

M. GRUBE.

Apparatus for Flavoring Spirits.

No. 160,093.

Patented Feb. 23, 1875

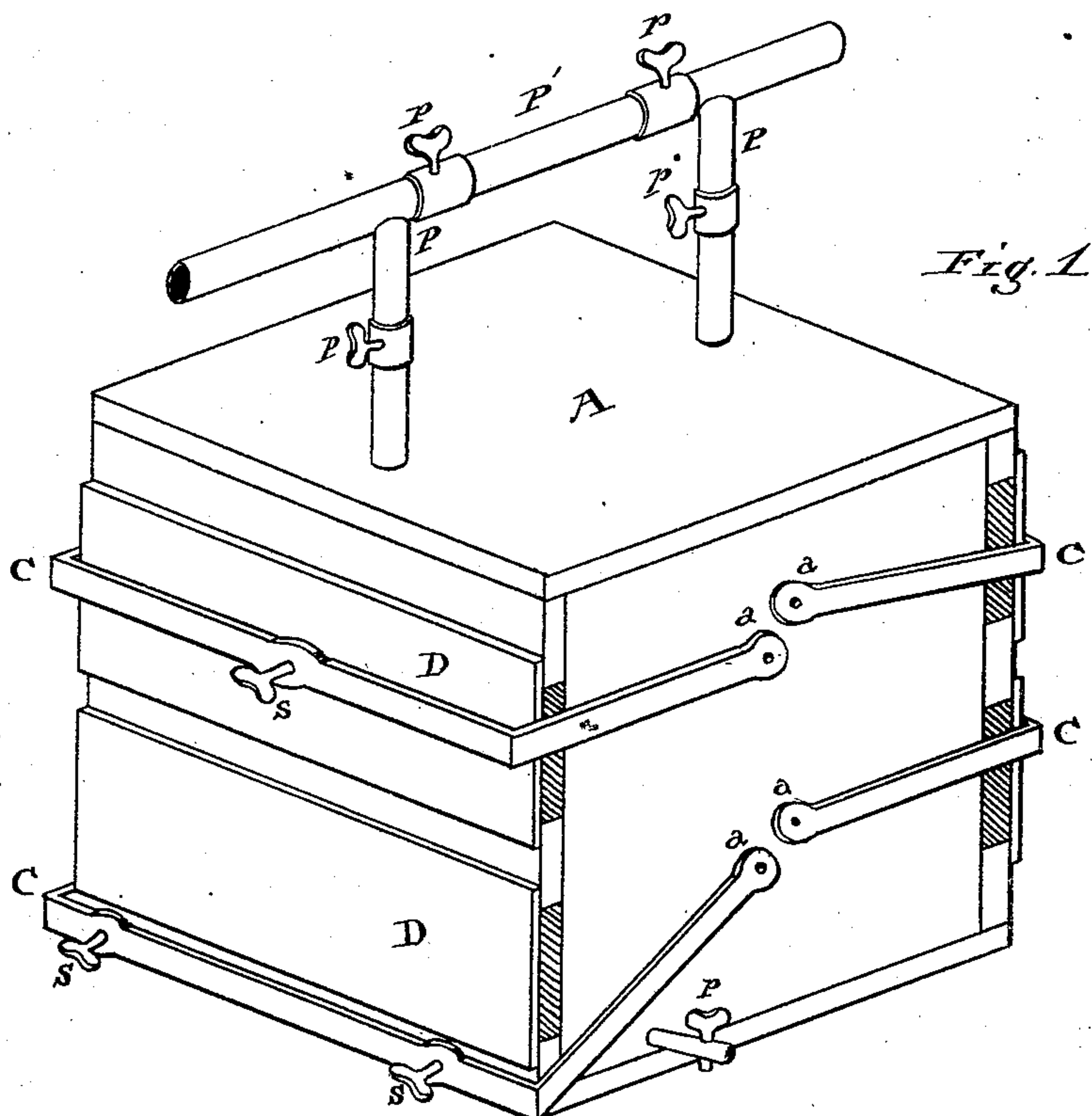


Fig. 1

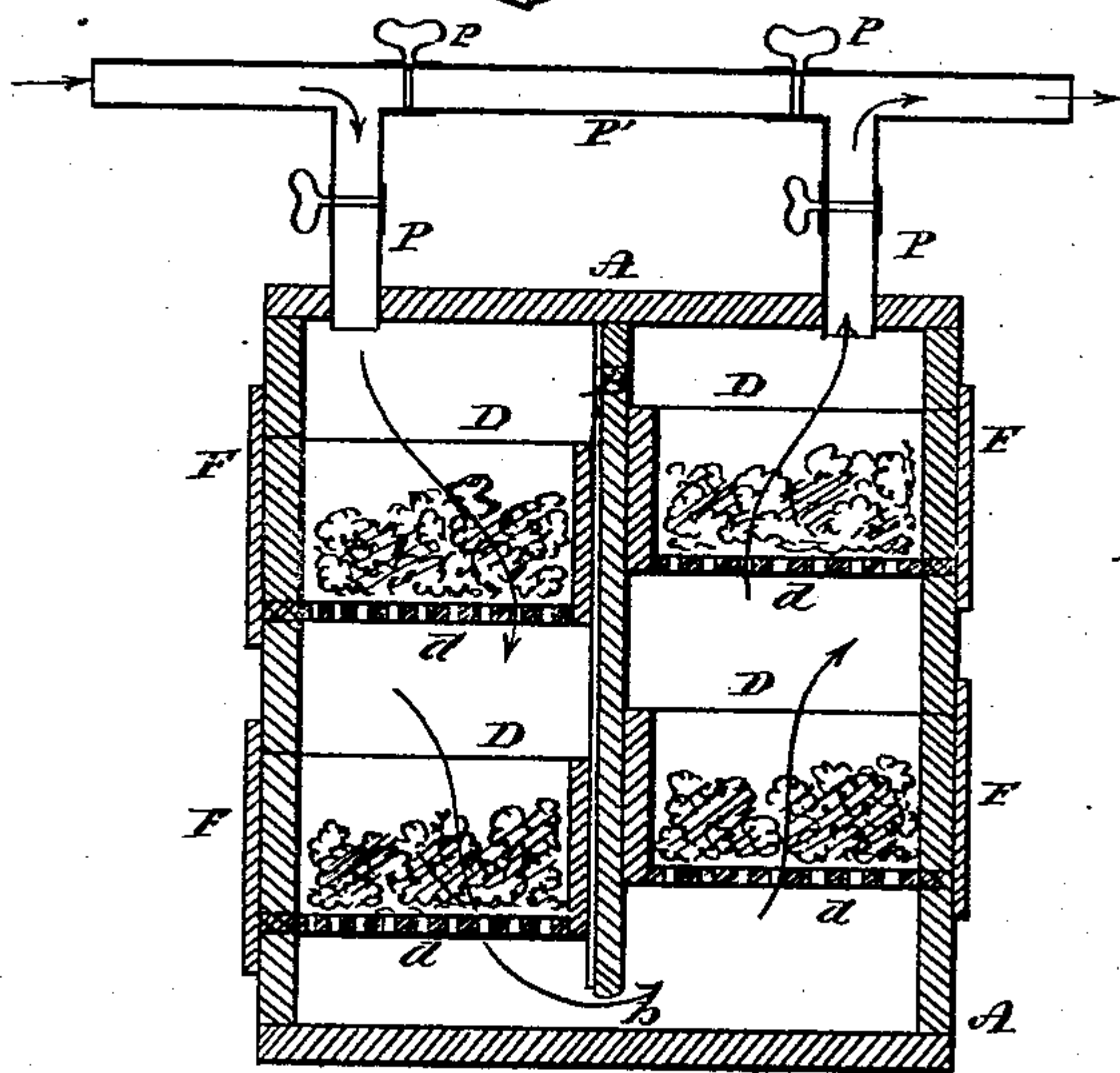


Fig. 2

WITNESSES.

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IMPROVEMENT IN APPARATUS FOR FLAVORING SPIRITS.

Specification forming part of Letters Patent No. **160,093**, dated February 23, 1875; application filed January 5, 1875.

To all whom it may concern:

Be it known that I, MARTIN GRUBE, now residing in the city of Lancaster, in the State of Pennsylvania, have invented certain Improvements in the Apparatus and Mode of Flavoring Spirits, &c., of which the following is a specification, which will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is a perspective view of the vessel and external parts. Fig. 2 shows the internal arrangement of the same.

Similar letters of reference indicate corresponding parts in both figures.

The nature of my invention consists in the construction of a box having a central partition from top to bottom communicating only below. Each chamber thus formed is provided with two or more drawers, made removable and steam-tight, one over the other, and each provided with a perforated bottom, in which the materials employed are placed for flavoring, impregnating, and purifying the distilled vapor in its passage down and up through said drawers from the ordinary still or generator to the cooling or condensing vessel.

The apparatus shown by Figs. 1 and 2 consists of a wooden box, A, of any desired size and strength, having a central vertical partition, B, steam-tight, but the two chambers thus made communicate below. Each chamber has two or more drawers, D, on opposite sides. These drawers have perforated bottoms, and are provided on the outer face with an overlapping metallic flange, F. This flange has gum or other stuffing to form a steam-tight joint or lap against the outer edges of the box and cross-pieces. There is a clamp, C, across each drawer, having a central binding-screw, s, or two, one near each corner, by which it is held in place firmly. These clamps have arms on each side at right angles to embrace the box A, to which they are secured by a pivot-bolt, a. Thus they can be raised up or down, and allow the drawer to be removed for charging the same with the desired material, such as bruised juniper-berries, aromatic seeds, spices, bitter herbs, or the like, with which the vapor is to be charged. Charcoal, alkaloids, or known compounds may be also used for purifying, the

