Oct. 13, 1942. V. L. TETZLAFF 2,298,662

RAZOR STERILIZER

Filed May 1, 1941

Fig. 1.

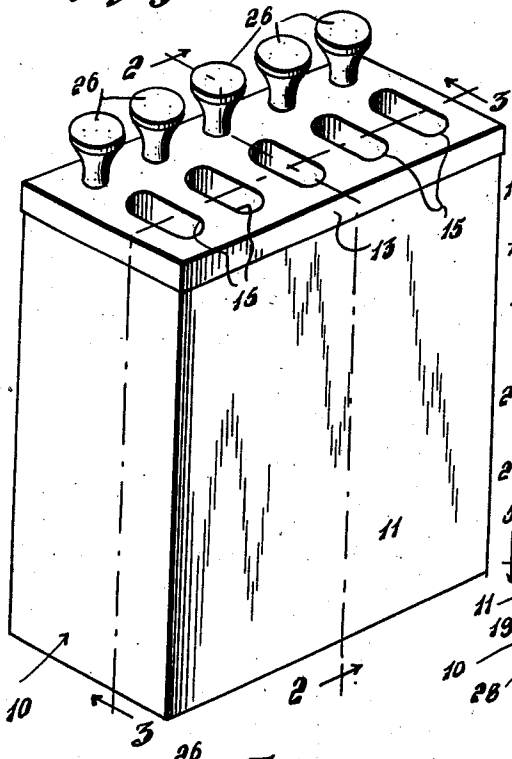


Fig. 3.

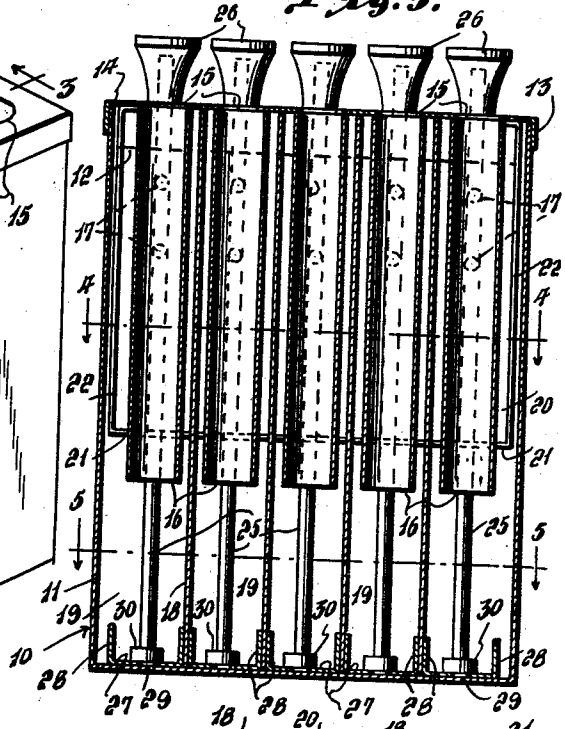


Fig. 2.

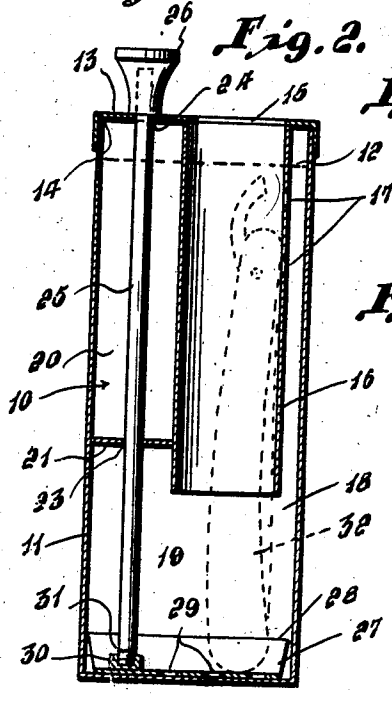


Fig. 4.

