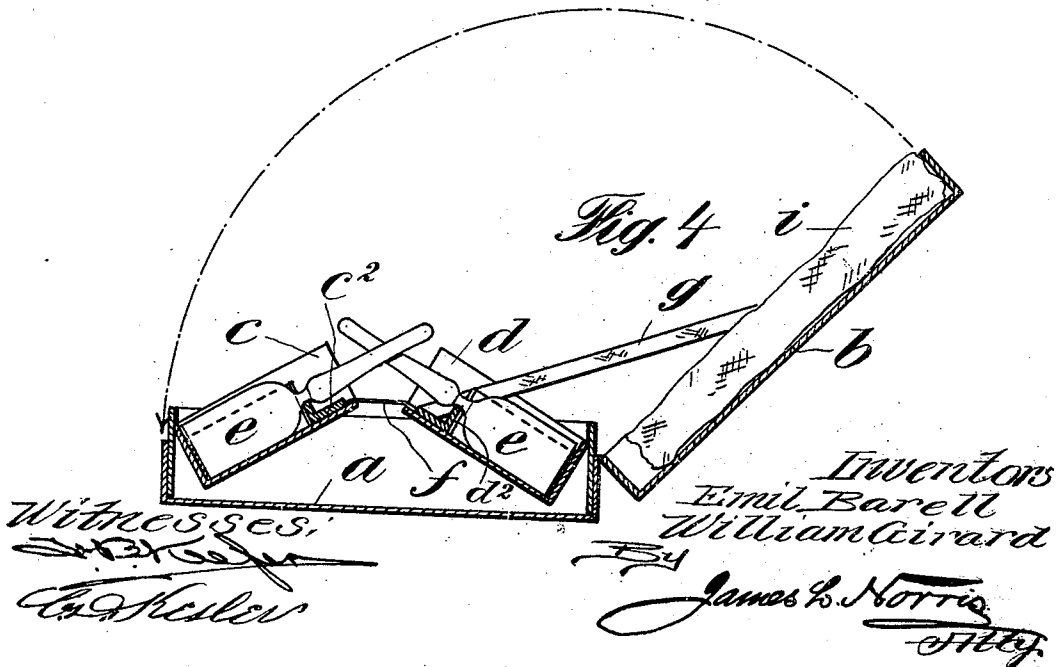
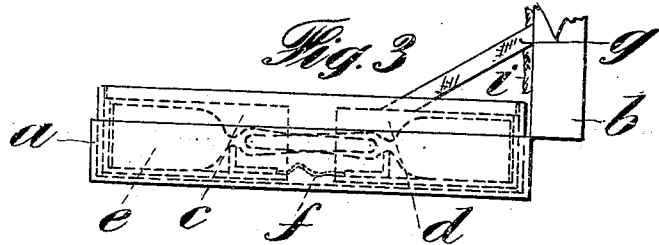
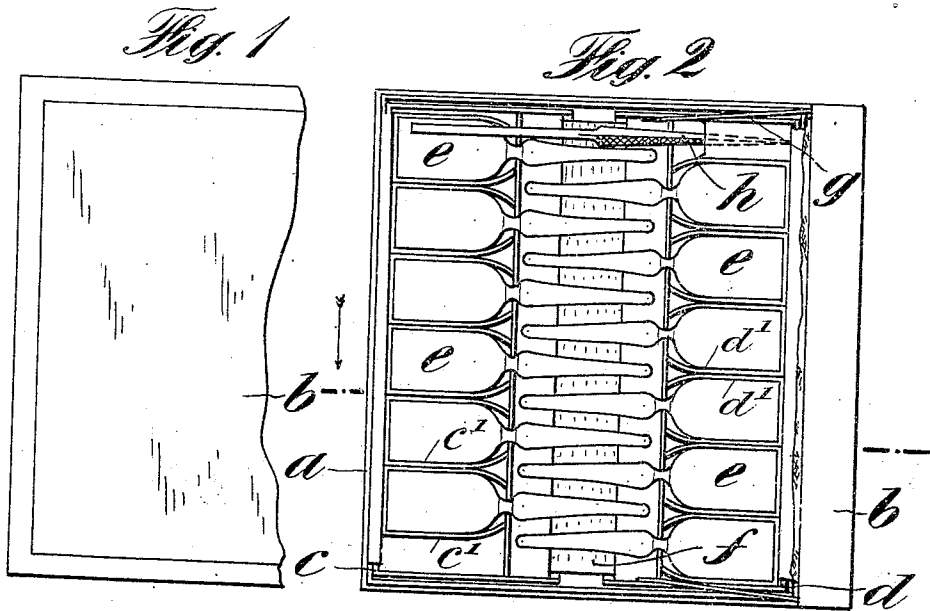


E. BARELL & W. GIRARD.
 BOX FOR VIALS, FLASKS, AND SIMILAR OBJECTS.
 APPLICATION FILED NOV. 22, 1909.

955,041.

