A. BEMMERER.

RAZOR.

APPLICATION FILED JAN. 25, 1911.

1,044,730. Patented Nov. 19, 1912.

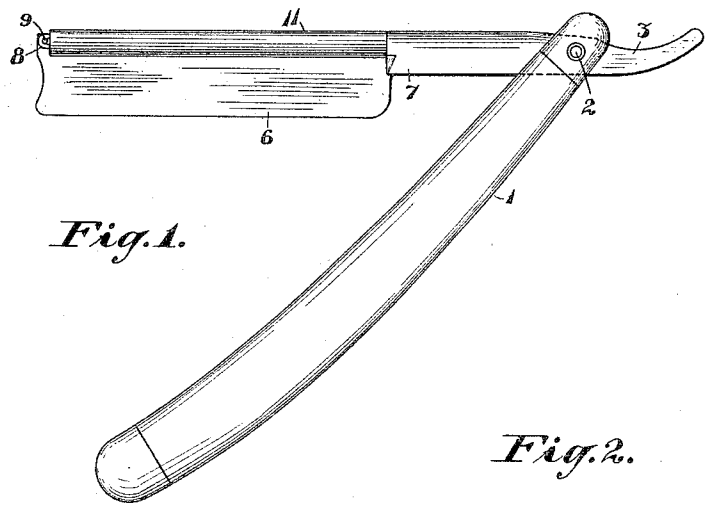

Fig. 1.

Fig. 2.

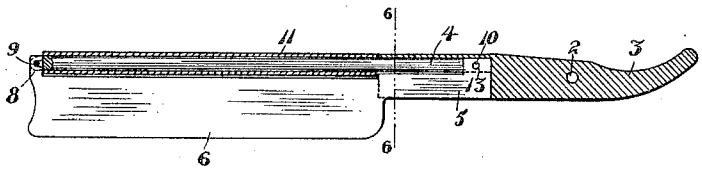

Fig. 3.

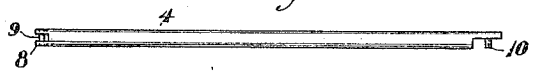

Fig. 4.

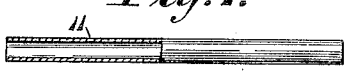

Fig. 5.

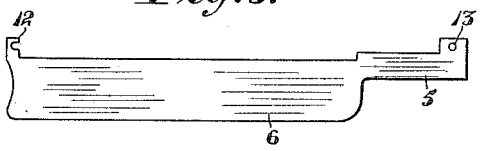

Fig. 6.

WITNESSES

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RAZOR.

1,044,730. Specification of Letters Patent. Patented Nov. 19, 1912.

Application filed January 25, 1911. Serial No. 604,580.

To all whom it may concern:

Be it known that I, AUGUST BEMMERER, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Razors, of which the following is a specification.

The present invention relates to improvements in razors and has for its object to provide a simple and convenient construction whereby razor blades may be interchangeably and quickly secured to the same tang, and whereby also the back of the blade may be provided with a roller for facilitating the stropping of the blade.

In the accompanying drawing, Figure 1 is a side view of the razor complete; Fig. 2 is a side view of the razor blade, the back and roller being shown in section; Fig. 3 is a plan view of the back detached; Fig. 4 is a side view of the roller broken away in part; Fig. 5 is a side view of the blade detached; Fig. 6 is a cross section on the line 6—6 of Fig. 2.

Referring to the drawing, 1 indicates a razor handle of usual construction in which is pivoted at 2 a tang 3. Said tang is hollow, being adapted to receive the end of a stem 4, and the shank 5 of the razor blade 6. Said tang has two sides 7 formed integral with each other at the top and spaced from each other at the bottom and outer ends.

The stem 4 is a straight round steel rod, and is bifurcated at its outer end, as shown at 8, and between said fork members extends a pin 9. One half of the inner terminal portion of the stem is cut away, and from the remaining half extends, parallel with the pin 9, a pin 10. Around said rod is passed a hollow roller 11. The back of the razor blade 6 is cut away or recessed between its ends to receive said rod 4 and roller 11, the outer end of said back being formed with a hook 12 adapted, by a longitudinal movement of the blade, to engage the pin 9, while the inner end of the blade is formed with a transverse aperture 13 into which, by a lateral movement of said blade, the pin 10 can enter. The blade having thus been connected to the stem, the shank 5 of the blade and the end of the stem are pushed into the cavity in the tang 3. The spring pressure of the sides of said tang is sufficient to retain said razor blade in place. I thus provide a construction for securing the parts together, which is simple and inexpensive, and at the same time convenient and rapid in use. On withdrawing the blade from the tang or holder a slight lateral movement of the inner end of the blade detaches it from the stem and a slight longitudinal movement detaches the front end of the blade from the stem. The roller can then easily be slid off the stem.

I claim:—

1. The combination of a razor tang having two sides formed integral with each other at the top and spaced from each other at the bottom and outer ends and adapted to hold the shank of a blade by spring pressure, a blade detachably secured thereto and recessed at its back between its terminal portions, a stem for said blade having its main portion within said recess and having terminal portions provided with means for detachably engaging the terminal portions of the blade, substantially as described.

2. In combination with a cylindrical stem having at its outer end a pin and at its inner end reduced in thickness and having a pin projecting laterally from said reduced portion, a roller around said stem but of less length than the stem, a blade having a shank and having at the outer end a hook to engage the first-named pin of the stem and at the inner end an aperture to receive the second-named pin, and recessed in its back opposite to said roller, and a tang having two sides formed integral with each other and spaced from each other at the bottom and outer ends, and surrounding the inner end of the stem and pressing against the sides of the shank with a spring pressure, substantially as described.

3. In a razor, the combination of a blade, each end of which is formed with a rearward projection from the back in the plane of the blade, a detachable stem extending between said terminal projections and connected at its ends to said projections respectively, the connection at the outer end preventing lateral relative movement of the blade or stem and at the inner end preventing longitudinal relative movement thereof, the portion of the blade between said projections being disconnected from said stem, and a tang fitting closely against the inner or adjacent ends of said blade and stem, and detachable therefrom.

4. In a razor, the combination of a blade, each end of which is formed with a rear-

ward projection in the plane of the blade, a stem extending between said terminal projections and connected at its ends to said projections respectively, the portion of the blade between said projections being disconnected from said stem, a roller around said stem, and a detachable tang fitting closely against the inner or adjacent ends of said blade and stem.

5. In a razor, the combination of a blade, each end of which is formed with a rearward projection in the plane of the blade, a stem extending between said terminal projections and connected at its ends to said projections respectively, the connection at the outer end preventing lateral relative movement of the blade or stem and at the inner end preventing longitudinal relative movement thereof, the portion of the blade between said projections being disconnected from said stem, a roller around said stem, and a detachable tang fitting closely against the inner or adjacent ends of said blade and stem.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

AUGUST BEMMERER.

Witnesses:
CHRISTINE BEMMERER,
HENRY A. BEMMERER.