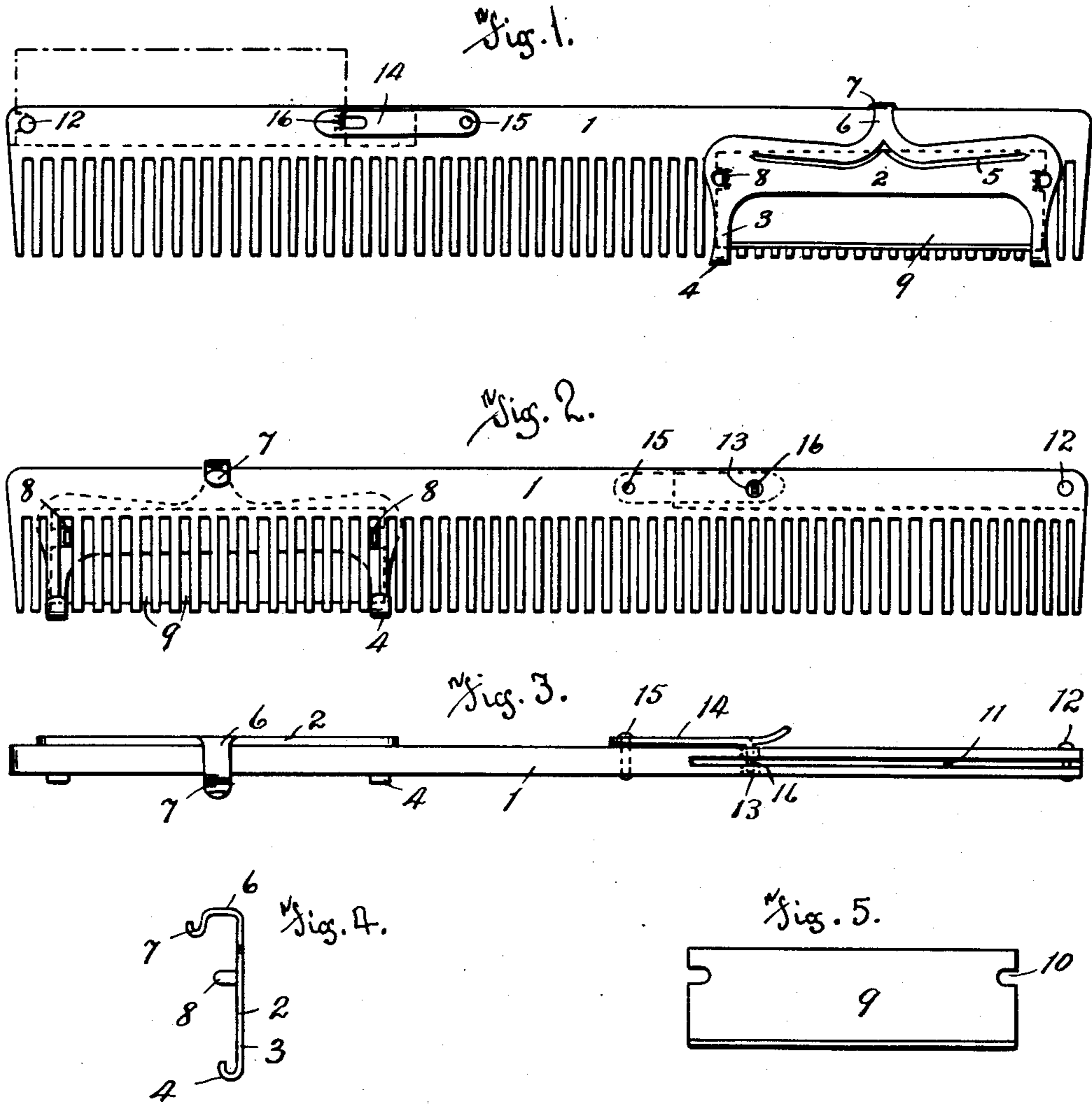


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SAFETY RAZOR.  
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919,307.

Patented Apr. 27, 1909.



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# UNITED STATES PATENT OFFICE.

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## SAFETY-RAZOR.

No. 919,307.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed June 9, 1908. Serial No. 437,479.

*To all whom it may concern:*

Be it known that I, ELLSWORTH D. BECKER, a citizen of the United States, residing at Reading, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to improvements in safety razors and the object of the invention is to construct a device that may be easily and rapidly secured to an ordinary pocket comb in such manner that it will hold a razor blade in close proximity to the comb teeth, said teeth acting as a guard therefor.

