Jan. 15, 1935. T. GREGORY 1,987,822

IMPLEMENT KIT

Filed Aug. 31, 1933 3 Sheets-Sheet 1

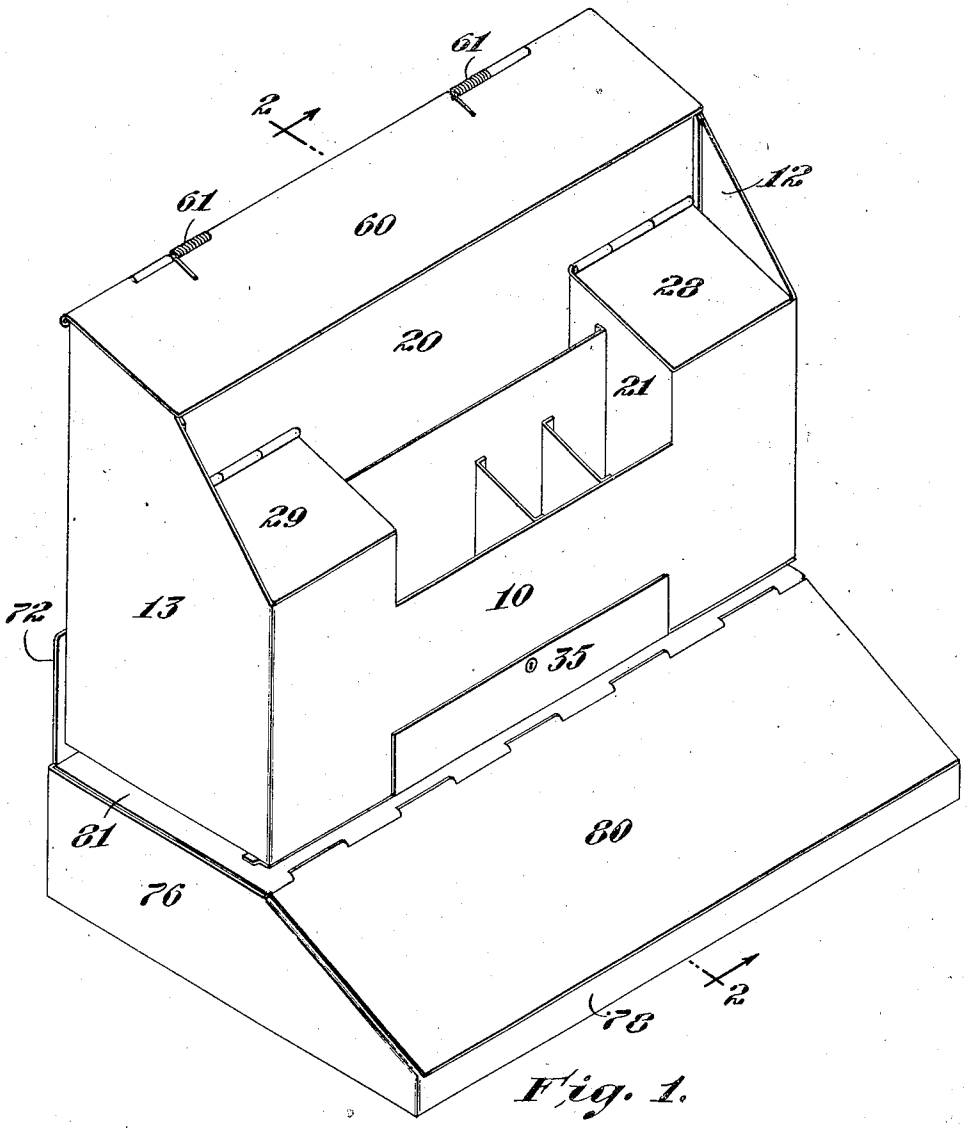


Fig. 1.

Inventor
Theodore Gregory
by Roberts, Cushman & Woodbury
Attys.

