

(No Model.)

C. R. EVERTZ.
RAZOR.

No. 493,075.

Patented Mar. 7, 1893.

Fig 1

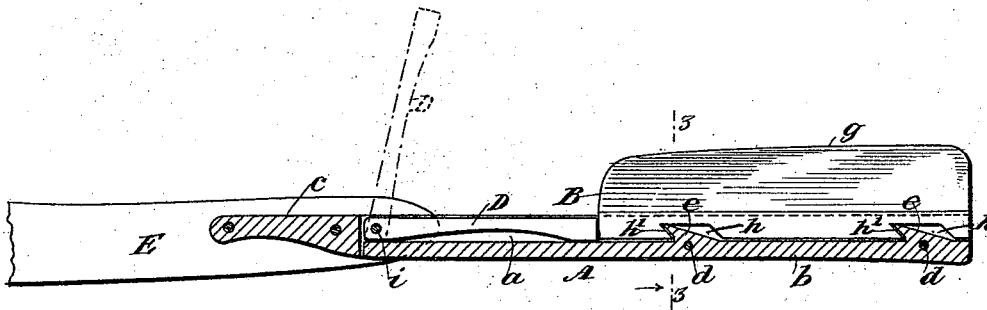


Fig 2

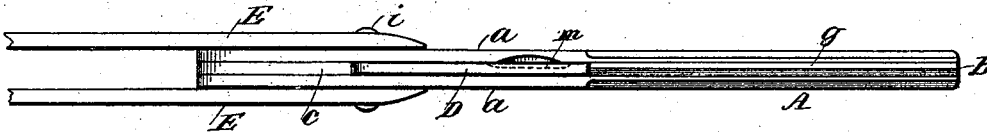
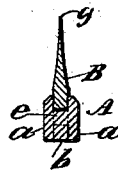


Fig 3



WITNESSES:

H. Walker
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INVENTOR

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UNITED STATES PATENT OFFICE.

CARL R. EVERTZ, OF BROOKLYN, NEW YORK.

RAZOR.

SPECIFICATION forming part of Letters Patent No. 493,075, dated March 7, 1893.

Application filed September 17, 1892. Serial No. 446,206. (No model.)

To all whom it may concern:

Be it known that I, CARL R. EVERTZ, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful
5 Razor, of which the following is a full, clear, and exact description.

The object of this invention is to provide a razor stock with a detachable blade, and furnish means for a quick and secure connection
10 of the blade with the stock or back piece, and which will also permit the blade to be removed readily and safely for interchange with any of a series of similar blades.

To this end my invention consists in the
15 construction and combination of parts, as is hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar letters of reference indicate
20 corresponding parts in all the figures.

Figure 1 is a longitudinal sectional view of the device with the handle broken at one end. Fig. 2 is an edge view of the improved razor
25 broken at one end; and Fig. 3 is a transverse sectional view on the line 3—3 in Fig. 1.

The stock or back piece A, is longitudinally grooved from the outer end toward the heel for the reception of a blade B, and a locking
30 dog D.

Preferably the stock A, is formed of separate pieces, that are cut or stamped from sheet metal, and then secured together by rivets or like means, said parts consisting of two sides
35 *a*, and two spacing strips *b*, *c*. The duplicate side pieces *a* are of proper proportionate width to form a suitable stock for the razor blade, and extend throughout the entire length of said back piece or stock. Between the sides
40 *a*, the spacing strip *b*, is secured along one edge of the parts named, and is of such a proportionate thickness as will afford a longitudinal groove for reception of the blade B; the connection between the spacing strip and side pieces being effected by rivets *d* or other
45 means.

