April 7, 1925.

1,532,131

H. J. GAISMAN

RAZOR BLADE HOLDER

Filed Sept. 22, 1921

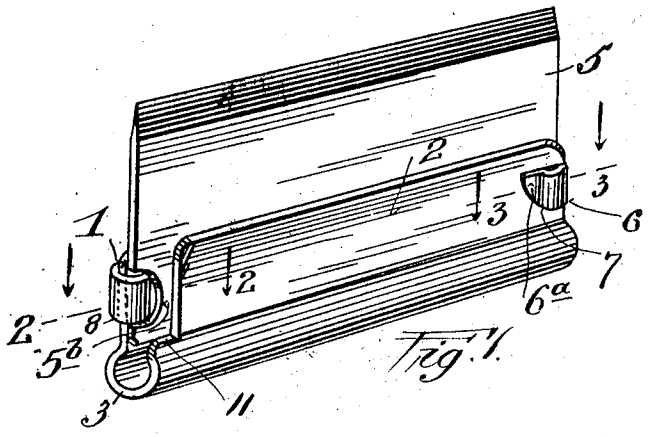


Fig. 1.

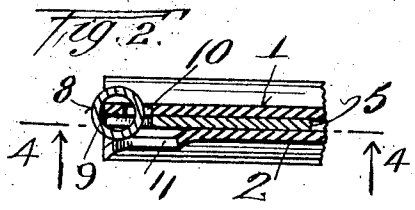


Fig. 2.

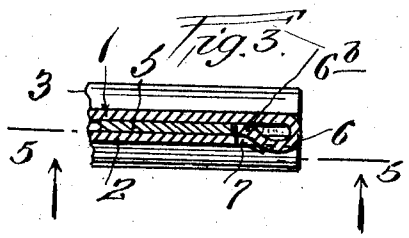


Fig. 3.

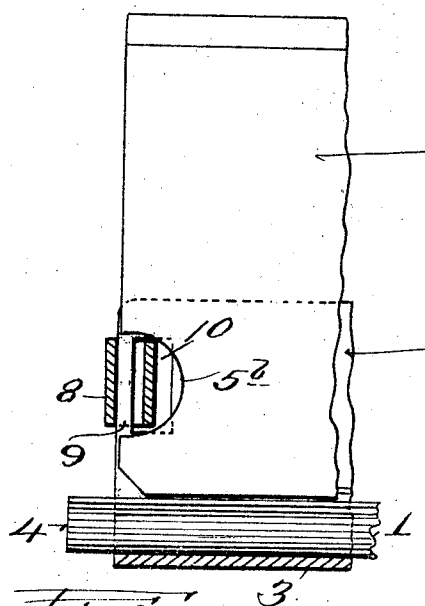


Fig. 4.

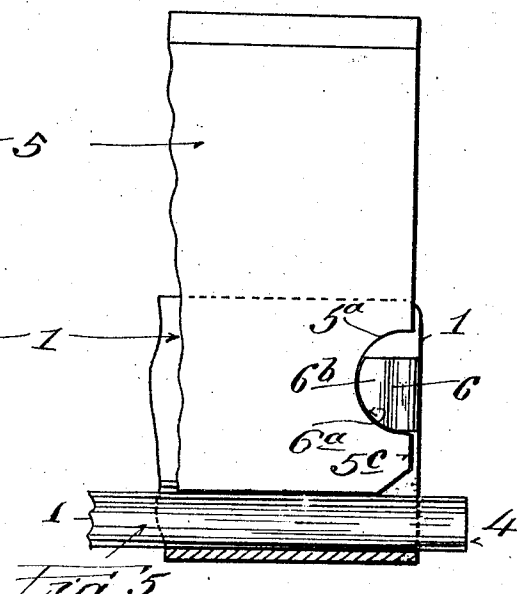


Fig. 5.

INVENTOR

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Patented Apr. 7, 1925. 1,532,131

UNITED STATES PATENT OFFICE.

HENRY J. GAISMAN, OF NEW YORK, N. Y.

RAZOR-BLADE HOLDER.

Application filed September 22, 1921. Serial No. 502,392.

To all whom it may concern:

Be it known that I, HENRY J. GAISMAN, a citizen of the United States, and resident of New York city, borough of Manhattan, in the county of New York and State of New York, have invented certain new and useful Improvements in Razor-Blade Holders, of which the following is a specification.

The object of my invention is to provide an improved holder for safety razor blades having blade retaining means to automatically cause the blade to seat itself in the holder when being slid into position therein.

My invention comprises a blade holder provided with a blade retainer having a cam-like portion to engage a blade to cause it to seat itself in the holder and to retain the blade at one end.

