596

SAFETY RAZOR HANDLE

Filed Jan. 11, 1928

Fig. 1.

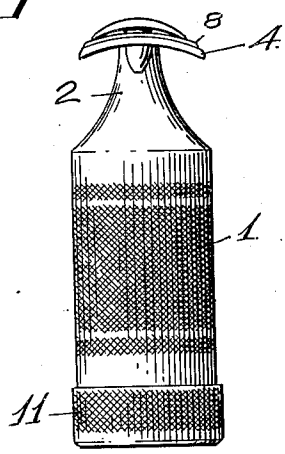


Fig. 2.

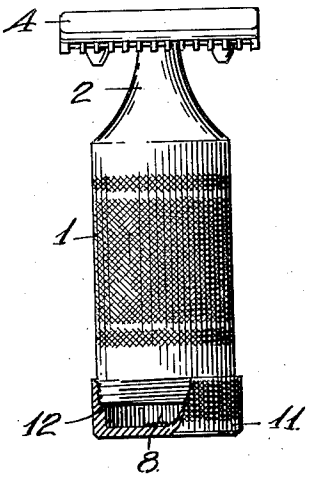


Fig. 3.

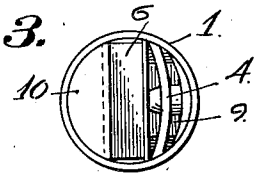


Fig. 4.

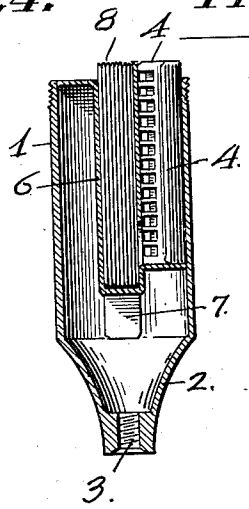


Fig. 5.

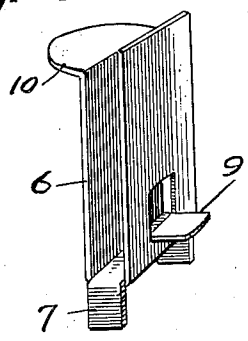
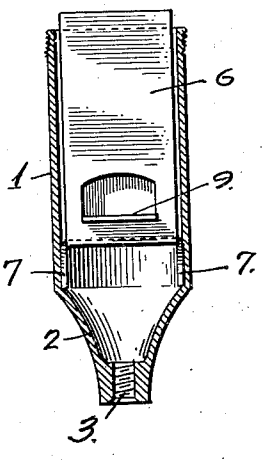


Fig. 6.



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UNITED STATES PATENT OFFICE

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SAFETY-RAZOR HANDLE

Application filed January 11, 1928. Serial No. 245,949.

Our invention relates to a new and improved article of manufacture wherein the detachable handle of a safety razor of the type having a detachable head and blades operates as a container for said head and blades when detached and not in use thereby providing a self-contained safety razor.

The primary object of the present invention is to provide a new and improved article of manufacture comprising a self-contained safety razor.

Another object of the present invention is to provide a new and improved handle for safety razors arranged to operate as a container for the detachable head and blades of said razor when said head and blades are not in use.

A further object of the invention is to provide a new and improved article of manufacture consisting of a safety razor having a handle provided with means for storing the detachable head and blades as well as additional blades, whereby the cost of a separate container for the razor, when not in use, may be eliminated.

A still further object is to provide a convenient means for storing or transporting a safety razor when not in use.

We accomplish these and other objects by means of the improved device disclosed in the drawings forming a part of the present application wherein like characters of reference are used to designate similar parts throughout the specification and drawings, and in which—

Fig. 1 is an elevation of our improved razor assembled for use;

Fig. 2 is a partly broken side elevation of Fig. 1;

Fig. 3 is an end view of the container or recess end of the handle with the cover removed and the razor heads enclosed;

Fig. 4 is a vertical sectional view of the razor with the blades and head stored therein;

Fig. 5 is a detailed perspective view of the member for separating the heads and blades within the handle and for holding or supporting them slightly projected; and

Fig. 6 is a vertical sectional view taken at right angles to the view disclosed in Fig. 4, with the detachable head and blades removed.

Referring to the drawings the numeral 1 is used to designate a hollow handle having an open end and provided with a reduced portion 2 having a threaded aperture 3 in the end thereof to detachably engage the central threaded lug, not shown, of a head 4 of a safety razor of the Gillette type. As this detachable head, consisting of two pieces, is so well known and forms no part of the present invention it need not be shown in detail or further described.

Frictionally engaging the interior surface or wall of the hollow handle 1 is a U-shaped spring member 6 provided at opposite sides with suitable spring legs 7 at the bottom thereof, which legs 7 are arranged to hold the member 6 in such relation to the hollow handle and the open end thereof that a package of razor blades 8 held within said U-shaped spring member 6 will be projected slightly beyond the said open end, as disclosed in Fig. 4 of the drawings and thereby facilitate removal of one or more blades when required for use.

One of the legs of the U-shaped spring member 6 is provided with a shelf formed by a struck up leg 9 extending laterally from the members 6 in order to support the detachable head 4 within the recess of the hollow handle 1 in such relation thereto that said head 4 will also be projected slightly beyond the open end of the hollow handle 1 as disclosed in Fig. 4 of the drawings, also for the purpose of facilitating removal of said head 4 when required for use.

