April 8, 1924. 1,489,460

A. G. ROBERTSON

RAZOR

Filed July 7, 1923

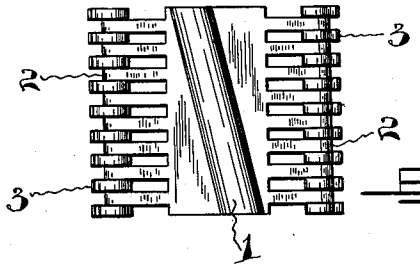



Fig. 2.

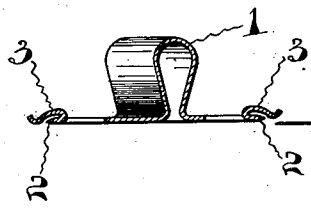



Fig. 1.

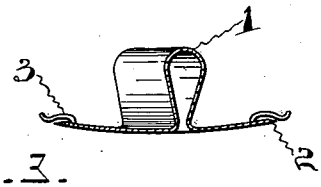



Fig. 3.

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# UNITED STATES PATENT OFFICE.

ATHOLE GEORGE ROBERTSON, OF TORONTO, ONTARIO, CANADA.

## RAZOR.

Application filed July 7, 1923. Serial No. 650,179.

*To all whom it may concern:*

Be it known that I, ATHOLE GEORGE ROBERTSON, of the city of Toronto, in the county of York, Province of Ontario, Canada, a subject of the King of Great Britain, have invented certain new and useful Improvements in Razors, of which the following is a specification.

This invention relates to razors of the safety type. These razors comprise a holder, guard and a removable blade, the blade being discarded when dull and a new one inserted. While these blades are comparatively cheap, the holder is more or less expensive.

My object is to devise a razor in which the holder, guard and blade are of integral construction so that the purchase of the holder may be avoided, and which will cost so little more to make than an ordinary blade, that it may be discarded when dull. Further objects will hereinafter appear.

I attain my objects by means of the constructions hereinafter described and illustrated in the accompanying drawings in which—

Fig. 1 is a cross section through my improved razor;

Fig. 2 a plan view of the same; and

Fig. 3 a cross section of a modified form of razor.

My razor comprises a blank of suitable steel, which blank is preferably bent intermediate the sides thereof to form the handle 1. The part at each side of the handle forms a blade 2 and is provided with a suitable cutting edge. A plurality of tongues or guards 3 are stamped up from the blank just back of the cutting edge and bent outwardly over the blade so that their ends extend just beyond the cutting edge and form a suitable safety guard.

As in shaving with safety razors as heretofore known, it is usual to draw the blade down over the face in the same direction as the natural growth of the beard, I find, however, that more satisfactory results can be attained if the cutting edge of the blade is held at an angle to the natural direction of growth of the beard. As it is difficult to hold the ordinary safety razor with the cutting edge at the desirable angle, I overcome the difficulty by arranging the cutting edges at an angle to the handle. The user holds the razor with the handle in the accustomed position, and the cutting edge will then be at an angle to the natural direction of growth of the beard, and will therefore cut the beard with a shearing action.

The blades might be straight as shown in Fig. 1, or they may be curved as shown in Fig. 3. It is also obvious that the handle 2 may be formed as a separate piece which may be suitably secured to the blades.

The construction above described may be used as a tool for cleaning off, smoothing or treating wooden or other surfaces, and it will be understood that the term "razor" in the claims is intended to cover any such tool.

From the above description it will be seen that I have devised a construction which will satisfactorily attain the objects of my invention as set out in the preamble of this specification.

What I claim as my invention is:—

1. In a razor or the like, a blade having a cutting edge at one side thereof, and having a plurality of guards stamped up therefrom intermediate the sides of the blade and bent back over the face of the blade and extending beyond the cutting edge.

2. In a razor or the like, a blade having a cutting edge at one side thereof, and having a plurality of guards stamped up therefrom adjacent the cutting edge and bent back over the face of the blade and extending beyond the cutting edge; a handle for said blade behind said guards, the handle extending transversely along the blade and at an angle to the cutting edge.

3. A razor or the like, comprising an integral piece of metal having a cutting edge formed at each side thereof and having a plurality of guards stamped up therefrom adjacent each cutting edge, said guards being bent over the face of the blade and extending beyond the cutting edges, a handle for said razor, the handle extending transversely of the blade and at an angle to the cutting edges.

4. A razor or the like comprising an integral piece of metal having a cutting edge formed at each side thereof and having a plurality of guards stamped up behind each cutting edge, said guards being bent over the face of the blade and extending beyond the cutting edges, said piece of metal being bent up in loop form between the cutting edges to form a handle.

5. A razor or the like comprising an integral piece of metal having a cutting edge formed at each side thereof, said piece of

metal being bent up in loop form between the cutting edges to form a handle.

6. A razor or the like comprising an integral piece of metal having a cutting edge formed at each side thereof, said piece of metal being bent up in loop form between the cutting edges to form a handle, the handle extending transversely of the blade and at an angle to the cutting edges.

7. A razor or the like comprising an integral piece of metal having a cutting edge formed at each side thereof and having a plurality of guards stamped up behind each cutting edge, said guards being bent over the face of the blade and extending beyond the cutting edges, said piece of metal being bent up in loop form between the cutting edges and at an angle thereto to form a handle.

Signed at Toronto, Canada, this 17th day of May, 1923.

ATHOLE GEORGE ROBERTSON.