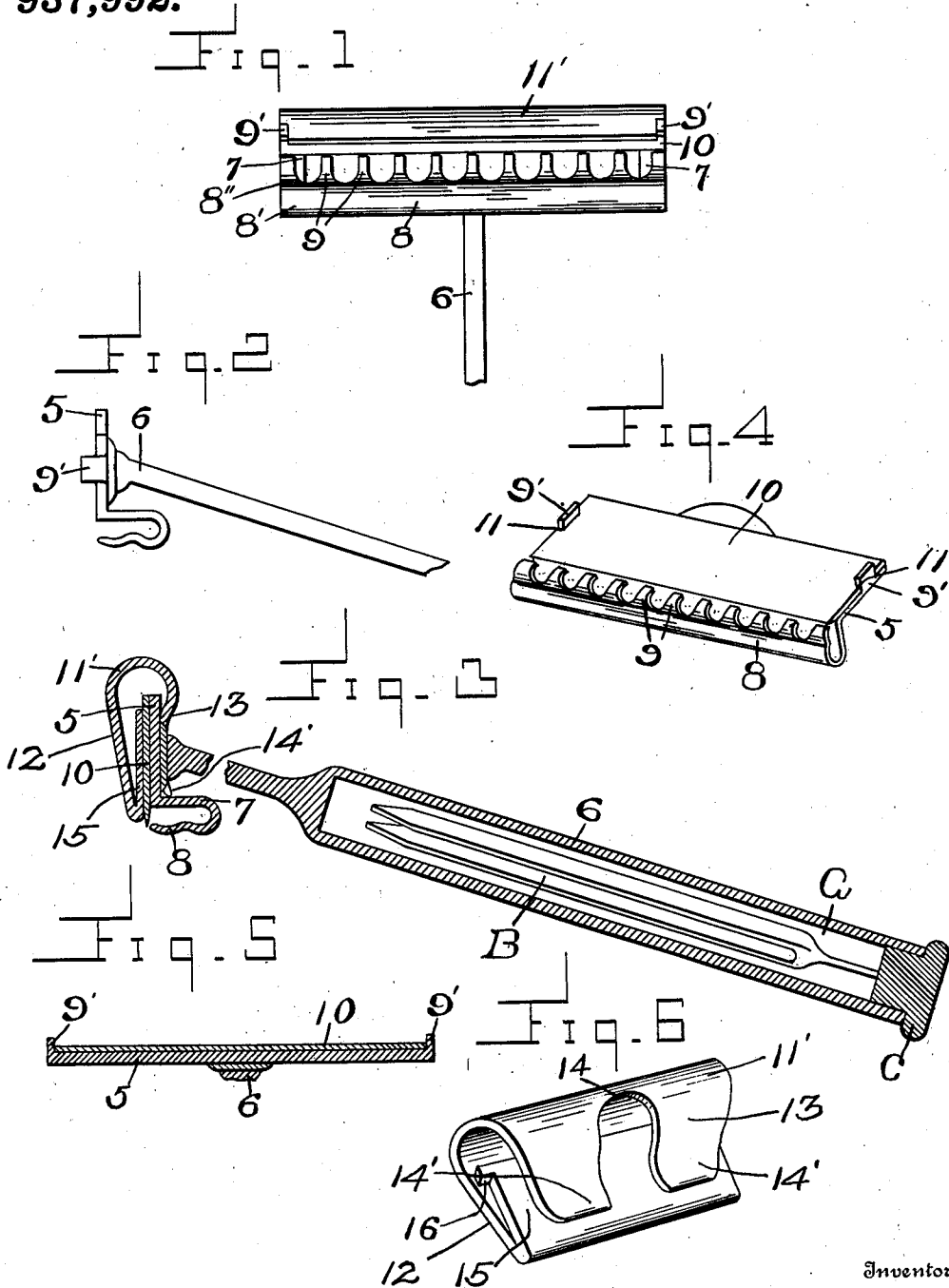


J. R. GILDA,
SAFETY RAZOR.
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937,992.

Patented Oct. 26, 1909.



Inventor

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Witnesses

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JOHN R. GILDA, OF ST. LOUIS, MISSOURI, ASSIGNOR TO AUGUST F. ZELL, OF ST. LOUIS, MISSOURI.

SAFETY-RAZOR.

937,992.

Specification of Letters Patent.

Patented Oct. 26, 1909.

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To all whom it may concern:

Be it known that I, JOHN R. GILDA, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to razors, and more particularly to safety razors and has for its object to provide a razor of this kind which will be extremely simple, which will be so arranged that it may be constructed at a low figure, and which will include a structure such that the blade of the razor will give a clean cut without interference from the protecting comb.

In the drawings forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a front elevation of the present razor, Fig. 2 is a view showing one end of the blade holder, Fig. 3 is a vertical section taken longitudinally of the handle, Fig. 4 is a perspective view showing the spring clip removed and illustrating the arrangement of the blade. Fig. 5 is a longitudinal section through the blade and holder showing the arrangement of the blade and ears. Fig. 6 is a perspective view of the clip.

