R. E. DIETZ.

Lamps.

No. 144,070. Patented Oct. 28, 1873.

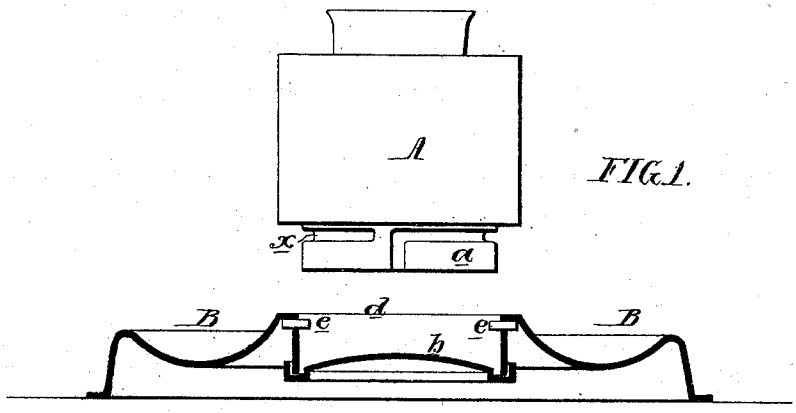

FIG. 1.

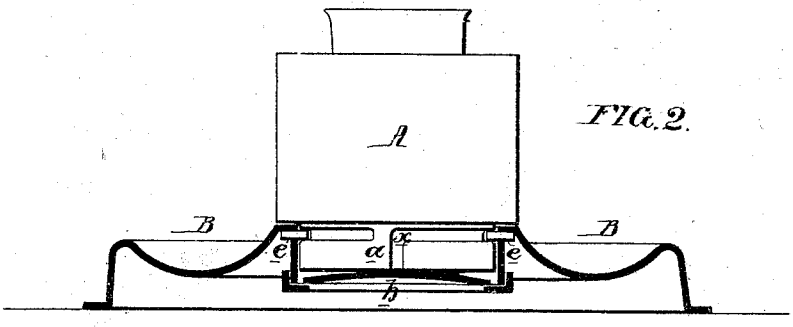

FIG. 2.

Witnesses, Harry Smith
Thomas McAlvain.

Robert E. Dietz
by his Attys.
Howson and Sons

UNITED STATES PATENT OFFICE.

ROBERT E. DIETZ, OF NEW YORK, N. Y.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **144,070**, dated October 28, 1873; application filed March 21, 1873.

To all whom it may concern:

Be it known that I, ROBERT E. DIETZ, of the city, county, and State of New York, have invented an Improvement in Attaching Metal Reservoirs to Metallic Bases, of which the following is a specification:

The object of my invention is to connect the fountains of lamps and other vessels to metallic bases in such a manner that, while secure attachment is insured, the vessel can be readily withdrawn. This object I attain by the combination of a grooved projection, *a*, of the vessel A with a metal base, B, having a recess for receiving pins *e e* for retaining the vessel, and an elastic bottom, *b*, for exerting a constant upward pressure against the said vessel, all as shown in Figures 1 and 2 of the accompanying drawing.

A may represent the fountain of the lamp, the reservoir of an inkstand, or any other vessel which has to be connected to a base or stand, B, the latter consisting, in the present instance, of a struck-up metal plate. The base has a central recess, *d*, the bottom of which consists of a concavo-convex elastic plate, *b*. At the bottom of the vessel is a circular projection, *a*, in which are grooves, partly vertical and partly horizontal, which, in conjunction with pins *e e* projecting from the sides of the recess in the base, form a bayonet-fastening.

On introducing the projection *a* of the vessel into the recess of the base, the elastic plate *b* must be compressed before the pins will enter the horizontal portions of the grooves, and the constant upward pressure of this plate will add to the security of the fastening, without presenting any obstacle to the withdrawal of the projection *a*, when the vessel has to be disconnected from the base.

If desired, the grooves *x* in the projection *a* of the vessel may be slightly inclined, so as to form sections of a screw-thread, instead of being horizontal.

I claim as my invention—

The grooved projection *a* of the vessel, in combination with the recess *d* of the base, the pins *e e*, and the elastic bottom of the said vessel.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT E. DIETZ.

Witnesses:

FREDK. DIETZ,

JOHN M. DAVIS.