A further object is to provide a simple means for stropping or honing the blades.

The invention consists in the parts and improvements hereinafter described and set forth in the appended claims.

Figure 1 is a side elevation of a comb with my device attached thereto; Fig. 2 is a side elevation of the reverse side of the comb, with the device in position; Fig. 3 is a top edge view; Fig. 4 shows the blade holder in end view; and Fig. 5 is a detail view of the blade.

The numeral 1 designates a pocket hair comb of ordinary construction and 2 my improved blade holder. This holder is made of a single piece of sheet metal and is formed with two legs 3, each of which has its extremity bent to form a hook 4. The body of the holder is slotted at 5 so as to permit the proper resiliency for the upper arm 6 which is centrally located and is also formed with a hook 7 at its extremity. Two lugs 8 are pressed from the body, one near each end, and set at right angles to the body. The blade 9 is of thin sheet steel and has a notch 10 in either end, near the edge opposite the longitudinal cutting edge thereof.

To assemble the parts, the blade is placed in the holder with the lugs 8 engaging the depressions 10;—the comb is placed against the inside of the holder with the extremity of its teeth resting on the hooks 4 and the hooked end 7 of the upper arm is snapped over the back or body of the comb. This will securely hold the device in place, as the lugs 8, while engaging the blade, will each enter a space between two of the comb teeth and prevent any longitudinal movement of the blade in the holder as well as any longitudinal movement of the holder on the comb.

It is evident that the device may be se-

cured to the comb at any point along its surface and that it may be secured to either side thereof, thus facilitating its use as a razor with either hand.

In the top edge of the comb I form a slot 11 and at one end of this slot I place a pin 12 passing through the body of the comb. Near the opposite end of the slot, I perforate the body, as indicated at 13 and in close proximity thereto I secure to the body of the comb, a spring plate 14 by means of a pivot pin 15. The free end of this plate is formed with a tooth 16, pressed therefrom and adapted to enter said perforation. The plate is given a "set" so that it will normally keep the tooth 16 in the perforation. When the blade is to be honed or stropped it is placed in the slot with the cutting edge protruding (dotted lines Fig. 1) and the depression 10 at one end will engage the pin 12 while the depression at the opposite end will be engaged by the tooth 16 on the spring plate 14 and it will thus be securely held therein.

It is evident that my blade holder may be secured to any ordinary pocket comb of the proper width as the lugs 8 will always enter one of the spaces between the comb teeth. Its adaptability to either right or left hand shaving is evident as is also the quick assembling of the parts.

Having thus fully described my invention what I claim is:—

1. A safety razor and blade stropping device comprising a comb having a longitudinal slot in its upper edge and a perforation therein, a spring plate formed with a tooth secured to said comb in such manner that its tooth will lie normally in said perforation, a removable blade holder adapted to snap over the edges of said comb and a cutting blade held between said holder and comb.

2. In a razor, the combination of a comb, a clamping piece provided with hooked arms which engage both the edges of the comb and a flat blade inserted between the two, the hooked arms engaging the teeth being bent around the edge of said teeth, the clamping piece and the hooked arms lying close to the comb and teeth, whereby said comb serves as a guard for said razor.

3. In a razor, the combination of a comb, a flat blade, and a clamping piece for uniting the blade with the comb, provided with a hooked extension upon its lower edge, capa-

ble of embracing the toothed edge of the comb with the clamping piece and hooked extension lying close to the comb and teeth, and a hooked arm on its upper edge capable  
5 of embracing the back of the comb.

4. A clamping piece for the purpose of securing a flat blade to the side of a comb, provided with hooked extensions, whereby the said clamping piece may be secured both to  
10 the toothed edge and the back of the comb, and having a slot whereby distortion of the main portion of the clamp due to the strain of clamping is prevented.

5. A razor comprising a clamping piece for  
15 securing a notched flat blade to the comb, comprising means for attaching the clamp to

the comb and a lug passing through the notches in the blade and between the teeth of the comb to prevent lateral movement between the clamp and the comb.

6. A razor comprising a comb, a notched flat blade, and a clamping piece for securing the blade to the comb provided with means for attaching the clamp to the comb, and  
20 means to engage the notched blade.

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

ELLSWORTH D. BECKER.

Witnesses:

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