April 14, 1970 B. LEPRINCE 3,506,323

BEAUTICIAN'S ASEPTIZING STAND

Filed May 29, 1968 4 Sheets-Sheet 1

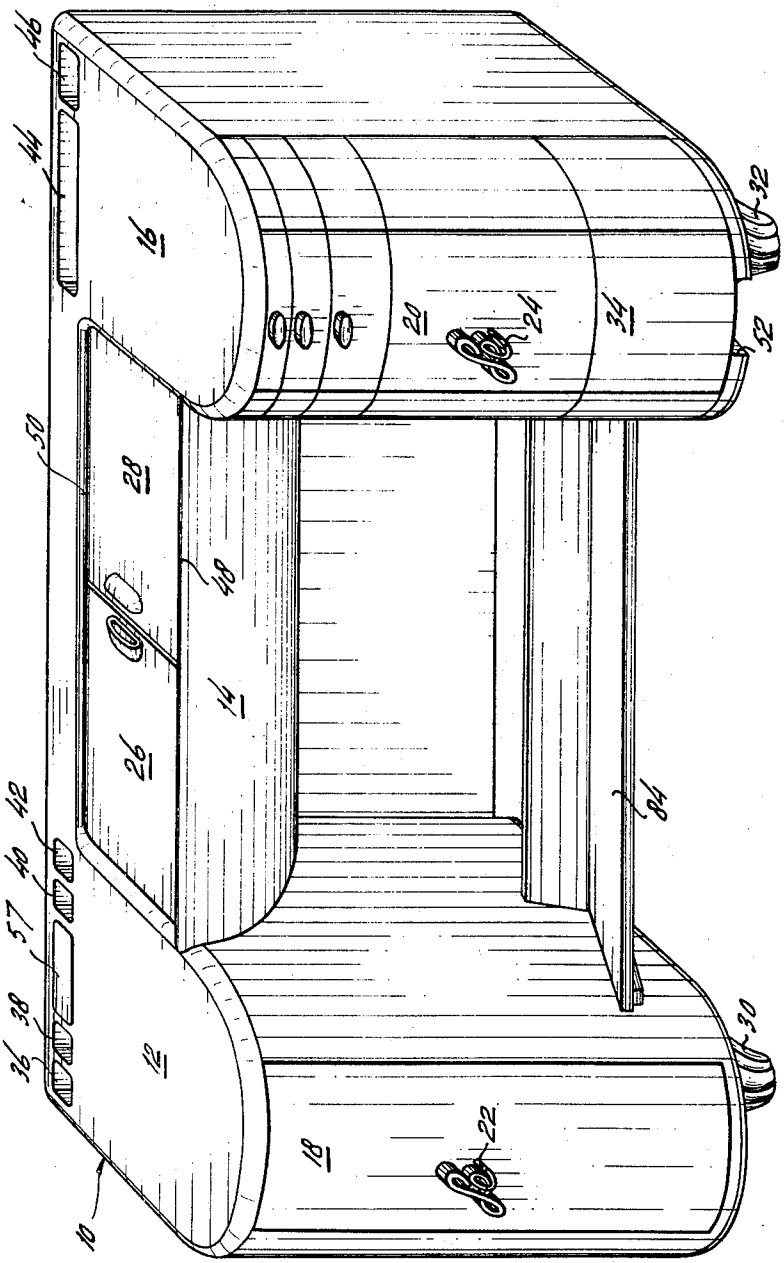


FIG. 1

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April 14, 1970 B. LEPRINCE 3,506,323

BEAUTICIAN'S ASEPTIZING STAND

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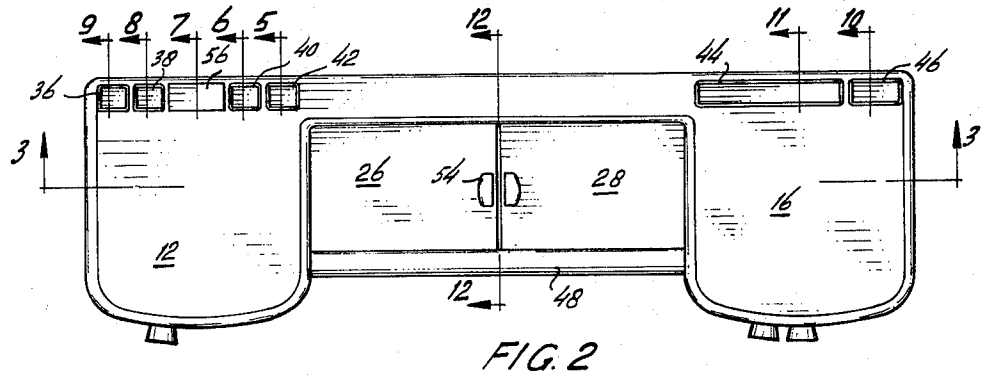