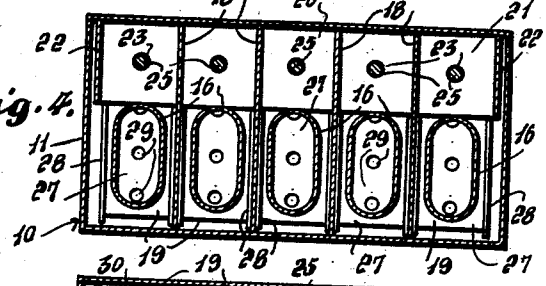
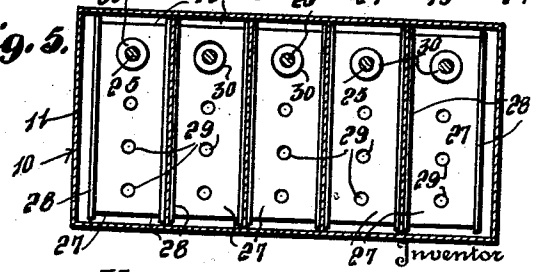


Fig. 5.



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RAZOR STERILIZER

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Application May 1, 1941, Serial No. 391,401

3 Claims. (Cl. 21—87)

This invention relates to a sterilizing cabinet for razors, and more particularly to a cabinet adapted to hold a plurality of straight razors submerged in an antiseptic solution for completely sterilizing the razors while contained in the cabinet.

More particularly, it is an aim of the invention to provide a sterilizing cabinet or container especially adapted for use in barber shops to afford means for effectively sterilizing a razor after each use thereof.

Still another aim of the invention is to provide a sterilizer having means for selectively elevating the razors to permit the razors to be readily removed from the cabinet for use.

Still a further aim of the invention is to provide a cabinet in which the razors are held separated from one another and in which they are contained in a closed position so that there will be no danger of the cutting edge being dulled or nicked when the razor is applied to or removed from the cabinet.

Other objects and advantages of the invention will hereinafter become more fully apparent from the following description of the drawing, which illustrates a preferred embodiment of the invention, and wherein—

Figure 1 is a perspective view of the sterilizing cabinet,

Figure 2 is a transverse vertical sectional view of the same, taken along the plane of the line 2—2 of Figure 1,

Figure 3 is a longitudinal vertical sectional view taken substantially along the plane of the line 3—3 of Figure 1, and

Figures 4 and 5 are horizontal sectional views of the cabinet taken substantially along the planes indicated by the lines 4—4 and 5—5, respectively, of Figure 3.

Referring more particularly to the drawing, wherein like reference characters designate like or corresponding parts throughout the different views, 10 designates the sterilizing cabinet in its entirety and which includes an elongated container 11 which is open at its top and which is adapted to be filled with a liquid antiseptic to approximately the level indicated by the line 12, in Figures 2 and 3.

A flanged cover 13 is adapted to be removably applied to the open upper end 14 of the container 11, and as best seen in Figure 1, the cover 13 is provided with a plurality of oblong openings 15 which are arranged transversely thereof and in longitudinally spaced relationship to one another. A plurality of sleeves 16 are attached to the underside of the cover 13 and extend downwardly into the container 11. The sleeves 16 are disposed around the openings 15 and their cross sectional shape, as seen in Figure 4, corresponds to the shape of the openings 15. The sleeves 16 are provided with a plurality of openings 17 which are disposed below the level of the liquid 12, as best seen in Figure 2.

The cover 13 is also provided with a plurality of depending transversely disposed partitions 18 which are arranged between the sleeves 16 and which extend to the bottom of the container 11 for dividing said container into a plurality of compartments 19 in each of which is disposed a sleeve 16. As seen in Figure 3, the sleeves 16 extend only part way to the bottom of the container 11, and said sleeves, as seen in Figure 2, are disposed adjacent one side wall of the container 11 leaving a space 20 in each of the compartments 19, between the sleeves 16 and the other side wall of the container 11. A guide frame 21 extends transversely through the spaces 20 of the compartments 19 and is attached to the partitions 18. The guide 21 is provided with upturned ends 22, as best seen in Figure 3, which extend upwardly through the end compartments 19 and which are attached to the underside of the cover 13.