Patented Apr. 12, 1910.



UNITED STATES PATENT OFFICE.

EMIL BARELL AND WILLIAM GIRARD, OF BASEL, SWITZERLAND, ASSIGNORS TO THE FIRM OF THE HOFFMANN-LA ROCHE CHEMICAL WORKS, OF NEW YORK, N. Y.

BOX FOR VIALS, FLASKS, AND SIMILAR OBJECTS.

955,041.

Specification of Letters Patent.

Patented Apr. 12, 1910.

Application filed November 22, 1909. Serial No. 529,349.

To all whom it may concern:

Be it known that we, EMIL BARELL, chemist, and WILLIAM GIRARD, manufacturer, citizens of the Swiss Confederation, residing at Basel, Switzerland, have invented certain new and useful Improvements in Boxes for Vials, Flasks, and Similar Objects, of which the following is a specification.

This invention has for its object to provide a convenient box or receptacle for holding vials or similar objects in such a manner, that by opening the lid each vial will be tilted up into a position, which will facilitate its removal from the box.

In the following description reference will be made to the accompanying drawings, of which—

Figure 1 is a partial plan of a closed vial box embodying the invention. Fig. 2 is a plan of the complete box, with the lid turned back sufficiently to expose the interior, Fig. 3 is an end elevation corresponding to Fig. 2, but showing only a portion of the lid, Fig. 4 is a vertical section through the completely opened box.

The improved box chiefly comprises an ordinary main-body or receptacle, such as *a*, an ordinary lid, such as *b*, hinged to the main body, a pair of movable supporting trays for the vials, such as *c* and *d*, and means for automatically tilting up the said trays by turning up the lid. The novelty consists mainly in the arrangement of the said trays in conjunction with the lid, as will be hereafter more fully described and specified by the claims. Each of the said trays contains a row of vials, such as *e*, and is hinged at one end to one of the end-walls of the box, while the free ends of the trays facing each other are joined together by a band of woven fabric or india-rubber, such as *f*. The depth of the said trays is somewhat less, than that of the box, *a*, their length is substantially less than half the length of the box, and the free ends of the boxes are open, so as to afford room for the necks or narrow ends of the vials. One of the said trays is connected with the lid *b* by a flexible band *g*

of such a length, that the act of raising the lid into the position shown by Fig. 4 will lift the said tray, which in its turn will then lift the other tray by means of the said band *f*. In this position the vials can be easily lifted out by means of the projecting necks.

Each of the trays contains a row of partitions *c*¹ or *d*¹ forming compartments for the vials, and each compartment is provided with a fork or rest *c*² or *d*² for the neck of the vial. The tray *d* contains also a pocket for a file *h*.

The interior of the lid *b* contains a holster or cushion *i* tending to retain the vials in the box, when the latter is closed.

If desired, the box may contain only one tray and one series of vials or flasks.

What we claim is:—

1. A box or receptacle for vials, flasks and similar objects, comprising a main receptacle, a pair of trays hinged to the interior of the said main receptacle symmetrically to each other and connected with each other so as to move in unison, each tray serving to support a row of vials, and a lid hinged to the said main receptacle and adapted to tilt up one of the trays by the motion of the lid, substantially as described.

2. In a box for holding vials or flasks, the combination of a main receptacle having two parallel sides, with a lid secured to one of the said sides and adapted to turn thereon, a tray for holding a row of vials inclosed in the said receptacle, the said tray being open at one end and adapted to turn on the opposite end, and the tray being connected with the lid, so as to be tilted up, when the lid is turned back, substantially as described.

3. In a box for holding vials or flasks, the combination of a main receptacle having two parallel sides, with a lid hinged to one of the said sides, a pair of trays for holding two parallel rows of vials inclosed in the said receptacle, the two trays being open at the ends facing each other and hinged to the main receptacle at the opposite ends and

being connected with each other by a band,
so as to move in unison, a pocket for a file
situated in the main receptacle and adjoining
one of the said trays, and a band connecting
5 the lid with one of the said trays, so
as to tilt it up, when the lid is turned back,
substantially as described.

In testimony whereof we have hereunto

set our hands in presence of two subscribing
witnesses.

EMIL BARELL.
WILLIAM GIRARD.

Witnesses:

GEO. GIFFORD,
ARNOLD ZUBER.