FIG. 2

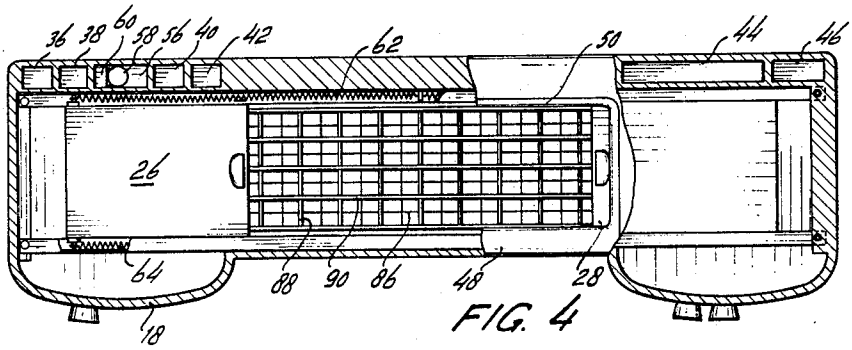


FIG. 4

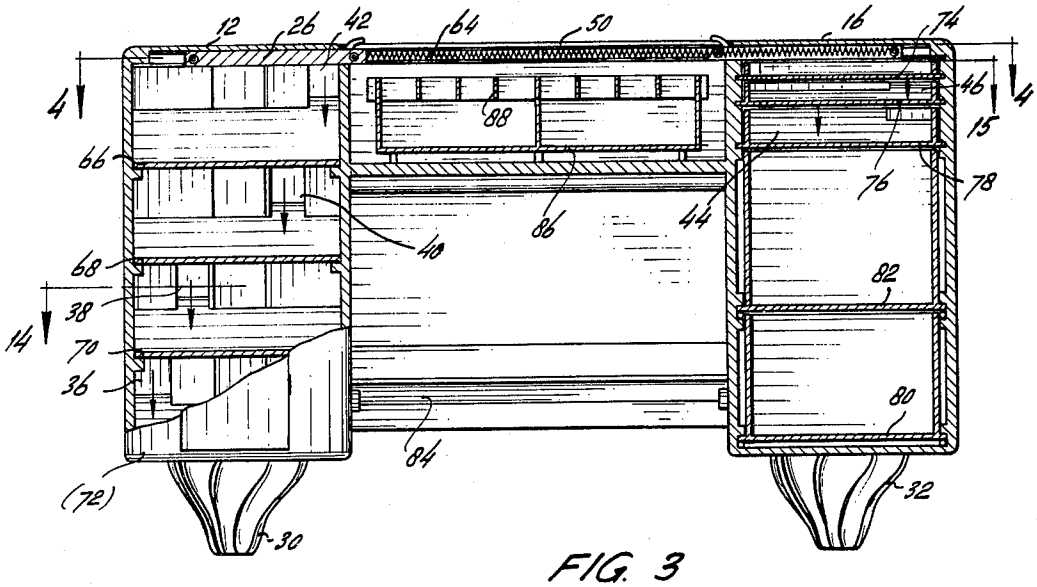


FIG. 3

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BEAUTICIAN'S ASEPTIZING STAND

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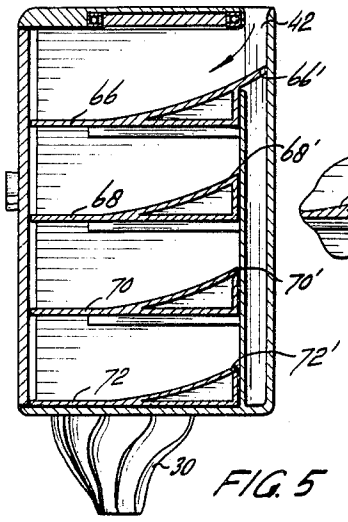