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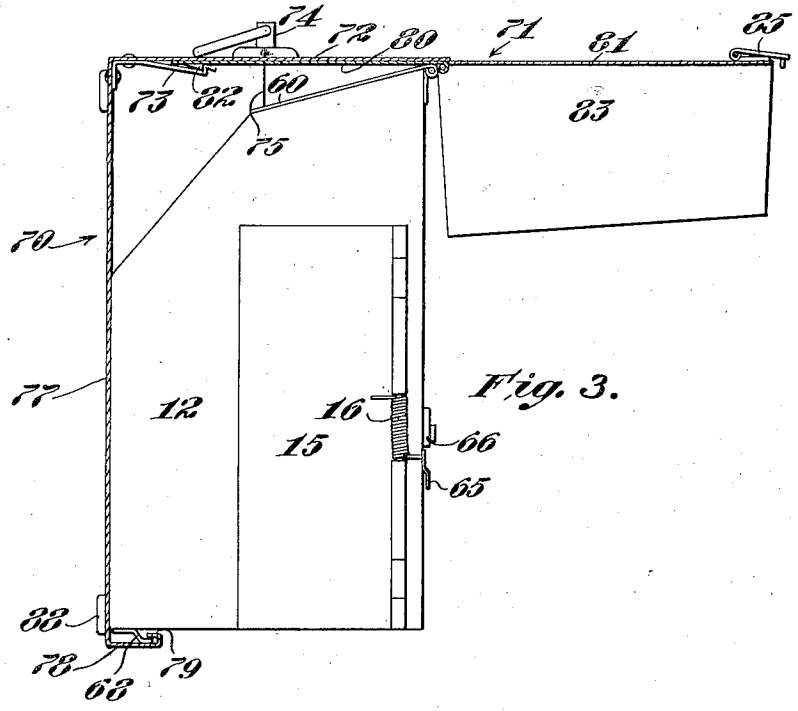


Fig. 3.

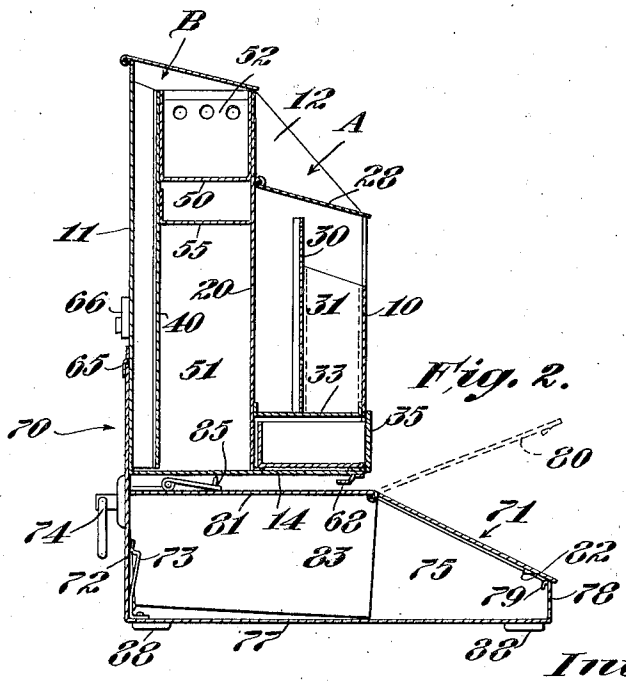


Fig. 2.

Inventor
Theodore Gregory
by Roberts, Cushman & Woodbury.
Atty's.

