(No Model.)

J. C. D. CURTISS.

VESSEL HOLDER FOR DRUGGISTS' USE.

No. 447,605. Patented Mar. 3, 1891.

Fig. 1.

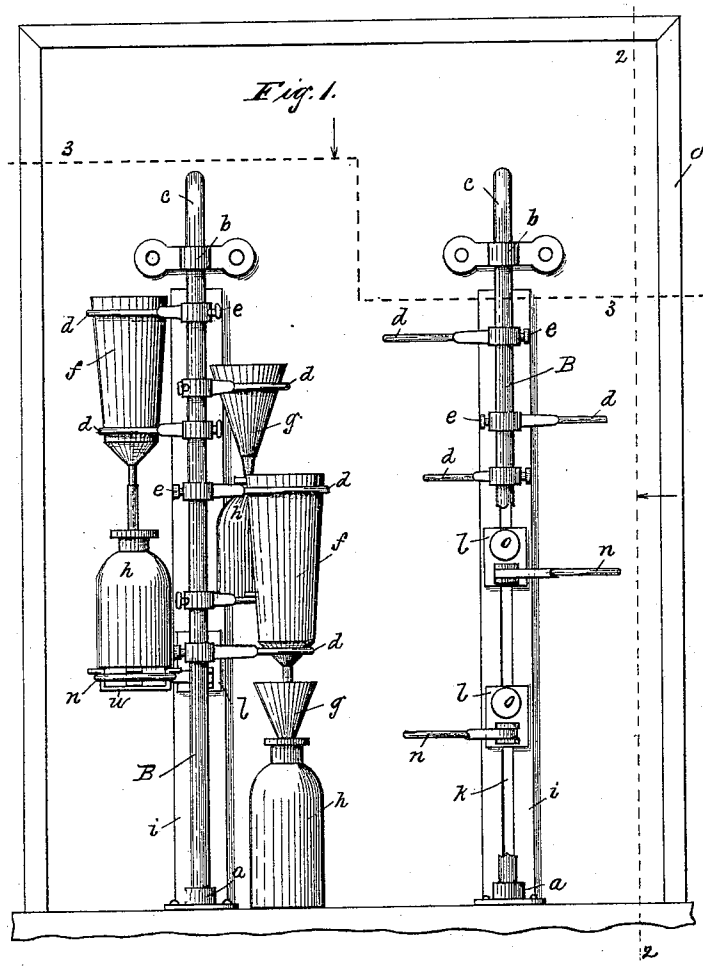
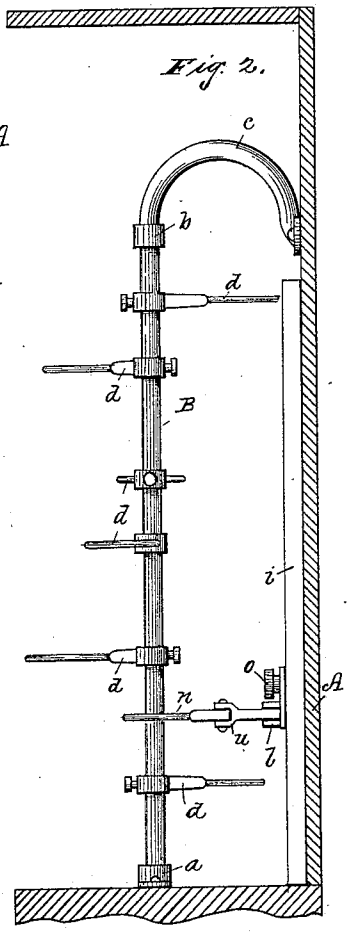


Fig. 2.



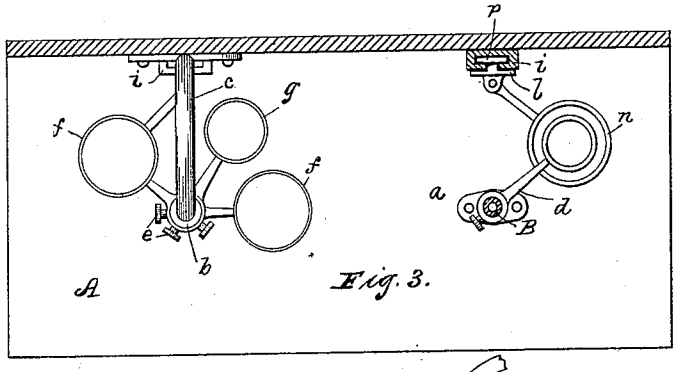


Fig. 3.

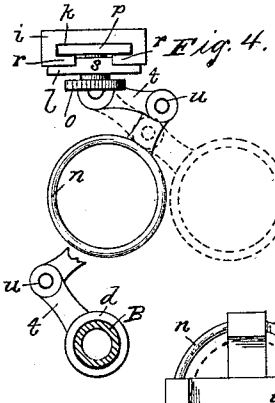


Fig. 4.

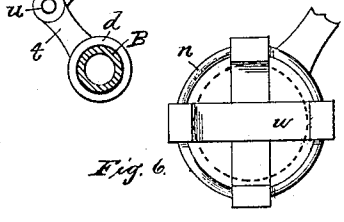


Fig. 6.

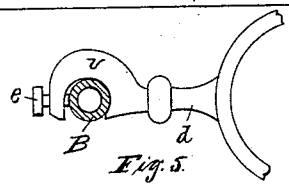


Fig. 5.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAY C. D. CURTISS, OF ROCHESTER, NEW YORK.