FIG. 5

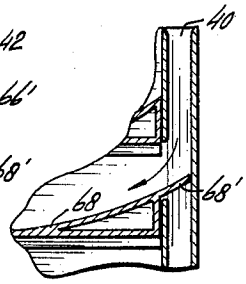


FIG. 6

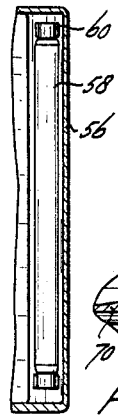


FIG. 7

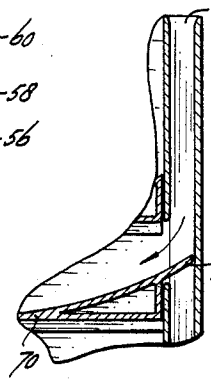


FIG. 8

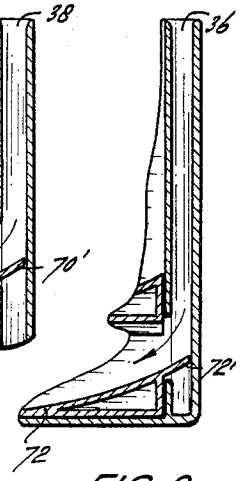


FIG. 9

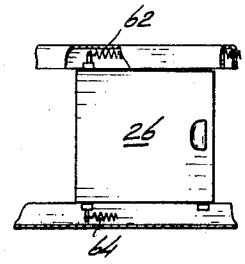


FIG. 17

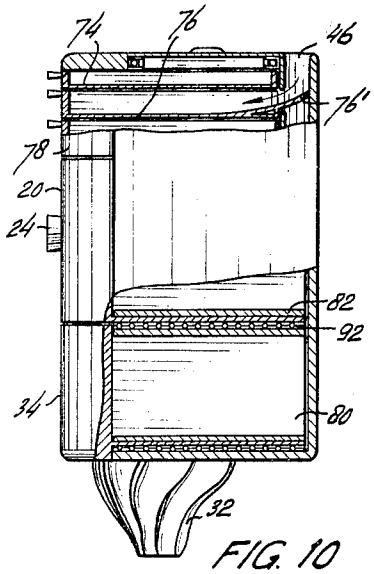


FIG. 10

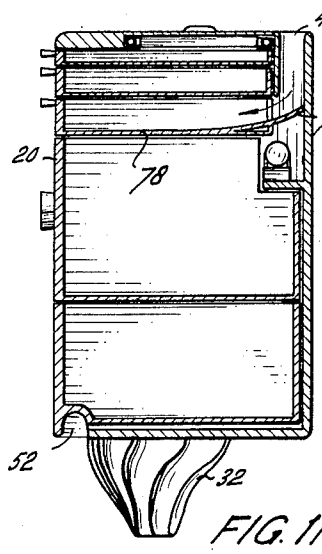


FIG. 11

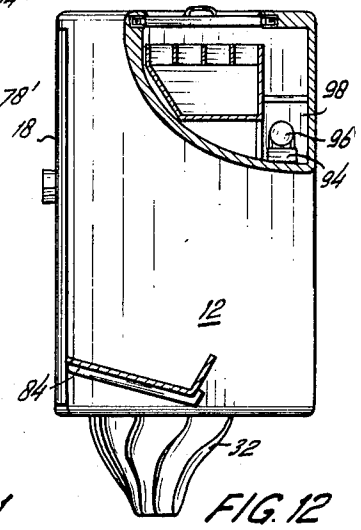


FIG. 12

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BEAUTICIAN'S ASEPTIZING STAND

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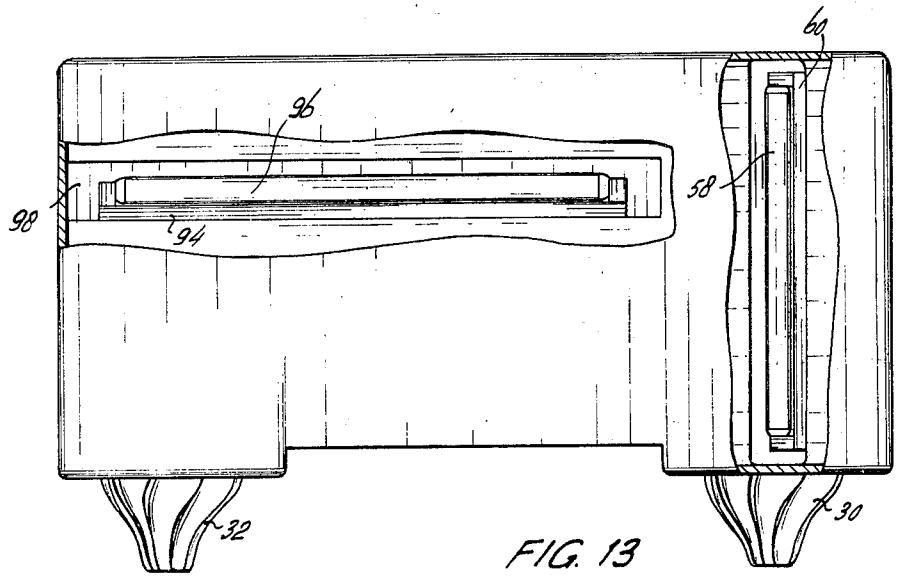