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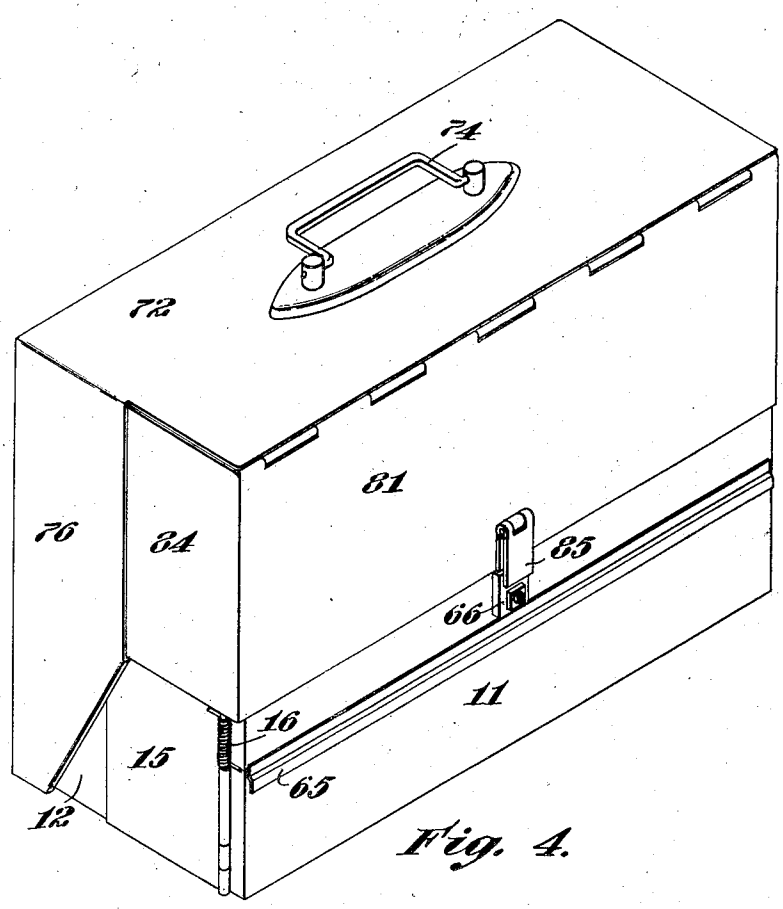


Fig. 4.

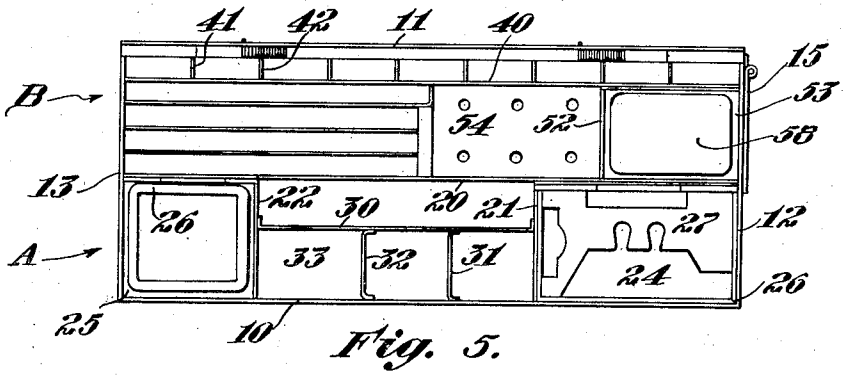


Fig. 5.

Inventor
Theodore Gregory
by Roberts, Cushman & Woodbury
Attys.

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UNITED STATES PATENT OFFICE

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IMPLEMENT KIT

Theodore Gregory, Needham, Mass.

Application August 31, 1933, Serial No. 687,592

5 Claims. (Cl. 312—146)

This invention relates to implement kits and more particularly to a kit for holding barbers' tools, dental and the like implements which, after use, must be sterilized and stored in a sterile atmosphere.

The principal object of the invention is to provide a kit of the aforesaid type which is of simple design, pleasing appearance and convenient to use, which is of light weight and yet strong and rigid construction, and which may be carried without any danger of displacement of or causing injury to the tools or implements therein.

Another object is to provide a holder which may be readily assembled with a kit to provide either a casing in which the kit may be locked up and conveniently carried, or a stand on which the kit may be supported during use.

A more specific object is to provide an implement kit having a plurality of storage compartments for the various implements, such as are used by barbers, for example, shears, razors, combs, clippers, tweezers, etc., and to provide means for quickly and conveniently sterilizing such implements after use and for maintaining a sterile or disinfecting atmosphere in each of the storage compartments.