VESSEL-HOLDER FOR DRUGGISTS' USE.

SPECIFICATION forming part of Letters Patent No. 447,605, dated March 3, 1891.

Application filed November 3, 1890. Serial No. 370,118. (No model.)

To all whom it may concern:

Be it known that I, JAY C. D. CURTISS, of Rochester, in the county of Monroe and State of New York, have invented a new and useful Improvement in Vessel-Holders for Druggists' Use, which improvement is fully set forth in the following specification and shown in the accompanying drawings.

My invention relates to devices for holding percolators, funnels, and similar articles for filtering, percolating, and straining liquids more particularly for druggists' use. The invention is hereinafter fully described, and more particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a front elevation of the device, parts being broken away; Fig. 2, a side elevation sectioned on the dotted line 2 2 in Fig. 1; Fig. 3, a horizontal section taken on the dotted line 3 3 in Fig. 1; Figs. 4, 5, and 6 are enlarged views of parts of the device, better showing the construction of the same.

Referring to the parts shown, A is a case or cabinet for containing the device and in which the filtering, percolating, &c., is done; or the device may rest on a counter or shelf standing against the wall, if found more convenient.

B are vertical standards, preferably hollow or tubular, resting in steps *a*, secured to the floor of the cabinet with their upper respective ends resting in sockets *b* of holding-arms *c*, secured to the back of the cabinet or the wall. The standards are provided with shiftable holding-rings *d*, made fast to the standards by clamping-screws *e*, and their use is to hold percolators *f*, funnels *g*, glass jars *h*, or other devices used in preparing and compounding medicines by the processes of filtration, percolation, &c. Immediately in the rear of each of these standards is another standard *i*, longitudinally grooved, secured rigidly in a vertical position to the rear wall of the cabinet. The grooves *k* in these rear standards form races, in which are fitted the sliding heads *l* of other holding-rings *n*, similar to the rings *d*. These sliding heads are fitted to slide freely up or down in the grooves to any desired positions, and are made fast to the standards by means of thumb-screws *o*. The grooves *k* are T shape in cross-section, a part *p* of the sliding head *l* occupying each groove back of the tongues *r* at the side of the groove. The part *p* of each head is separated from the outer part *s* of the head, and the screw *o* is threaded in said part *p*, while it turns as with a journal-bearing in the part *s*. On account of this construction the sliding heads may be at any time firmly set upon the grooved standards by tightening up the screws *o*. When these screws are tightened up, the tongues *r* are pinched tightly between the parts *p* and *s* of the sliding head.

The arms *t* of the holding-rings *d* and *n* are preferably formed with elbow-joints *u*, as shown in Fig. 4, by means of which these rings may have a sort of universal movement in horizontal planes. This enables the operator to place the rings in rear of the standards B or in any other convenient place when in use.

In using this device for percolating or other purposes the lower vessel—as, for instance, the jar *h*, shown at the left-hand in Fig. 1—is held by a ring secured to the standard *i*, while the percolator *f* is held by rings *d d* of the standard B, said three rings being brought to positions in which their respective centers are in a vertical line. At the right in Fig. 3 is shown two holding-rings *d* and *n*, extending out from the respective standards B and *i* in positions in which said rings are concentric or having their centers in a vertical line.

By having a standard B and a parallel adjacent standard *i*, both provided with numerous holding-rings to coact, several operations of filtering, percolating, &c., may be carried on simultaneously and independently of each other, all occupying but a small space, as shown in Fig. 1.

It is sometimes desirable to make the holding-rings *d* of the standards B with their heads *v* opened out at one side, as shown in Fig. 5, so that the rings may be removed from the standards and replaced in different locations thereon for the purpose of disposing them more conveniently for use. To use with these holding-rings, I employ seats or rests *w*, made of thin strips of sheet metal, (shown in Figs. 1 and 6,) used more commonly with the rings extending from the rear standards *i*. These rests are formed with depressed parts, which enter the rings and extend below the latter. In using small jars the latter are placed down in the depressed part of the rests, as repre-

sented by dotted circle in Fig. 6, while the large jars rest upon the horizontal projecting ends of the seats, as shown in Fig. 1. One or more of these pairs of standards B and *i* may be employed, two pairs being shown in the principal figures. By means of this device the percolators and other vessels are securely held in place and without liability of tipping over, the whole being inclosed within the cabinet, if desired.

What I claim as my invention is—

A device for holding percolators and similar vessels, consisting of a standard B, provided with shiftable holding-rings, in combination with a rigid grooved bar parallel with said standard, shiftable clamping-heads held in the groove of said bar, holding-rings, and jointed ring-holding arms held by said clamping-heads, substantially as shown, and for the purpose specified.

2. A device for holding percolators and other vessels, having a rigid grooved standard, a sliding head held by said standard, formed with a part *p* within the groove and a separate part *s* without the groove, held to the part *p* by a clamping-screw, and an arm *t*, pivoted to said sliding head to swing in a horizontal plane, in combination with a holding-ring *n*, pivoted to said arm to turn in a horizontal plane, substantially as shown and described.

In witness whereof I have hereunto set my hands this 30th day of October, 1890, in the presence of two subscribing witnesses.

JAY C. D. CURTISS.

Witnesses:
E. B. WHITMORE,
M. L. MCDERMOTT.