Referring now to the drawings, the present razor comprises a supporting plate 5 having a handle 6 secured thereto and extending downwardly from its center. Downwardly extending arms 7 are formed integral with the forward edge portion of the plate 5, the lower extremities of these arms being curved forwardly, and formed integral with these arms there is a comb 8 having upwardly directed fingers 9 terminating flush with the upper face of the plate 5; the comb includes a face portion 8' below the fingers, which is provided with a longitudinal rib 8'', to strengthen the structure as will be understood. At each end of the plate 5 there is an upwardly extending ear 9' which is formed integral with the plate, these ears being in alinement longitudinally of the plate.

A blade 10 is disposed upon the plate 5, and has notches 11 in its ends which receive the ears 9', these ears thus holding the blade against both longitudinal and lateral movement. As shown, the fingers 9 lie in close relation to the cutting edge of the blade so

that the cutting of the face of the user is prevented.

A spring clip 11' is provided to hold the blade upon the plate, this spring clip being formed of a single piece of spring metal, as shown, and including an upper lip 12 and a lower lip 13. The lower lip has a central cut away portion 14 and resultant space portion 14' which extend at opposite sides of the handle 6. The lower lip 13 has upwardly curved portions which engage the under face of the plate 5 as shown.

The upper lip 12 has a supplemental lip 15 connected therewith at its forward edge, this supplemental lip extending inwardly and engaging the upper face of the blade 10 at a point between the ears 9' and, as shown, the supplemental lip extends rearwardly beyond the ears and has outwardly extending tabs 16 at its inner portion, these tabs engaging the rearward edges of the ears 9' to limit the forward movement of the clip 11'.

It will be observed that by reason of the fact that the supplemental lip 15 is flat, it provides a broad blade-engaging surface, and that, by reason of the fact that the lip 12 is attached to the forward edge of the lip 15, the greatest pressure of the clip is applied to the blade at the point at which the latter receives the greatest stress during use of the razor, the arrangement thus preventing the lifting of the blade above the comb 8, with consequent danger of injury to the user.

It will be noted that the engagement of the ears 9' in the notches 11 prevents transverse movement of the blade, and thus eliminates the chance of rearward displacement of the blade by its engagement with very heavy beards. The engagement of the tab 16 with the ears 9', prevents the engagement of the bight of the clip with the rearward edge of the blade, and thus renders possible the use of two edged blades.

It will be observed that the razor described in the foregoing is such that it may be readily taken apart for cleaning and may be manufactured at a very low figure.

The handle 6 is provided with a chamber A opening through its rear end for the reception of a pair of tweezers B, the chamber being provided with a cap C.

What is claimed is:—

1. In a safety razor, the combination with

a blade supporting plate having stop members at its opposite ends, of a blade disposed upon the plate and having notches in its ends in which the stop members are engaged, and a clip engaged with the plate and blade, said clip having outwardly extending portions engaged against the stop members to limit the movement of the clip forwardly.

2. In a safety razor, the combination with a blade supporting plate having stop members at its opposite ends of a blade disposed upon the plate and having portions engaging the stop members to hold the blade in position and a clip engaged with the plate and with the blade to hold the blade against displacement, said clip having portions engaging against the stop members to limit the movement of the clip forwardly.

3. A razor comprising a plate, a blade disposed upon the plate, and a spring clip engaged with the blade and with the plate, said clip including spaced lips and a supplemental lip carried by one of the first named lips at its movable edge and extending between the lips, said supplemental lip engaging the blade.

4. In a safety razor, the combination with a plate, of a protecting comb carried by the forward edge of the plate, a blade located upon the plate and having its cutting edge disposed adjacent to the protecting comb, and a spring clip including spaced lips and a supplemental lip connected with the movable edge of one of the first named lips, said spring clip being disposed with the supplemental lip against the blade and with the attached edge of said supplemental lip adjacent to the cutting edge of the blade, said

clip having its other lip engaged against the plate.

5. A safety razor comprising a plate, ears carried by the ends of the plate, a blade having notches in its ends in which the ears are removably engaged, a protecting comb, and a spring clip having a lip engaged against the opposite side of the plate from the blade and having a second lip extending over the blade to a point adjacent to the cutting edge of the blade, said clip also having a supplemental lip attached to the forward edge of the second named lip and extending rearwardly between the lips and in engagement with the blade, said supplemental lip having outwardly extending tabs at its rearward portion engaging the rearward faces of the ears.

6. In a safety razor, the combination with a blade-supporting plate having ears at its opposite ends, of a blade disposed upon the plate and having notches in its ends in which the ears are engaged, said plate extending forwardly and rearwardly of the ears, a protecting comb carried by the forward edge of the plate and lying in operative relation to the cutting edge of the blade, and a spring clip engaged with the plate and blade, said clip having outwardly extending tabs engaged against the rearward faces of the ears to limit the forward movement of the clip.

In testimony whereof I affix my signature, in presence of two witnesses.

JOHN R. GILDA.

Witnesses:

J. W. CHAMBERLIN,
ALPHONSO HOWE.