Reference is to be had to accompanying drawings forming part hereof, wherein—

Figure 1 is a perspective view illustrating my improved blade holder;

Fig. 2 is a section on line 2, 2, in Fig. 1;

Fig. 3 is a section on line 3, 3, in Fig. 1;

Fig. 4 is an enlarged section on line 4, 4, in Fig. 2; and Fig. 5 is a similar section on line 5, 5, in Fig. 3.

Similar numerals of reference indicate corresponding parts in the several views.

My improved blade holder as illustrated comprises spaced opposing jaws or members 1, 2 shown united at the base by member 3, shown in tubular form adapted to receive a supporting shaft 4. The blade holder may be made from a single piece of sheet metal folded to form the jaws 1, 2 and member 3, the jaws 1 and 2 being adapted to receive the heel or rear portion of the blade 5 in the space between them with sufficient gripping action to securely retain the blade from lateral motion in the holder. The holder is provided with retainers or stops at opposite ends to receive notches or recesses 5^a, 5^b, at the ends of the blade, (Figs. 4 and 5). The retainer or stop 6 is shown provided with a cam-like or curved inner edge 6^a adapted to engage the edge or end portion 5^c of the blade adjacent to its notch 5^a as the blade is slid lengthwise in the holder between members 1 and 2 to cause the edge of the heel of the blade to properly seat respecting shaft 4, and to cause the retainer or stop 6 to properly enter recess 5^a of the blade. The retainer or stop 6 may be formed in a single piece with jaw 1 and be folded around to extend in the direction of said jaw, with its cam-like edge 6^a extended toward shaft 4, the jaw 2 being provided with a recess or notch 7 to receive retainer 6. The retainer 6 is shown somewhat bowed or loop-like at its outer part with its inner part 6^b flat and located in register with the space between jaws 1 and 2 to register with the blade therebetween and receive the notch 5^a of the blade, (Fig. 3). Retainer 6 limits the sliding of the blade in the holder.

The retainer or stop 8, at the end of the holder opposite the retainer 6, is shown in the form of a tube or sleeve journaled upon a bar 9 formed on jaw 1 by means of an opening 10 formed near the end of said jaw. The tubular retainer 8 may rotate on bar 9 and is adapted to enter notch or recess 5^b in the blade to retain the latter in the holder. The end of jaw 2 adjacent to the retainer 8 is spaced away from said retainer, the jaw 2 being shorter than jaw 1, to provide a clearance space at 11 to permit ready entrance of the blade edgewise between the members 1 and 2 to slide past roller member 8 into the space between said members.

The general characteristics of my improved holder, including the members 1, 2, 3 and retainer or stop 8, are substantially similar to the corresponding parts set forth in U. S. Letters Patent No. 1,022,727, granted to me April 9, 1912, and No. 1,088,220 granted to me February 24, 1914, my improved retainer 6 differing in construction and having a new function from the correspondingly located retainer or stop shown in said Letters Patent.

When a blade is to be used in my improved holder the heel portion of the blade is pushed through space 11 between the members 1 and 2, past the roller retainer 8, until the notch 5^a receives the retainer 6, whereupon the notch 5^b will recive the retainer 8, for retaining the blade in the holder. In the event that the end or edge 5^c of the blade should be tilted outwardly as it slides within the holder said end or edge will encounter the cam-like under-edge 6^a of retainer 6 which will cause the end or edge 5^c to move toward shaft 4 to cause the notch or recess 5^a to properly receive the retainer 6. The construction and operation described assures that the blade will be properly assembled in the holder when pushed lengthwise therein with the heel of

the blade on the side opposite the cutting snugged against the shaft 4 and to avoid against danger that the blade should not be properly fitted in the holder before the blade is used for shaving. The retainers or stops 6 and 8 keep the blade from being pulled outwardly from the holder in the direction of the cutting edge of the blade, and the improved holder is particularly useful in the class of stropping razor set forth in my aforesaid Letters Patent. The holder may be secured to shaft 4 by denting one or more portions of member 3 into the shaft, as shown in my said Letters Patent, or by any other desired means.

Having now described my invention, what I claim is:

A blade holder comprising a pair of spaced jaws, one of said jaws having a recess and the other jaw having a stop formed from the material of said jaw and extended along said jaw partly within said recess of the other jaw and partly in line with the space between the jaws, said stop having a cam-like inner edge opposing said space to engage a blade in said space.

Signed at New York city, in the county of New York and State of New York, this twentieth day of September, A. D. 1921.

HENRY J. GAISMAN.