

P. H. UNSINGER.
SAFETY RAZOR.
APPLICATION FILED DEC. 27, 1910.

1,006,607.

Patented Oct. 24, 1911.

Fig. 1

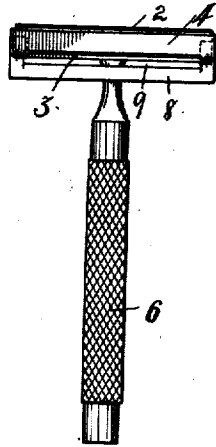


Fig. 2

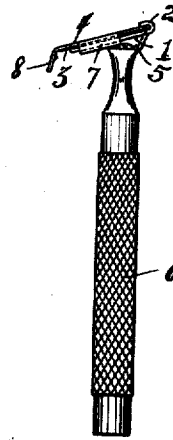


Fig. 3

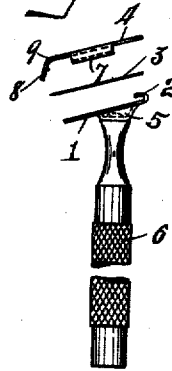


Fig. 4

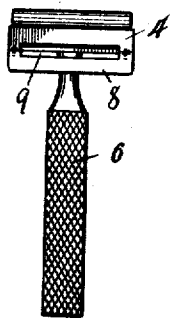


Fig. 5

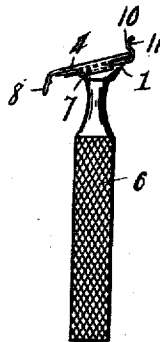
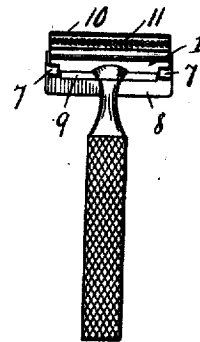


Fig. 6



WITNESSES.
C. E. Walker.
W. S. Sackell.

INVENTOR.
P. H. Unsinger,
By Owen & Owen,
His attys.

UNITED STATES PATENT OFFICE.

PHILLIP H. UNSINGER, OF FREMONT, OHIO.

SAFETY-RAZOR.

1,006,607.

Specification of Letters Patent.

Patented Oct. 24, 1911.

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To all whom it may concern:

Be it known that I, PHILLIP H. UNSINGER, a citizen of the United States, and a resident of Fremont, in the county of Sandusky and State of Ohio, have invented a certain new and useful Safety-Razor; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to safety-razors, and it has for its object the provision of an improved and highly efficient razor of this character, which is simple, durable and inexpensive in its construction, is free from springs and corners which are hard to clean and insanitary, is capable of being easily and quickly cleaned, and does not require water pressure for cleaning but can be cleaned by rinsing it in a basin of water. The blade is also rigidly supported for its entire length and width to prevent a vibrating thereof during shaving, and is absolutely protected at the corners thereof.

Further objects of my invention as well as the operation, construction and arrangement of the parts thereof are fully described in the following specification, and while, in its broader aspect it is capable of embodiment in numerous forms, a preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of a safety-razor embodying my invention. Fig. 2 is a side elevation thereof. Fig. 3 is a similar view thereof with the parts disassembled, and Figs. 4, 5 and 6 are front, side and rear elevations of a form thereof designed for use as a corn-parer or the like.

Referring to the drawings, 1 designates the holder or body of my safety-razor, and comprises a flat plate the rear edge of which is turned over upon itself as at 2, to receive and form a guard for the rear edges of the blade 3 and blade clamping-plate 4. The holder 1 is depressed centrally of its ends adjacent to its rear edge to provide a boss 5 to which the inner end of a handle 6 is rigidly secured in a suitable manner, the holder plate 1 being transversely tilted rela-

tive to the handle axis to stand at an oblique angle thereto as shown.

The blade 3 has its forward or cutting edge projected forwardly from the edge of the holder 1 when in proper position thereon, and is rigidly held to the holder by the clamping-plate 4 in such manner as to prevent any vibration of its cutting edge during shaving. This clamping plate is adapted to rest flat upon the blade and has its ends each provided with a tongue 7, which extends downwardly and inwardly under the associated end of the body-plate 1 to slidably cooperate therewith to hold the clamping-plate to the blade. The forward edge of the plate 4 is bent downwardly at an oblique angle in advance of the cutting edge of the blade 3, as shown at 8, to serve as a guard therefor, and is provided with an elongated longitudinally extending opening 9 through which the cutting edge of the blade is exposed. The opening 9 is disposed in the fold line of the guard 8 so that the blade edge extends forwardly of its rear wall, as shown. The corners of the blade are fully protected by the ends of the guard 8 so as to prevent any possibility of such ends irritating or cutting the skin during shaving.

It will be noted that the guard presents a smooth flat surface to the skin, which smooths the skin before the blade and prevents the blade from cutting the face. The form of guard shown is far superior in shaving to the toothed form of guard, as the opening between the guard and the blade edge, permits all hair and lather to pass freely therethrough to the underside of the blade and holder, where it can be easily removed by rinsing in water.

The form shown in Figs. 4 to 6 is smaller in size than the form in Figs. 1 to 3 and is particularly intended for the paring of corns, but may be used for other purposes for which it may be adapted or appropriate. The construction of this form of my invention is the same as that above described, except that the rear edge of the holder plate 1 instead of being bent over upon itself is bent only slightly inwardly over the rear edge of the plate 1 and then is turned rearwardly, as shown at 10, thus providing an elongated groove or concaved surface 11. The inner side of the metal

forming this groove is roughened, as shown, to provide a nail filing surface, which can be very conveniently used to file the toe or finger nails.

5 It is apparent that I have provided an exceedingly simple and strong form of instrument of the character described, which is easily cleaned, safe in use, and capable of being readily assembled or disassembled
10 as desired, and that the instrument shown in Figs. 4 to 6 is of considerable value for home use in the treating of corns, or the like, and the nails and also for the use of chiropodists.

15 I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far as such limitations are specified in the claims.

20 Having thus described my invention what I claim as new and desire to secure by Letters Patent, is,—

1. A safety razor comprising a flat holder-plate having a handle projecting from one
25 side thereof and having its rear edge turned upwardly to form a stop, a blade seating flat on said plate, and a flat clamping-plate superimposing said blade and having end ears which are bent to slidably cooperate
30 with the holder-plate to removably clamp the blade thereto, said clamping-plate having its forward edge bent downwardly to

provide a guard and having an opening therein in register with the cutting edge of the blade to expose the same.

2. A safety razor comprising a holder-plate having its rear edge fashioned to form a stop, a blade seating flat upon said holder-plate with its rear edge in contact with said stop and its forward edge projecting beyond the forward edge of the holder-plate, a flat clamping-plate seating upon said blade and having end ears which bend downwardly and inwardly under the ends of the holder-plate to slidably cooperate therewith to removably clamp the blade thereto, said clamping-plate having its forward edge bent downwardly in advance of the cutting edge of the blade to provide a guard therefor and having an opening throughout the greater portion of its length in register with the cutting edge of the blade to expose the same, the corners of the blade being guarded by the ends of the downwardly turned portion of the clamping plate.

In testimony whereof I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

PHILLIP H. UNSINGER.

Witnesses:

LOUISE R. NAUGLE,

PERCIVAL D. GARVER.