On the edge of the spacing strip *b*, that is innermost, two tongues *e*, are formed which are hook shaped, the hook portions projecting toward the heel of the stock, as shown in
50 Fig. 1. At the heel of the stock the spacing strip *c* is introduced between the sides *a*, and secured thereto by rivets; or the parts may

be soldered or brazed together if preferred, the thickness of the two spacing strips *b*, *c*, being equal. 55

The razor blade B, is formed of steel, and preferably concave on each side, producing a thin cutting edge at *g*. The edge of the blade B that is to enter the groove in the stock, is left of sufficient thickness to fit therein neatly
60 but removably, and has notches cut in it as at *h*, in Fig. 1, for the engagement therewith of the hooked tongues *e*; and to facilitate an interlocking engagement of these parts, there is an integral hook *h'*, formed at the rearward
65 terminal of each notch, which hooks will grip the hooks of the tongues *e*, when the blade B, is slid into place as shown in the figure named. It will be seen that to fasten the blade B, in position, after it has been interlocked with
70 the hooked tongues *e*, it must be kept from sliding rearwardly, or toward the spacing piece *c*; at this end a lever dog D, is provided, which is pivoted at *i*, between the side pieces
75 *a*, of the stock, the piece *b* being adapted to press as a spring upon the dog near its pivot and hold it closed or in open adjustment. The length of the vibratile dog D, is such as will adapt it to bear with its front end upon
80 the rear end of the blade B, when folded into the groove of the stock, as indicated in Fig. 1. Two similar handle pieces E, are pivoted to the heel of the blade stock A, by the rivet
85 *i*, which is the fulcrum of the lever dog D. When the blade B, is in place, the razor can be used in the ordinary manner for shaving, there being no projections from the stock A, to obstruct its free manipulation by an operator. There is a nick formed at *m*, in the dog
90 D, along its side, to permit its withdrawal from the groove of the stock A, so that when the blade B, is to be removed, said dog is vibrated into the position shown by dotted lines in Fig. 1, which will release the blade and allow it to be slid rearwardly, thereby releasing
95 its hooked engagement with the tongues *e*, when it can be pulled out of the groove in which it is embedded.

It is contemplated to furnish a set of blades B, with a single stock A and its handle, so
100 that a dull blade may be removed and replaced by a sharp one when occasion may require such a substitution.

The parts of this improved device when as-

sembled for use, lock the blade removably in the stock, and provide a strong, neat and convenient razor, that has no projections to interfere with its free use, or catch on other articles.

5 The similar blades of the razor as formed, may be rapidly shaped with dies, that will cut the tongues on their edges at one stroke, so that these parts can be cheaply produced, as
10 well as the parts of the stock that are produced in a like manner.

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

15 1. In a razor, the combination with a grooved stock, a blade fitting the stock groove, hooks on the blade which interlock with projections on the base of the stock groove when slid forwardly in said groove, and a plain lever dog
20 pivoted in the stock groove and adapted to impinge its free end on the rear edge of the blade when said blade is fully inserted, substantially as described.

25 2. In a razor, the combination with a longitudinally grooved stock, hooked tongues on the base of the stock groove and forwardly projected, and a razor blade having hooks formed on one edge that mate the tongues in the stock groove and adapted to interlock

therewith when the blade is slid in the stock 30 groove from the rear forwardly, of a lever dog pivoted by one end in the stock groove behind the blade and pressed by the spring back of the stock, and a handle pivoted to fold on the stock, substantially as described.

35 3. In a razor, the combination with a stock composed of two sides, a spacing strip between said sides adapted to form a spring back for the stock, hooked tongues on said strip that point forwardly on the stock, and a
40 spacing strip at the heel of the stock all secured together to produce a longitudinal groove in the stock, of a razor blade fitted in the stock groove, hooks on the blade produced by spaced notches formed in the back edge
45 of the blade and adapted to interlock with the tongues on the spring back strip of the stock when slid forwardly in the stock groove, a lever dog pivoted to fold in the stock groove at the rear of the blade and be fully embedded
50 therein, its free end abutting upon the blade's rear end when said dog is in folded adjustment, and a folding handle pivoted on the stock, substantially as described.

CARL R. EVERTZ.

Witnesses:

WM. P. PATTON,
E. M. CLARK.