FIG. 13

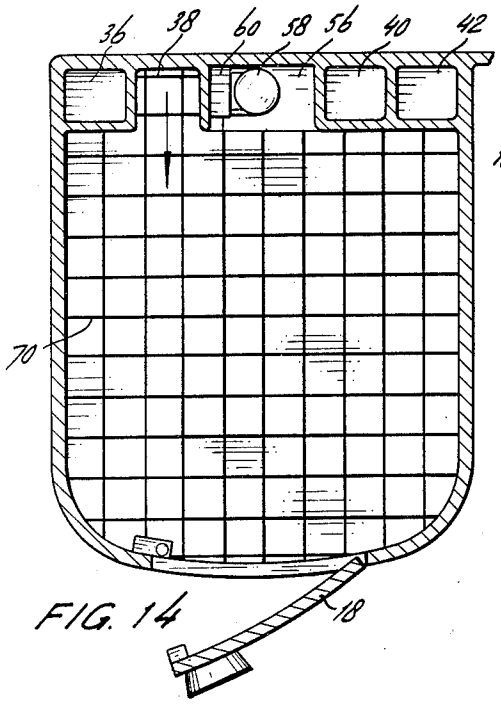


FIG. 14

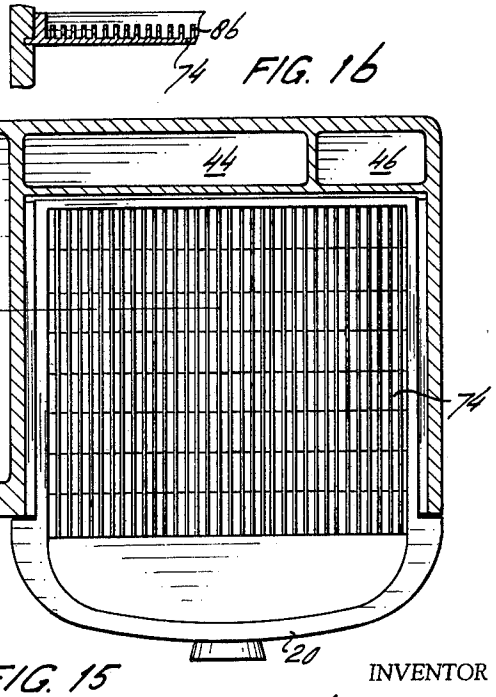


FIG. 16

FIG. 15

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United States Patent Office 3,506,323 Patented Apr. 14, 1970

3,506,323

BEAUTICIAN'S ASEPTIZING STAND

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Filed May 29, 1968, Ser. No. 732,963
Int. Cl. A61l 7/00
U.S. Cl. 312—209 9 Claims

ABSTRACT OF THE DISCLOSURE

A beautician's aseptizing stand of the type used in beauty salons and including a cabinet having a top work area and a plurality of mesh-like shelves supported within the cabinet, the shelves being individually accessible by a plurality of chutes extending from the cabinet top for storage of beautician's supplies, and one or more ultra-violet lamps supported in said cabinet for radiation through said shelves to aseptize combs, curlers, clips, scissors and other beautician's supplies supported thereon.

BACKGROUND OF THE INVENTION

Field of the invention

Contemporary beauty salon furniture consists of a stand having left hand and right hand storage portions and a mid portion defining a top work area, the mid portion being indented so as to receive the customers legs. This furniture has been developed along traditional lines without attention either to the mode of storage of the special beautician's supplies, the aseptizing of these supplies or the convenience of the beautician operator. For the most part, the cabinets include a plurality of conventional shelves or drawers which are required to be conventionally opened and shut to store beautician's supplies therein. There has been little or no attention given to aseptizing of the materials during storage.

Description of the prior art

Earlier inventors have utilized ultra-violet radiant energy lamps for aseptizing several materials stored in conventional cabinets. However, these earlier inventors have not provided a combination of mesh-like shelves, individual chutes extending from the cabinet top to each shelf, and special comb and brush racks together with a source of ultra-violet light, as contemplated in the present invention.

