E. Sander.

Medicine Chest.

No. 89,173. Patented Apr. 20, 1869.

Fig. 1.

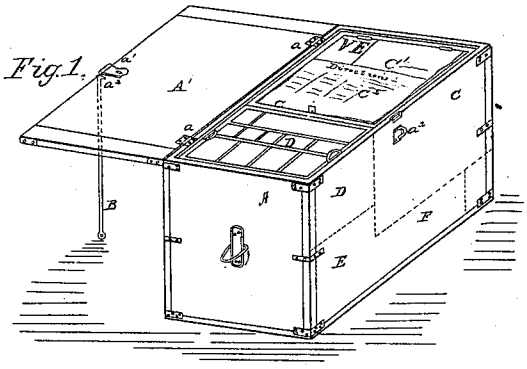


Fig. 2.

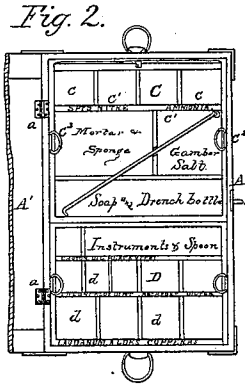


Fig. 4.

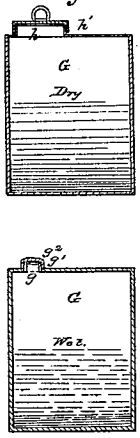


Fig. 3.

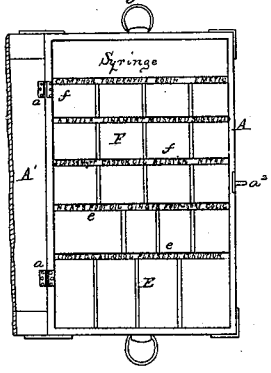


Fig. 5.

Witnesses.
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United States Patent Office.

ENNO SANDER, OF ST. LOUIS, MISSOURI.

Letters Patent No. 89,173, *dated April* 20, 1869.

IMPROVED MEDICINE-CHEST.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ENNO SANDER, of St. Louis, in the county of St. Louis, and State of Missouri, have made certain new and useful Improvements in Medicine-Chest; and I do hereby declare that the following is a full and clear description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of this invention consists in such an arrangement of compartments that each shall suitably enclose and securely contain, during transportation, a proper vessel for holding drugs and chemical mixtures for sanitary purposes, said compartments being suitably labelled, and said vessels being correspondingly labelled, and all said parts being properly enclosed in a box, or chest, the lid whereof is moreover arranged for self-support, thus permitting its use as a table, and said nature is in such other and special detail features as are hereinafter more fully set forth.

To enable those herein skilled to make and use my said improved chest, I will now fully describe the same, referring to the accompanying—

Figure 1 as a perspective elevation, showing the lid, or cover supported as a table, and showing the upper interior range of compartments; to

Figure 2 as a plan with the lid of one sub-chamber raised; to

Figure 3 as a plan, with the upper sub-chambers or chests removed; and to

Figures 4 and 5, respectively, as sectional elevations of cans or vessels for dry and wet chemicals.

I construct my said chest of an exterior box or casing, A, usually of wood and strongly hooped or banded.

By hinges *a*, I secure the lid A′ to said chest.

At the front edge said lid has an ordinary hinge-hasp, a^1, to engage upon a proper staple, a^2, so that the lid may be secured in its closed position by an ordinary padlock.

In order that the lid A′ may be supported in a nearly horizontal position, and thus serve as a table, I arrange in the hasp-plate a small mortise, a^3, into which a prong of the supporting-bar B may be inserted, the other end of said bar resting upon the ground, the lid A′ may then be used for any ordinary purposes as a table.

Within the chest A, I arrange the sub-chest C, having the hinged lid C^1.

As said lid is protected by the lid A′, when closed, I arrange thereon the card C^2, containing printed directions for using the various compounds in my said chest.

Within said sub-chest C, I arrange the compartments *c*, on the partition c^1 whereof, are arranged the labels "spts. nitre," "ammonia," and such others as indicate the contents of the vessels contained in said compartments.

In order that the supporting-bar B may be easily secured and compendiously stored, I cut a proper slot across the upper edge of the partitions in said sub-chest C, and place thereon said bar when not used as a support for the lid A′, as indicated in fig. 2.

The sub-chest C has the lift-bails, or hand-rings c^2, for readily raising the same out of the chest A.

Laterally against said sub-chest C, I arrange the sub-chest D, with compartments *d*.

This sub-chest usually contains cans with copperas, laudanum, and similar chemicals, and is not so deep as sub-chest C.

Under said sub-chests C and D, and supporting said sub-chests, when in position, are the compartments E and F, the partition-pieces *e* and *f*, respectively, thereof, being firmly joined with each other and with the sides of the chest A.

The compartments E will usually contain cans holding "flaxseed, linseed-oil, alcohol," and similar substances, and the compartments F will usually contain "castor-oil," mustard, turpentine, and other substances.

The arrangement of said sub-chest and compartments is in nowise specially claimed, but I do insist that said sub-chests and compartments are to be of such form and size, that the several liquids, and powders, and other substances therein, shall be contained in the quantity which will suffice for ordinary use, and which shall, under ordinary use, consume the said contents in about one period of time.

It is only by supplying the several substances in the quantity proportionate to their use and application, that a chest is formed containing no surplusage, and economical in its demands upon transportation.

Within the several compartments before described, I arrange cans, or vessels, G, usually of tin, zinc, or similar material, to contain the chemicals, or drugs themselves.

For fluid or gaseous drugs, or chemicals, I arrange a vessel, having the nozzle *g* (fig. 5) arranged with a screw-thread to engage the cap-nut g^1.

Within said cap-nut a rubber or cork pad, g^2, is placed, so that when the cap-nut is screwed down tightly, said pad will make an air and fluid-tight joint.

For dry chemicals the lid *h*′ (in fig. 4) is arranged simply to slide on and cover the nozzle *h*.

As has above been intimated, the said cans G will be marked with the name of the chemical therein, corresponding to the label upon the compartment of the chest.

In the compartments specially marked, I arrange

the instruments and things as on the drawing indicated.

Having thus fully described my invention,

What I claim, is—

1. The chest A, arranged with sub-chests, and interior compartments, to contain the cans G, in such proportions and sizes as hereinbefore set forth and described.

2. The chest A, its lid A′, mortised hasp a^1, and supporting-bar B, substantially as set forth.

3. The chest A, lid A′, its sub-chest C, lid C^1, and direction-card C^2, substantially as set forth.

In witness of said invention, I have hereunto set my hand, in the presence of—

ENNO SANDER.

Witnesses:

GEO. P. HERTHEL, Jr.,

WM. W. HERTHEL.