object being that, by this arrangement of a series of drawers, one over the other, in two separate chambers, the vapor is subjected to longer and more continuous contact with the material employed. It becomes more fully charged and impregnated by the extract of the odor or matter in the material through which it is made to pass. A stop-cock, p, is shown beneath, and a pipe, P', to extend across the vessel, with branch pipes P P entering the several chambers at top, and are provided with stop-cocks p. A thermometer and ordinary hydrometer to test the specific gravity or strength of the spirits can be applied, but form no part of my invention.

The operation is already indicated by the description.

I am aware that separate vessels or doublers with perforated horizontal partitions are used in various forms for refining or doubling liquors. I am also aware that drawers are used side by side, whose absorbent contents are saturated with a purifying solution supplied by means of bent tubes or traps for aging liquor; such I do not use or claim. But I am not aware that a case divided into chambers having removable drawers, as shown and described, were ever before known or used in combination with a vapor-generating vessel and cooler, substantially in the manner herein set forth.

The object of the cross-pipe P' is for conveying the low wines or weaker spirits to their proper destination without being passed through the chambers, or for arresting the passage by means of the ordinary stop-cocks, as shown, or otherwise applied. Therefore,

What I claim as my invention is—

A series of two or more removable drawers, D, one over the other, in separate chambers made by a vertical partition, B, in a case, A, said drawers being provided with perforated bottoms d and overlapping flanges F, in combination with the clamps C and binding-screws s, the whole constructed, arranged, and operating substantially as and for the purpose specified.

MARTIN GRUBE.

Witnesses:

W. B. WILEY,
JACOB STAUFFER.