The portions of the guide frame 21, which extend through each of the compartments 19, are provided with an opening 23, and the cover 13 is provided with openings 24, each of which is arranged to aline with an opening 23. The alined openings 23 and 24 slidably mount rods 25 which extend perpendicularly into the compartments 19 and which are provided with knobs 26 on their upper ends, which are disposed above the cover 13. A platform 27 is loosely mounted in each of the compartments 19. The platforms 27 normally rest on the bottom of the container 11 and are provided with upturned marginal edges 28 and with a plurality of apertures 29 in the bottoms thereof. Each of the platforms 27 is also provided with an internally threaded upwardly opening socket 30, adjacent one end thereof, to which is connected the lower threaded end 31 of the rod 25 which is disposed within the same compartment 19.

From the foregoing it will be obvious that a closed straight razor 32, as seen in dotted lines in Figure 2, can be inserted through each of the openings 15 so that each of the compartments 19 can contain a razor which will be supported in an upright position due to the fact that its upper portion will be disposed within the sleeve 16, of

the compartment 19 in which the razor is disposed. The lower ends of the razors 32 will rest on and be supported by the platforms 27, and as illustrated in Figure 2 the razors 32 will be entirely submerged in the liquid antiseptic. The razors 32 can be selectively removed from the cabinet 10 by elevating the knobs 26 for moving the rods 25 upwardly to thereby raise the platforms 27 to a point where they engage against the lower ends of the sleeves 16, at which elevation the upper ends of the razors 32 will project from the openings 15 so that they may be readily grasped and removed. The platforms 27 are provided with the openings 29 to permit the antiseptic to flow downwardly therethrough when the platforms are raised to prevent the antiseptic from being pushed outwardly of the openings 15, and the openings 17 are also provided to permit the antiseptic to flow outwardly of the sleeves 16 as the platforms are raised to maintain the level of the antiseptic in the compartments to thereby provide additional means for preventing the antiseptic from overflowing through the openings 15. The platforms 27 are provided with the upturned marginal edges 28 to insure that the lower ends of the razors 32 will rest on the platforms to be elevated when the platforms are raised. As only a small portion of each compartment 19 is exposed by its opening 15, it will be readily apparent that there will be little loss of the antiseptic by evaporation.

Due to the fact that all of the parts are connected to the cover 13, it will be obvious that the cover 13 can be removed for simultaneously removing all of the parts of the sterilizer 10 from the container 11.

Various modifications and changes are contemplated and may obviously be resorted to as only a preferred embodiment of the invention has been disclosed.

I claim as my invention:

1. A sterilizing cabinet for razors comprising a container adapted to contain a liquid antiseptic, a cover for said container provided with a plurality of openings through which razors are adapted to be inserted into the container, sleeves attached to the underside of said cover and extending into said container, said sleeves being disposed around said openings for supporting the razors within the container and in substantially upright positions, partitions depending from the cover into the container and dividing it into a plurality of compartments in each of which one of said sleeves is disposed, rods extending into the container and slidably mounted in the cover, one of said rods extending into each compartment, and platforms connected to the lower ends of said rods and loosely disposed in the compartments for supporting the lower ends of the razors, said platforms normally resting on the container bottom and each being elevated by the upward movement of the rod, to which it is connected, for elevating the razor supported thereby.

2. A holder for straight razors comprising a cover adapted to be applied to the open top of a container which is adapted to contain a liquid antiseptic, said cover being provided with a plurality of openings to permit the insertion into or removal from said container of straight razors, sleeves projecting downwardly from the cover into the container and surrounding said openings for supporting the razors in substantially upright positions in the container, said cover being provided with a plurality of spaced transverse partitions for dividing the container into a plurality of compartments in each of which is disposed one of said sleeves, a perforated platform loosely mounted in each of said compartments and normally resting on the container bottom, said platforms being adapted to support the lower ends of the razors disposed within the compartments, and said container being of sufficient depth so that the razors can be completely submerged in the antiseptic contained in the container, rods attached to said platforms and projecting upwardly through the compartments and through the cover, and guide means disposed in the compartments and connected to the cover and to the partitions, said rods being slidably mounted in said guide means and cover and being movable upwardly for elevating the platforms for lifting the razors partially above the cover.

3. A device as in claim 2, said sleeves being provided with a plurality of openings below the level of the antiseptic and through which the antiseptic is adapted to pass from the sleeves and into the compartments when the platforms are elevated, said platforms being apertured to permit the antiseptic to pass downwardly therethrough when the platforms are elevated.

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