Further objects relate to various details of construction and will be apparent from a consideration of the following description and accompanying drawings which exemplify one embodiment of the invention chosen for the purpose of illustration.

In the drawings:

Fig. 1 is an isometric view of a barber's tool kit mounted on a combined case and stand constructed in accordance with the present invention;

Fig. 2 is a vertical section through the kit and stand substantially on the line 2—2 of Fig. 1;

Fig. 3 is an end elevation of the kit and the partially assembled casing in section;

Fig. 4 is an isometric view of the kit packed within the casing; and

Fig. 5 is a top plan view of the kit with its covers or closure members removed, showing the construction and arrangement of the compartments.

The barber's kit herein shown for the purpose of illustration comprises a box-like structure preferably of sheet metal construction and shaped to provide a front wall 10, a rear wall 11, side walls 12 and 13, and a bottom 14. As shown in Fig. 1, the upper edge of the front wall 10 is lower than the corresponding edge of the rear wall, and this wall is provided with an opening in its lower edge intermediate its ends for the reception of a drawer and a recessed portion on its upper edge. The side walls 12 and 13 slope downwardly from the rear wall to the front wall, and the side wall 12 is provided with an opening, adjacent to its rear edge, having a closure member or door 15 hinged to one of its vertical edges and provided with a spring 16 which holds it normally closed.

A central partition 20, intermediate the front and rear walls, extends from one side wall to the other and divides the kit into a front section A and a rear section B, as shown in Figs. 2 and 5. The front section A is provided with rearwardly extending partitions 21 and 22 spaced from the side walls 12 and 13, these partitions defining compartments 24 and 25 (Fig. 5) which receive containers 26 for an antiseptic solution in which the implements may be dipped or suspended before and after use. One of the containers may, if desired, be provided with a rack 27 on which such implements as razors, combs and shears may be held suspended in the antiseptic solution. The other container is preferably wide-mouthed so as to permit such implements as clippers to be dipped in the antiseptic solution contained therein. The compartments 24 and 25 are furnished with closure members or covers 28 and 29 which are hinged to partition 20. Intermediate the compartments 24 and 25 the front section A may be further divided by partitions 30, 31, 32, 33, etc. (Fig. 5) into various compartments, including a compartment for a drawer 35 (Fig. 2) for holding a variety of miscellaneous articles commonly used in the trade.

The rear section B is provided with a partition 40 which extends from one side wall to the other, parallel to and spaced from the partition 20, and a plurality of rearwardly extending partitions 41, 42, etc. (Fig. 5) which define vertically extending compartments along the rear wall 11 for holding razors or the like implements in spaced relation to each other. A horizontally extending partition 50 (Fig. 2) preferably having a perforated portion, provides a horizontally extending compartment 51 in the lower part of the section, and a perforated partition 52 provides compartments 53 and 54 in the lower part of the section intermediate the rear wall and partition 20, as shown in Figs. 2 and 5. The upper edges of the partitions 40, 41, 42, etc., terminate below the upper edges of the side and rear walls so as to provide a free and unrestricted communication between the various compartments of the rear sec-

tion. Access to the compartments in the upper part of the section may be had through the top of the kit and the opening in the side wall 12 provides access to the lower compartment 51. This latter compartment may, if desired, be provided with a shelf 55, as shown in Fig. 2.

A receptacle 58 containing a volatile disinfecting reagent, such as formalin, is disposed in the compartment 53, this receptacle preferably having a suitable opening such as a perforated cover (not shown) which permits the fumes emitted therefrom to escape through the perforations in partition 52 and permeate the various compartments of the rear section. The rear section is also provided with a cover or closure member 60 which is hinged to the upper edge of the rear wall 11 and is normally held closed by springs 61 (Fig. 1). The cover 60 and door 15 preferably fit snugly about the respective openings and confine the fumes of disinfectant within the various compartments of the rear section and thus maintain a sterile atmosphere within these compartments.