A suitable semi-circular flap 10 may be provided on the top of one leg of the member 6 opposite the head compartment in order to close the space at the open end of the hollow handle 1.

The member 6 is a spring member in order to exert a slight pressure upon the head 4 and press the same close to the opposite or adjacent inner surface of the hollow handle 4 and thereby provide a snug fit. This is further enhanced by the package of blades 8 so that the said head 4 and blades 8 may be snugly contained within the hollow handle 1 and thus form a compact self-contained

safety razor with the handle operating as a container for the head and extra blades.

A cap 11 is provided to screw onto the open end of the container or handle 1 and is provided with an annular shoulder 12 to engage the end of the said open end of the said handle 1 and thereby hold the inner surface of said cap 11 in spaced relation to the end of the handle 1 to prevent jamming of said cap against the ends of the extra blades 8.

In operation the cap 11 is unscrewed and the head 4 and one of the blades 8 are removed and assembled in the usual manner and the head 4 is then detachably mounted upon the reduced end of the handle 1 by screwing the central threaded lug or stud of said head 4 into a threaded aperture 3 in the end of the reduced portion 2 of the said handle 1, and the tension or adjustment of the blade 8 is accomplished in the well known manner, and the razor is then assembled for use, such operation being completed, if desired, by rescrewing the cap 11 back onto the open end of the container 1.

This flat cap further provides a means whereby the razor may be temporarily stood upon its end, vertically, if desired, instead of laying the same flat upon a surface, which is not possible with the present safety razor of the Gillette type.

After use the head and blades are disassembled and restored to their respective compartments within the hollow handle 1 as disclosed in Fig. 4 of the drawings, and the cap 11 is then screwed in place to close the open end of the hollow handle or container.

Having thus described our invention what we claim as new and desire to secure by Letters Patent is—

1. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head and blades at the other end thereof; a spring member detachably mounted within the handle and comprising a pair of spaced partitions connected at their lower ends and adapted to normally spring apart, said partitions forming pockets within the handle to receive a safety razor head and a plurality of blades.

2. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head; a spring member detachably mounted within the handle and comprising a pair of spaced partitions connected at their lower ends and adapted to normally spring apart, said partitions forming pockets within the handle to receive a safety razor head and a plurality of blades when not in use; and means for centering the spring member within the handle.

3. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head; a spring member detachably mounted within the handle and comprising a pair of spaced partitions connected at their lower ends and adapted to normally spring apart, said partitions forming pockets within the handle to receive a safety razor head and a plurality of blades; and an arcuate extension formed upon the outer end of one of the partitions and fitting within the outer end of the handle to center the member within the handle and to close the space at one side of said member.

4. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head; a spring member detachably mounted within the handle and comprising a pair of spaced partitions connected at their inner ends to form a U, and having lugs formed at the inner end of said U to engage the end of the handle and support said spring member therein to define pockets adapted to receive a razor head and a plurality of blades.

5. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head; a spring member detachably mounted within the handle and comprising a pair of spaced partitions connected at their inner ends to form a U, and having lugs formed at the inner end of said U to engage the end of the handle and support said spring member within said handle to define pockets adapted to receive a razor head and a plurality of blades; and a shelf struck from one of the partitions and extending laterally therefrom to support the head within the handle.

6. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head; a spring member detachably mounted within the handle and comprising a pair of spaced partitions connected at their inner ends to form a U, and having lugs formed at the inner end of said U to engage the reduced end of the handle and support said spring member within the handle to define pockets adapted to receive a razor head and a plurality of blades; a shelf struck from one of the partitions and extending laterally therefrom to support the head within the handle; and means formed upon the spring member for centering said member within the handle.

7. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head; a holder detachably mounted within the handle and comprising a U shaped spring member having its sides adapted to normally spring slightly apart and provided with lugs to form legs at the bottom end of the member and support said member within the

handle; a laterally extending shelf struck from one of the sides of the spring member to support the safety razor head within one side of the handle, the sides of the spring member being sprung apart to receive a plurality of blades therebetween and to hold the head against the side of the handle.

8. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head; a holder detachably mounted within the handle and comprising a U shaped spring member having its sides adapted to normally spring slightly apart and provided with lugs to form legs at the bottom end of the member and support said member and thereby provide longitudinal pockets within the handle; a laterally extending shelf struck from one of the sides of the spring member to support the safety razor head within one side of the handle, the sides of the spring member being sprung apart to receive a plurality of blades therebetween and to hold the head against the side of the handle; and an extension formed upon the outer end of the opposite side of the spring member to close the space upon said side of the member and to center the member within the handle.

9. As an article of manufacture, a hollow handle open at one end and provided with means for detachably engaging a safety razor head; a holder detachably mounted within the handle and comprising a U shaped spring member having its sides adapted to normally spring slightly apart and provided with lugs to form legs at the bottom end of the member and support said member within the handle; a laterally extending shelf struck from one of the sides of the spring member to support the safety razor head within one side of the handle, the sides of the spring member being sprung apart to receive a plurality of blades therebetween and to hold the head against the side of the handle; an extension formed upon the outer end of the opposite side of the spring member to close the space upon said side of the member and to center the member within the handle; and a cap detachably engaging the open end of the handle to enclose the head and blades therein.

In witness whereof, we hereunto set our signatures.

JOSEPH B. FRIEDMAN.
ALBERT E. FRIEDMAN.