Aug. 16, 1932. O. A. TANNEHILL 1,871,631

NONVACUUM RAZOR

Filed Feb. 5, 1931

Fig. 1.

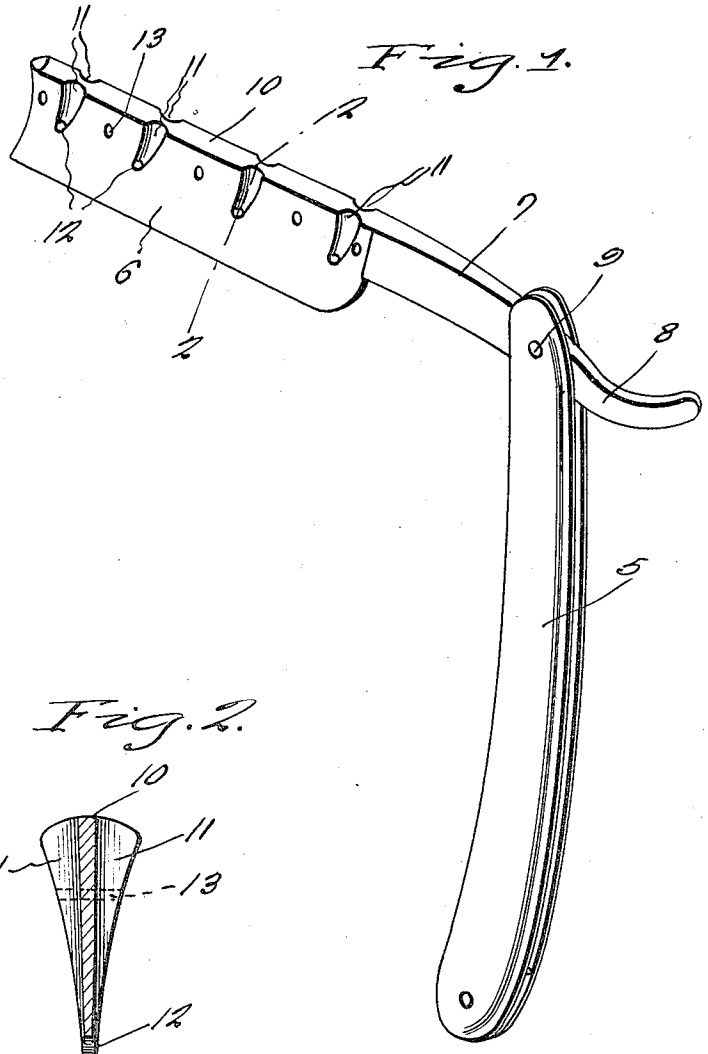
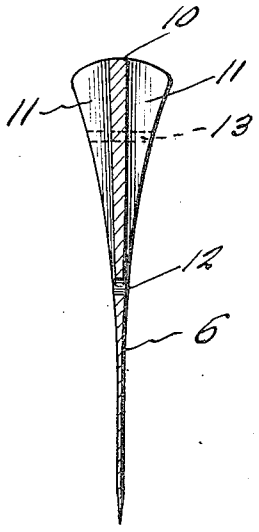



Fig. 2.




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# UNITED STATES PATENT OFFICE

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## NONVACUUM RAZOR

Application filed February 5, 1931. Serial No. 513,617.

This invention appertains to new and useful improvements in razors and the principal object of the invention is to provide a razor blade which will eliminate the creation of vacuum which occurs during the operation of shaving, as when the blade is held close to the face.

Another important object of the invention is to provide a razor blade which is perforated to increase the flexibility thereof which is desirable when honing or stropping.

These and other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawing—

Figure 1 represents a perspective view of the improved razor.

Fig. 2 represents a vertical sectional view taken substantially on line 2—2 of Fig. 1.

Referring to the drawing wherein like numerals designate like parts, it can be seen that numeral 5 represents the usual handle for receiving the blade 6, the blade 6 being provided with the usual shank 7 and finger engageable extension 8 which is pivotally connected to the handle 5 as at 9.

The blade is of the concave type and in carrying out the invention, it can be observed in Fig. 1, that the thick back side 10 of the blade is the starting point for a plurality of grooves 11 extending inwardly on the blade and on opposite sides thereof to terminate at apertures 12 which extend through the blade midway between the longitudinal edges thereof. These openings 12 are arranged on a line passing longitudinally through the center of the blade and as is clearly shown in Fig. 1 additional openings 13 are provided through the blade at points between the grooves 11 and more toward the thickened back portions 10 and the openings 12.

It can also be seen, that the grooves 11 taper inwardly so as to merge with the face of the blade. Manifestly, in the act of shaving air can easily enter by way of the openings 12 and grooves 11 as well as the opening 13 to prevent the creation of vacuum between the blade and the face.

The openings 12 serve an additional function, in that they add to the flexibility of the blade so that the same will easily flex and flatten out on the hone or strop when in the act of honing or stropping the razor.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having thus described my invention, what I claim as new is:—

A razor of the character described comprising a blade having a thickened edge portion, said blade being provided with inwardly extending grooves extending inwardly from the thickened edge portion, said blade being provided with openings at the inner ends of the said grooves.

OTIS A. TANNEHILL.