

(No Model.)

F. A. REICHARDT.
VIAL HOLDER.

No. 501,162.

Patented July 11, 1893.

FIG. 1.

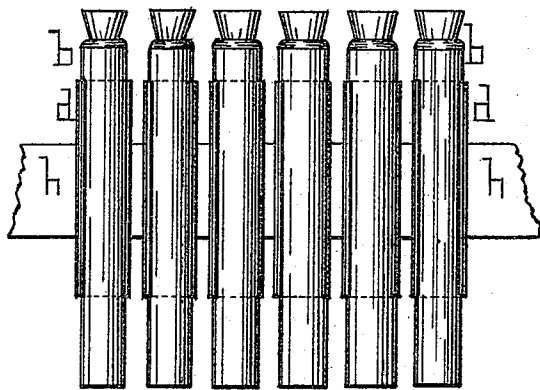


FIG. 2.

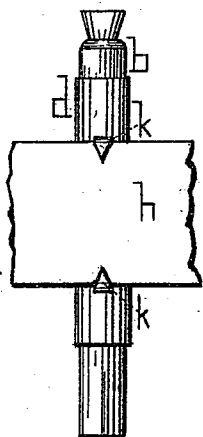
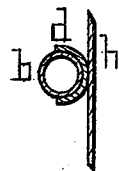


FIG. 3.



FIG. 4.



WITNESSES:

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VIAL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 501,162, dated July 11, 1893.

Application filed August 8, 1891. Serial No. 402,176. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND ALFRED REICHARDT, a citizen of the United States, residing at the city of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Vial-Holders, of which the following is a specification.

The nature of the invention consists in the details of combination and construction substantially as illustrated in the accompanying drawings, hereinafter described, and subsequently pointed out in the claim.

Figure 1, is a front view of my invention holding a series of vials. Fig. 2, is a back view of the device holding one vial. Fig. 3, is a longitudinal vertical section of the same. Fig. 4, is a transverse section of the same.

Heretofore when bottles or vials have been carried in doctors' cases or applied in a similar way, they have been held in place by continuous loops of leather or other similar material; it has been found however that such continuous loops concealed the labels of the vials; that only one size of vials would be adapted to one set of loops; that the loops were fixed and so could not be exchanged for loops of different sizes; that the leather loops were easily torn, soon worn out, and soon became practically worthless. It is to remedy these defects that my present invention has been devised.

In the drawings *h*, designates a strip of sheet metal or other suitable material of similar form. Upon this are mounted the cylindrical holding springs *d*. These springs are attached to the strip *h*, by means of the clips *k*. In the example of my invention here given, these clips are struck out of the spring *d*, leaving a slot *i*, from which they were cut. But one end of the clip is not cut off, so that it still remains integral with the spring *d*. This clip *k* might be riveted or otherwise fastened on the spring *d*; but I prefer to strike it up as described. The spring *d*, is a segment of a cylindrical tube, long enough to extend a little more than half way around the vial, so that when the vial *b*, is pushed into it, the vial will be securely held, but not so fast, but that it can be easily removed. The clips *k*, overlapping the edges of the strip *h*, hold the springs *d*, in proper position so that they can be slipped any where along the whole length of said strip so that any desired number of said springs, for carrying vials, may be put

on said bar, and adjusted at any desired distance apart, thereon, the whole device to be as illustrated in the drawings.

This device may be made of any suitable material, but I prefer to make it of sheet metal.

To use my device, the springs *d* are slipped on the strip *h*, and placed at convenient distances apart. The vials are then put into the springs as illustrated in the drawings. It will then be found that the vials, while they are securely held, will be much easier taken out and put in, than with the old fashioned continuous loop; that the loop does not conceal the label; that on account of the elasticity of the spring, three or four sizes of vials will fit the same spring; that the spring may be adapted to the size of much smaller vials by compressing the edges a little; that a spring of one size may be taken off the strip *h*, and a spring of any other desired size substituted for it; and that the device being made of sheet metal is practically almost indestructible, and of much less expensive construction, than any other article, now in the market, sold for the same purpose.

This device may be fixed in a doctor's medicine case, or for a rack on the wall, or on a desk, and in many other places too numerous to mention. It is also evident that by adapting the size of this device it may be used for vials or bottles of any size.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a vial holder, the combination with cylindrical springs, cleft so that a vial can be readily inserted into, and withdrawn therefrom, and formed with clips integral with said springs, transverse to the axis thereof, and bent and adapted to accommodate a transverse bar, of a transverse bar embraced by said clips; and said springs, and clips, and bars so adapted and arranged, that while the said springs are supported by said bar, said springs may be taken off and put on the said bar, and adjusted to rest on any part of the said bar, as may be required, all substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have hereto signed my name in presence of two witnesses.

FERDINAND ALFRED REICHARDT.

Witnesses:

J. WHITTLE,
FREDERICK McDONALD.