A kit thus constructed may be carried from place to place without danger of displacing or causing injury to the implements stored therein, and in order to facilitate carrying the kit, I provide a casing which may be either readily assembled to provide a holder in which the kit may be locked and carried about, or assembled to provide a stand on which the kit may be mounted during use. To this end the rear wall 11 is provided with a flange 65 spaced from its bottom edge, as shown in Figs. 2 and 3, a locking member 66 centrally disposed above the flange 65, and a flange 68 disposed on the bottom 14 adjacent to its front edge.

The holder comprises a pair of sheet metal members 70 and 71 (Figs. 2 and 3), the member 70 having a top wall 72 provided with a fastening member on its under surface, here shown as a spring clip 73, a handle 74 centrally disposed on its outer face, side walls 75, 76 and 77, the walls 75 and 76 having obliquely cut end portions, and a rear wall portion 78 provided with a retaining member or flange 79. The member 71 comprises a pair of hinged sections 80 and 81, the section 80 having a fastening member 82 complementary to the fastening member 73 on the top wall of member 70. The section 81 is provided with side walls 83 and 84 depending from its lateral edges, and a locking member or hasp 85 pivotally secured to its free edge and engageable with the locking member 66 on the rear wall 11 of the kit.

In order to assemble the members 70 and 71 so as to provide a casing or holder in which the kit may be locked and carried about, the member 70 is disposed about the kit so that its side walls 75, 76 and 77 envelop the side walls 12 and 13 and the rear wall 11, respectively, of the kit, and the flange 79 on its rear wall portion 78 engages the flange 68 on the bottom of the kit, as shown in Figs. 3 and 4. The member 71 is assembled about the kit so that section 80 underlies the wall 72 and the spring clip 73 engages the member 82, as shown in Fig. 3. The section 81 may then be swung downwardly so that its side walls 83 and 84 are brought into juxtaposition to the side walls 75 and 76, respectively, of the member 70, as shown in Fig. 4. The hasp 85 may then be pressed into locking engagement with the locking member 66 on the rear wall of the kit.

When thus assembled the side walls 83 and 84 are complementary to the side walls 75 and 76, respectively, and provide in effect continuous side wall sections of the casing or holder. The door 15 is thus held closed, and as the walls 77 and 80 engage portions of the covers 28, 29 and 60, they prevent these members from accidentally swinging open if the kit should be tipped on its side.

It will be noted that the construction is such that when the section 81 is held locked by the hasp 85 and locking member 66, the casing cannot be removed, and the kit is thus securely locked therein and may be conveniently carried in upright position without danger of displacement of any of the articles therein.

When the holder is to be used as a stand to support the kit during use, the member 70 is arranged so that the wall 70 provides the base, and for this purpose buttons or studs 88 may be secured along its edges. The member 71 is then arranged so that the side walls 83 and 84 of section 81 are face to face against the inner surfaces of the side walls 75 and 76 of the member 70, and the edge of the top wall of section 81 abuts the inner surface of the wall 72 and is held in spaced relation to the bottom wall 77 by its side walls 83 and 84, as shown in Figs. 1 and 2. The section 80 is supported by the cut-off corner portions of the walls 75 and 76. The members 70 and 71 when thus assembled define a compartment useful for holding various implements and accessories used in the trade and the hinged member 80 provides a door or cover for this compartment. The upwardly projecting wall 72 provides a support or rail on which the kit may be mounted, the flange 65 on the rear wall of the kit engaging the upper edge of the wall 72 and being operative to hold the kit in fixed position, as shown in Fig. 1.

When thus mounted the kit and stand provide an attractive and compact ensemble which may be conveniently used, and the stand may be easily and quickly dismembered and reassembled to provide a compact casing or holder in which the kit may be locked and carried about. As previously noted, both the stand and kit are preferably of sheet metal construction, and their exposed surfaces may be provided with any desired finish so as to enhance its appearance.

While I have shown and described one desirable embodiment of the invention, it should be understood that the present disclosure is for the purpose of illustration only, and various changes in shape, proportion, and arrangement of parts, as well as the substitution of equivalent elements for those herein shown and described, may be made without departing from the spirit and scope of the invention as set forth in the appended claims.