Bergman (2,350,091) and James (2,246,135) are fairly typical of cabinets employing ultra-violet lamps for sterilization purposes. Bergman's vertically supported lamp and guard **17** is used for sanitizing shoes. James' ultra-violet lamp may be variously configured for sterilizing hats.

Jackel (2,424,036) employs a vertical ultra-violet lamp in his brush and comb sterilizer. Rosenthal (2,554,156) includes within his cabinet drawers a moving mechanism to change the position of stored brushes, so that they will be perpendicular to the radiant energy source, assuring most effective sanitizing. Note the Stevenson (2,814,081) hand sanitizer embodying both an ultra-violet lamp and a squirrel cage blower. Tuell (1,277,860) disinfects in his cabinet by using perforated drawers together with a spring wound disinfectant curtain. Partlo (2,504,576) employs grid trays of the type contemplated by applicant. Hindin (3,1566,510) and Lage (3,202,470) are fairly typical of the "portable vanity" devices employing fluorescent light together with mirror and storing compartment elements. Note that Lage has a plurality of compartments for storing hair curlers, bobby pins and the like. Friedman's (2,125,385) is a stocking display bar, utilizing fluorescent lights in combination with a stocking storage compartment.

SUMMARY OF THE INVENTION

Applicant's beautician aseptizing stand is in cabinet form, having left hand, mid and right hand storage portions, including a plurality of horizontally supported mesh-like shelves each shelf having a chute extending from the storage area to the cabinet top. As a result the storage shelf can be fed continuously or intermittently with beautician's supplies to be aseptized, while the beautician operator is working and without the conventional opening and shutting of cabinet doors. One or more ultra-violet lamps are supported interiorally of the cabinet for radiation through the shelves and within the aseptizing chambers defined by the cabinet top and sides. The mid portion includes a special rack for aseptizing brushes, as well as a patron foot rest.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a perspective view of the proposed beautician's aseptizing stand, showing left and right hand storage portions and a mid portion, defining a patron foot rest area;

FIG. 2 is a top plan, showing the storing chutes in the top work area;

FIG. 3 is a partially fragmentary vertical section;

FIG. 4 is a fragmentary transverse section taken along section line **4—4** of FIG. 3;

FIG. 5 is a vertical section taken along section line **5—5** of FIG. 2;

FIG. 6 is a fragmentary section taken along section line **6—6** of FIG. 2;

FIG. 7 is a fragmentary section taken along section line **7—7** of FIG. 2 and showing the vertically positioned ultra-violet lamp **56**;

FIG. 8 is a fragmentary section taken along section line **8—8** of FIG. 2;

FIG. 9 is a fragmentary section taken along section line of **9—9** of FIG. 2;

FIG. 10 is a partially fragmentary vertical section taken through the right hand storage portion and showing chute **44** extending to the second shelf **76** via inclined guide **76'**;

FIG. 11 is a like vertical section showing chute **44** extending to shelf **78**;

FIG. 12 is a fragmentary section taken along section line **12—12** of FIG. 2 and showing the brush aseptizing stand supported in the mid portion;

FIG. 13 is a rear elevation, partially in section, showing the supporting of horizontal and vertical ultra-violet tubes adjacent the cabinet back;

FIG. 14 is a horizontal section taken along section line **14** of FIG. 3 showing the opening of chute **38** into foraminous shelf **70**;

FIG. 15 is a transverse section taken along section line **15** of FIG. 3 and showing the razor, scissor and comb slidable support shelf;

FIG. 16 is a fragmentary section taken along section line **16—16** of FIG. 15 and showing the razor, scissor and comb support shelf vertical guide **86**; and

FIG. 17 is a fragmentary top plan, showing the tension springs **62** and **64** interconnecting the cabinet top and sliding door **26**.

DESCRIPTION OF THE PREFERRED EMBODIMENT

In FIG. 1 a beautician's aseptizing stand generally designated as **10** is shown as comprising left hand storage portion **12**, mid storage portion **14** and right hand storage portion **16**, accessible respectively by hinged doors **18**, sliding doors **26** and **28** and hinged door **20**. Handles **22** and **24** may be secured to the outside of cabinet front hinged doors **18** and **20**. Sliding doors **26** and **28** may be actuated by handles **50** and may be

spring urged to closed position by means of tension springs **62** and **64**.

