W. P. COLEMAN.

RAZOR.

APPLICATION FILED OCT. 21, 1920.

1,404,686. Patented Jan. 24, 1922.

Fig. 1.

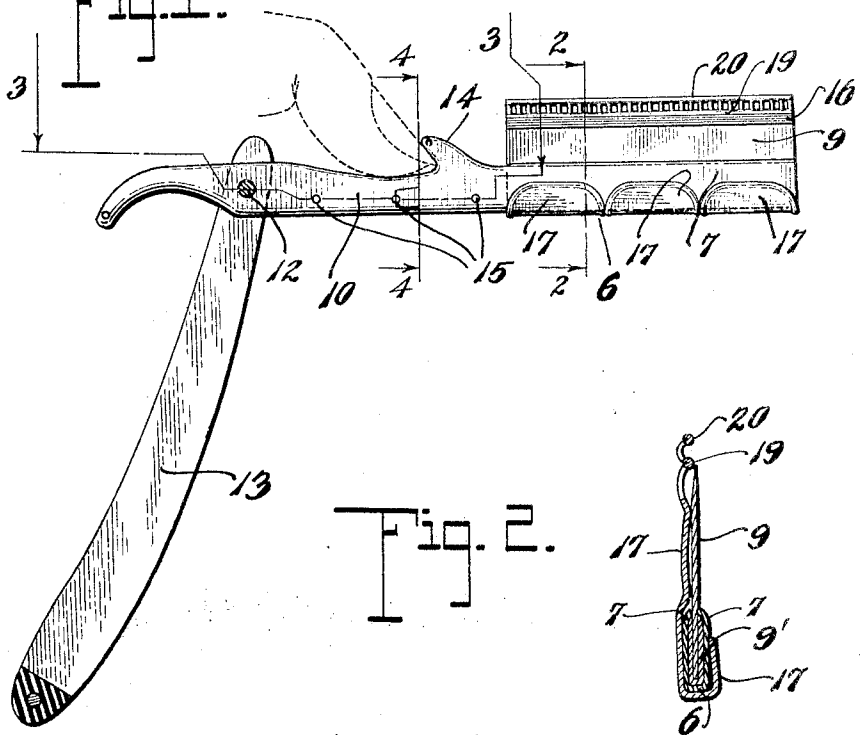


Fig. 2.

Fig. 3.

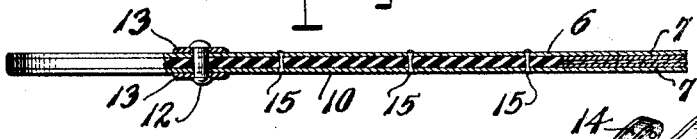


Fig. 4.

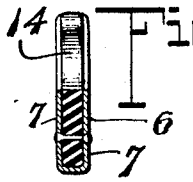
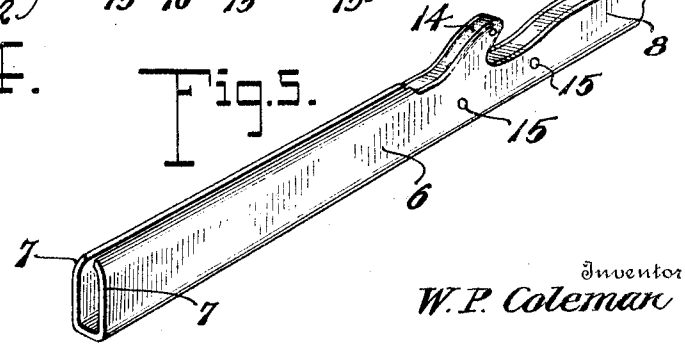


Fig. 5.



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UNITED STATES PATENT OFFICE.

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RAZOR.

1,404,686. Specification of Letters Patent. Patented Jan. 24, 1922.

Application filed October 21, 1920. Serial No. 418,389.

To all whom it may concern:

Be it known that I, WALTER P. COLEMAN, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Razors, of which the following is a specification.

The present invention relates to improvements in razors, and it has for its object to provide an improved holder for a detachable blade, the holder embodying blade retaining jaws and an unique grip or holding means whereby the razor may be more safely and accurately held, the grip or holding means being arranged to cooperate with the retaining jaws to correctly position the razor blade for shaving.

An additional object of my invention is to provide a blade holding device of new and peculiar design to which a safety guard, forming the subject matter of a seperate co-pending application, may be conveniently attached.

Other objects and advantages will more fully appear as the description proceeds, the novel features thereof being pointed out in the appended claims.

For a full understanding of the invention reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is an elevation of my improved razor, the safety guard above referred to being attached, and the handle in section;

Figure 2 is a vertical section on the line 2—2 of Fig. 1;

Figure 3 is a section on the line 3—3 of Fig. 1 looking in the direction of the arrows;

Figure 4 is a section on the line 4—4 of Fig. 1; and

Figure 5 is an enlarged perspective view of a portion of the body member thereof.

Referring to the drawings in which like reference numerals are used to designate corresponding parts in the different views, 6 designates the body member or holder of my razor and which may be formed by bending or folding any flat suitable sheet material longitudinally so as to form similar complemental and opposed jaws 7 between which the cutting blade is removably inserted from the outer extremity of the body, the length of the jaws 7 being such that the outer end of the blade, when inserted in the body member 6, is flush therewith.