I claim:

1. A device of the class described comprising a kit having a rear wall provided with a locking member and a closure member providing access to the interior of the kit, and a removable holder for the kit comprising a pair of complementary detachable members having interlocking top walls and cooperating parts defining side walls, one of said members having parts defining a rear wall provided with fastening means for engaging said locking member, and the other member having parts defining a front wall provided with retaining means engageable with the bottom of the kit, said members being constructed and arranged so as to be assembled about the kit so that their walls fit about the top and side walls

of the kit and hold said closure member in closed position.

2. A device of the class described comprising a kit having a rear wall provided with a locking member and a bottom wall having an abutment, and a removable holder for the kit comprising a pair of complementary members, one of said members having a top wall provided with a fastening member, side walls and a front wall provided with a retaining member adjacent to its bottom edge and engageable with said abutment when in assembled relation with said kit, the other of said members having a top wall provided with a fastening member engageable with the fastening member on the top wall of the first member, and a rear wall hinged to the top wall and provided with a locking member engageable with the locking member on the rear wall of said kit, when in assembled relation with said kit, said members being constructed and arranged so that they may be assembled about said kit with their walls fitting about the top and side walls of said kit, thereby to provide a casing in which said kit may be carried.

3. A device of the class described comprising a kit having a rear wall provided with a locking member and a bottom wall having an abutment, and a removable holder for the kit comprising a pair of complementary members constructed and arranged so that they may be either assembled about the kit to provide a casing or so assembled to provide a stand on which the kit may be supported, one of said members having a top wall provided with a fastening member, side walls and a front wall provided with a retaining member engageable with said abutment when the holder is assembled so as to provide a casing, and when assembled so as to provide a stand, said front wall constituting the base of the stand, the top wall providing the rear of the stand and the side walls providing the opposite sides of the stand and defining a compartment therein, the other of said members having a top wall provided with a fastening member engageable with the fastening member on the top wall of the first member, and a rear wall hinged to the top wall and provided with a locking member engageable with the locking member on the rear wall of the kit when assembled, so as to provide a casing, and when assembled so as to provide a stand, the rear wall of the latter member constituting the top of the stand and the top wall constituting a closure providing access to the interior of said compartment.

4. The combination of a kit having a rear wall provided with a transverely extending retaining flange, and a stand comprising a pair of sheet metal members, one of said members having a rear wall, the upper edge of which engages said retaining flange to hold the kit in fixed position, a bottom wall and side walls defining a compartment within the stand, the other of said members having a top wall providing the top of the stand, side walls for supporting said top wall in spaced relation to the bottom wall of the first member, and a plate hinged to said top wall intermediate its side walls, said plate providing a closure for said compartment.

5. A device of the class described comprising a kit having a bottom wall provided with an abutment and a rear wall provided with locking means and a retaining flange disposed below said locking means, and a removable holder for said kit comprising a pair of complementary members constructed and arranged so that they may be either assembled about the kit to provide a casing or assembled so as to provide a stand on which the kit may be supported, one of said members having a top wall provided with a fastening member, side walls and a front wall provided with a retaining member engageable with the abutment on the bottom wall of said kit when the holder is assembled to provide a casing, and when assembled so as to provide a stand, said front wall constituting the base of the stand, the top wall providing the rear of the stand and having its upper edge engageable with the retaining flange on the kit to hold the same in fixed position and the side walls providing the opposite sides of the stand and defining a compartment therein, the other of said members having a top wall provided with a fastening member engageable with the fastening member on the top wall of the first member, side walls complementary to those on the first member, and a rear wall hinged to the top wall and provided with the locking member engageable with the locking means on the rear wall of the kit when the holder is assembled as a casing, and when assembled so as to provide a stand, the rear wall of the latter member constituting the top of the stand, its side walls providing supports to hold the top wall in spaced relation to the bottom of the stand, and its top wall constituting a closure providing access to the interior of the compartment.

THEODORE GREGORY.