Legs **30** and **32** may support the entire cabinet assembly. In the right hand storage portion a hamper **34** may be pulled horizontally by means of the operator's foot inserted in indent **52**. The hamper, as illustrated in FIGS. 3 and 10 may be slidably supported upon ball bearing elements **92**.

In the left hand storage portion there are extending from the cabinet top work area individual chutes **36**, **38**, **40** and **42**, leading respectively to foraminous or mesh-like, slidably removable storage shelves **72**, **70**, **68** and **66**. This arrangement is illustrated specifically in FIGS. 3 and 14. Also, ultra-violet lamp **58** affixed to base **60** is vertically supported in chamber **56** so as to radiate throughout the left hand storage portion. It is contemplated that the individual chutes will be used for admitting of used curlers to the aseptizing shelves. A cap **57** may be placed over the ultra-violet chamber **56** and be removed for replacement of bulb **58**.

The mid storage portion **14** includes a front shoulder **48** and a rear bead or edge **50** as well as a horizontally extending foot rest portion **84**. As illustrated in FIG. 3 a support shelf **86** is supported within the mid portion and has superposed bracket or grid members **88** and **90** for support of the brushes vertically with respect to the horizontally extending rear ultra-violet lamp **96** supported in base **94** within chamber **98**.

As illustrated in FIG. 3 the right hand storage portion includes work table top through which chutes **44** and **46** extend, leading respectively to slidably removable foraminous clip support shelves **76** and **78**. The first storage shelf **74** is particularly illustrated in FIG. 15 and includes vertically extending guides **86** for support of scissors, razors and combs.

It is contemplated that fresh linen may be supported on shelf **82** and be conventionally accessible by hinged door **20**.

As will be apparent, beautician's supplies may be fed to the individual shelves by means of the respective chutes. Also, soiled linen may be placed in the hamper without opening of a cabinet door. This eliminates a considerable amount of operator motion and enables constant aseptizing of beautician's supplies when not in actual use. The individual shelves **66**, **68**, **70**, **72**, **74**, **76**, **78** and **82** are horizontally slidable forwardly and removable from the cabinet for cleaning purposes.

Manifestly, the configuration of cabinet and shelves may be varied without departing from the spirit and scope of invention.

I claim:

1. An aseptizing stand comprising:

(A) a cabinet, having a work table top and sides enclosing an aseptizing area and including:

(i) a left-hand storage portion;

(ii) a mid-storage portion further including:

(a) a horizontally extending mesh-like brush stand together with vertical brush supporting brackets superposed with respect to said stand; and

(b) a pair of horizontal doors slidably supported in said cabinet top so as to admit brushes for aseptizing; and

(iii) a right-hand storage portion, said storage portions being defined as aseptizing areas by said sides and top; and

(iv) cabinet front closures for said mesh-like shelves extending through said left, mid, and right-hand storage portions.

2. A beautician's aseptizing stand as in claim **1**, said mid portion including:

(i) a horizontally extending mesh-like brush stand together with vertical brush supporting brackets superposed with respect to said stand; and

(ii) a pair of horizontal doors slidably supported in said cabinet top so as to admit brushes for aseptizing.

3. A beautician's aseptizing stand as in claim **1**, said mid portion cabinet front including a foot rest extending horizontally intermediate said left and right hand storage portions.

4. A beautician's aseptizing stand as in claim **1**, said left and right hand portions each including a plurality of superposed mesh-like shelves extending from the front to the back of the cabinet and accessible respectively by chutes extending from the top of said cabinet, said shelves being slidably removable through the cabinet front closures.

5. A beautician's aseptizing stand as in claim **3**, said left hand portion including an ultra-violet light vertically supported at the cabinet rear so as to radiate through said shelves and the aseptizing chamber defined therein.

6. A beautician's aseptizing stand as in claim **5**, said right hand portion including in addition to said shelves a hamper extendible vertically through the cabinet front.

7. A beautician's aseptizing stand as in claim **6**, said right hand storage portion further including a first shelf having a plurality of transverse serrations for supporting razor and scissor devices for aseptizing.

8. A beautician's aseptizing stand as in claim **7**, including tension spring means extending from within the cabinet top to said sliding doors, so as to urge said doors to closed position.

9. A beautician's aseptizing stand as in claim **8**, including an ultra-violet lamp horizontally supported in the rear of said cabinet so as to extend through said mid portion and into said right hand portion for radiation through aseptizing chambers defined therein by said cabinet top and sides.

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CASMIR A. NUNBERG, Primary Examiner

U.S. Cl. X.R.

312—211, 227, 194; 21—91