The bends or folds in the body member or holder are so arranged that it is substantially rectangular in cross section, there being but a slight inclination of the jaws 7 one toward another, until the free ends thereof are approached when they converge sharply, as is clearly shown in Fig. 5, just sufficient space being left therebetween to admit of the insertion of a thin blade to be frictionally held firmly thereby.

The blade I employ is the conventional safety razor blade of proper length, having the usual wedge shaped web stiffened by a U-shaped clip affixed to its back edge. In Fig. 2, the position of the blade within the jaws 7 is clearly indicated, the blade being designated by the numeral 9, and the clip by 9′.

It will be readily perceived that the inner walls of the jaws 7 closely engage the clip 9′, the blade being forced against the back of the body through the spring-like tension of the jaws 7 against the said clip. The free ends of the jaws 7 are bevelled to fit flush against the web of the blade 9, thus insuring the blade remaining upright in the body and providing additional means whereby the warping, turning or twisting of the blade is prevented. Such an arrangement as I have provided insures that the blade shall remain rigid during use, either for shaving or stropping, with a limited and predetermined portion of the web thereof exposed above the retaining means.

Adjacent to the jaws 7, the body member 6 is cut away to form a tang 10, the longitudinal folding by which the jaws 7 are formed extending therealong so that the tang is substantially U-shaped in section. Within the tang is inserted a grip or holding member 11, hereinafter also referred to as an insert or filler member, which is shaped to fit snugly in the tang 10 its entire length and through which the pivotal connection 12, whereby the two-leaved handle 13, characteristic of the ordinary type of razor, is joined to the tang, passes.

The exposed side of the insert or filler member 11 is flush with the edges of the tang 10 its entire length, and immediately adjacent to the jaws 7 where a projecting finger piece 14 carried thereby is placed, said piece extending well above the plane of the jaws 7 and being inclined toward the razor handle 13, the sides of the tang 10 are raised to form a protection for said finger piece. Between said finger piece 14

and the handle 13, the tang is depressed for the purpose of forming better grip means. Any suitable means, such as the pins 15, may be employed to rigidly seat the insert or filler member 11 within the tang 10.

In addition to forming a means whereby the hand may be steadied when manipulating the razor in the operations of shaving and stropping, such as is indicated in Fig. 1, where it is shown forming a rest for the thumb which latter is pressed against the piece 14, the insert member 11 forms a guard for the hand and a stop limiting the extent to which the blade 9 may be inserted into the body 6.

From the description given the operation of the device is manifest. When it is desired to use the razor, a blade is selected and inserted into the body 6, the jaws 7 being flexible and admitting of slight separation to carry out this operation. As already indicated, the jaws 7 close snugly about the clip 9′ of the blade, their close engagement thereabouts insuring rigidity for the blade and preventing accidental displacement longitudinally, the insert member 11 predetermining the extent to which the blade may be inserted.

The advantages of a detachable blade are too apparent to need description. The combination of the detachable blade with the conventional form of razor is a distinct advantage, however, and in the device which I have invented I have combined with this construction a new and novel means for securing a firmer grip upon the razor, said means being utilized also to form a part of the blade retaining means.

While in the drawings I have illustrated a detachable guard adapted to be applied to this and other razors, said guard being designated by the numeral 16, and the gripping flanges carried thereby and utilized to hold it in engagement with the razor by the numerals 17, the novelty of this guard means is clearly set forth in a copending application and the purposes of the protector edges 19 and 20 are therein fully discussed, hence a more detailed description of this device is not herein warranted.

While I have illustrated the preferred form of my invention, it is not my intention to be limited to this specific construction as such alterations and modifications as come within the scope of the claims are to be resorted to when desired.

What I claim as new and desire to secure by Letters Patent of the United States is:—

1. In a razor structure of the type described including a handle, a blade holder formed from sheet material by longitudinal folding of the same to provide gripping means at one end, a filler piece arranged at the other end and provided with a guard projection positioned in rear of the blade gripping means to form a stop and a rest for the thumb preventing movement of the latter beyond a predetermined point with respect to the blade, the material of the blade holder extending along the sides of the projection to prevent damage thereto.

2. In a razor structure of the type described including a handle, a blade holder formed from sheet material by longitudinal folding of the same to provide blade gripping jaws at one end, a filler piece at the other end and formed on one side with a rearwardly extending projection and an adjacently disposed depression to provide a guard seat for the thumb, the marginal contour of the material of the blade holder coinciding with the edges of the exposed side of the filler piece whereby to protect the latter from damage and to admit of their conjoint action to prevent longitudinal movement of the thumb therealong beyond a predetermined point in the direction of the blade.

3. In a razor structure of the type described including a handle, a blade holder formed from sheet material by longitudinal folding of the same to provide blade gripping jaws at one end, a filler piece at the other end and having a guard for the thumb comprising a seat concavity and an adjacent rearwardly inclined nail-engaging projection shaped in conformity with the thumbnail, the marginal configuration of the blade holding means admitting of the filler piece being snugly seated therein whereby movement of the thumb beyond a predetermined point with respect to the blade is prevented by the conjoint action of the filler piece and holder.

In testimony whereof I affix my signature.

WALTER P. COLEMAN.