(No Model.)

G. P. REED.

ALCOHOL VESSEL FOR WATCH MAKERS' USE.

No. 257,895. Patented May 16, 1882.

Fig. 1.

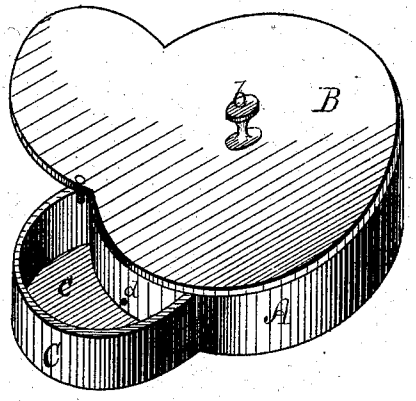


Fig. 2.

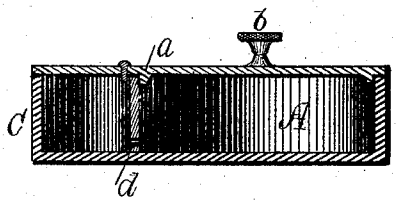


Fig. 4.

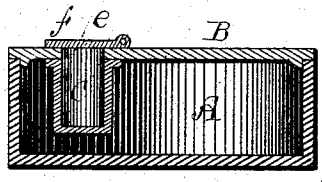
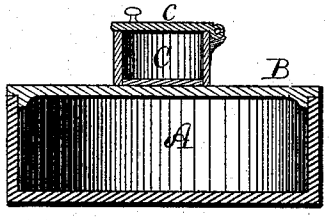


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE P. REED, OF MELROSE, MASSACHUSETTS.

ALCOHOL-VESSEL FOR WATCH-MAKERS' USE.

SPECIFICATION forming part of Letters Patent No. 257,895, dated May 16, 1882.

Application filed January 25, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE POTTER REED, a citizen of the United States, residing at Melrose, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Alcohol-Vessels for Watch-Makers' Use; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

In the operations of cleaning or repairing watches, and in many of the various operations of watch working and repairing establishments, it is customary to have a cup of alcohol or other volatile fluid at hand, into which a watch movement or plate may be readily immersed, or a brush or other small implement dipped to take up a small quantity of such alcohol. Heretofore a simple cup, sufficiently large to contain a watch plate or a movement entire has been employed, and as this single cup is used indiscriminately for all purposes requiring alcohol, it must of necessity remain uncovered the greater part of the time during working-hours. Hence a rapid evaporation and loss of alcohol ensue. Naturally recourse is had to the cup for the purpose of dipping a brush or other small implement or a detached part of the work much more frequently than to immerse a plate or an entire movement; and the object of my present invention is to provide a cup which, while affording opportunity for the infrequent immersion of a plate or movement or comparatively large object, shall yet permit of the frequent dippings of a brush or other small object without uncovering or exposing the main supply of alcohol to the atmosphere.

This invention relates to alcohol-vessels for watch-makers' use; and it consists of a larger compartment, in combination with a smaller communicating compartment and a cover common to both, said cover being arranged to uncover the smaller compartment without uncovering the other, substantially as hereinafter set forth.

The drawings accompanying this specification represent, in Figure 1, an isometric view, and in Fig. 2 a cross-section, of an apparatus embodying my invention, while Figs. 3 and 4 are cross-sections of modified forms of said apparatus.

Reference being had to the above-named drawings, it will be seen that A represents a box open at the top, and circular, polygonal, or of other form in horizontal section, this box being of a size to contain a watch movement or plate or the largest object which it is desired to immerse in the contents of such box. The box A is to be provided with a cover, B, which may be simply a disk of metal, held in place upon the box by an annular flange, *a*, formed upon it, or being hinged in any suitable manner to the box, and the cover may or may not be provided with a knob, *b*, for opening it.

C in the said drawings represents a second box of smaller capacity than the first, this supplemental box being secured or hinged to one side of the first in any suitable manner, and having a cover, *c*, which may form part of or be hinged to the cover B of the primary box or be independent of such cover B. The supplemental box C is of comparatively small capacity, and therefore exposes but a small surface of alcohol to evaporation.

The two boxes or compartments A C may intercommunicate by means of a passage or trough, *d*, or its equivalent between them, in order to permit of flow of alcohol from the former to the latter, or the two compartments may have no communication and may be filled independently of one another. The construction I prefer is shown in Figs. 1 and 2 of the drawings—that is, with the two covers B *c* in one piece, with the compartment A and its cover B circular in longitudinal section, and the said cover provided with the annular ledge *a*, the supplementary compartment C being disposed to one side of the main A, and being secured rigidly to and communicating with the latter by the passage *d*.

In the use of a box of this character, when it is desired to immerse a watch plate or movement, the combined cover B *c* is removed, which exposes and opens both the compartments A and C and permits of immersion of said plate or movement or other comparatively large ob-

ject in the main body of alcohol. When the cover B *c* is replaced the compartment A is closed and rapid evaporation of its contents arrested, and if it is desired to open or close the lesser compartment, C, it is only necessary to turn its cover *c* to one side in one or the other direction, this being done by turning the main cover B partially about on its own axis, the ledge *a* and the mouth of the compartment A constituting the bearing-surface to guide such movement.

I do not restrict myself to the precise relative positions of the two compartments or boxes A C, or the manner of attaching the two covers B *c*, as these may be varied considerably without losing sight of the salient feature of my invention, which I consider to consist in an alcohol-box for watch-makers' use consisting of a main compartment for containing the bulk of the supply of alcohol and a lesser compartment to receive a small body of alcohol and present small evaporating-surface, the two compartments having a single cover common to the two, or independent covers, used singly or hinged or connected together. For instance, in lieu of my arrangement of the two compartments and covers hereinbefore described, the compartment or box C may, as shown in Fig. 3 of the accompanying drawings, be disposed upon the top of the cover B of the main compartment A and the former provided with its own cover, *c*; or, again, as shown in Fig. 4 of the drawings, the supplementary compartment C may be secured to the under side of the cover B of the main compartment and suspended therefrom within the latter, an opening, *e*, being formed in the cover B to coincide with the mouth of C, and provided with a cover, *f*, pivoted or hinged to B.

I claim—

In an alcohol-vessel for watch-makers' use, a larger compartment, in combination with a smaller communicating compartment and a cover common to both, said cover being arranged to uncover the smaller compartment without uncovering the other, substantially as set forth.

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

GEORGE POTTER REED.

Witnesses:
H. E. LODGE,
WM. T. ANDREWS.