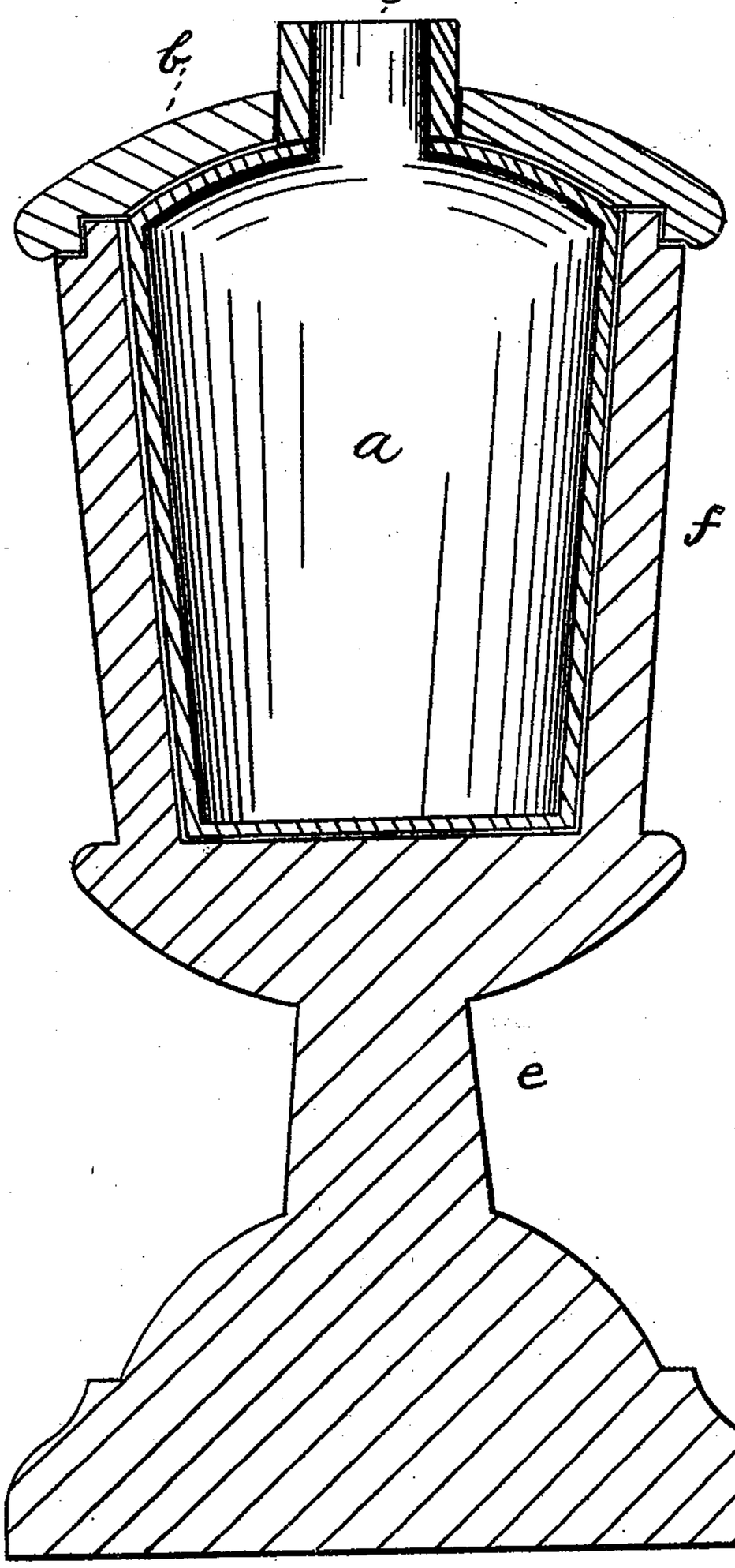
G. M. STEVENS.

LAMP.

No. 171,540. Patented Dec. 28, 1875.




Witnesses:

Frank H. Jordan.

Charles E. Clifford

Inventor:

Grenville M. Stevens

per

Wm. Henry Clifford

atty.

# UNITED STATES PATENT OFFICE.

GRENVILLE M. STEVENS, OF DEERING, MAINE.

## IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **171,540**, dated December 28, 1875; application filed November 22, 1875.

*To all whom it may concern:*

Be it known that I, GRENVILLE M. STEVENS, of Deering, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Lamps; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The drawing shows a vertical transverse section of my invention.

The object of my invention is to produce a lamp which is not liable to break, one which will not become moist by the exuding of the combustible contents of the same, and one which is and can be made rich and ornamental in form and appearance.

The receptacle for the oil or other liquid is seen at *a*. This can be made of any metal, the different parts being soldered together; or this cup or receptacle may be spun up from a single piece of metal to the size and form desired. The receptacle *a* is provided with a wooden cap or cover, *b*, to the top of which receptacle it is glued or otherwise fastened. The receptacle has besides its own metal cover at the top, through which there is a hole of a size sufficient for filling, and for other necessary purposes. A metallic neck, *c*, is fitted into the hole in the top of the cover of the receptacle *a*, and the wooden cover *b* is fitted to this. This neck is provided on the interior with a screw-thread to receive the screw of the lamp-burner. *d* is the base. *e* is the stock or handle. The receptacle *a* is placed within the wooden bowl or cup *f*, with the wooden top *b* resting and fitting upon the top edges of the cup. An annular air-space of greater or less thickness is desirable between the outside of the receptacle *a* and the inside of the cup *f*, although the lamp may be made without such a space.

When the parts are together the lamp presents a body or cup of wood surmounted by the cover *b*. The cover can be fitted by a shoulder, as seen in the drawing, or there may be a stud on the cover, and a groove in the top of the cup *f*, to form a bayonet-joint.

By this arrangement the receptacle *a* is kept at a nearly uniform temperature, and is almost entirely exempt, if not quite, from "sweating." The freedom from liability to fracture is obvious from the nature of the materials employed.

For filling, the receptacle *a*, with the wooden cover, can be removed from the other portions of the lamp, and thus prevent those portions from becoming soiled.

Instead of the bowl, and top, &c., being cut or carved from a block of wood, it is manifest that these parts may be made of wood-pulp pressed into the desired form by a process now well known, or of papier-maché, or any other non-conducting material that will accomplish the same purpose. If desired, the receptacle *a* can be of glass.

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

A lamp made as described, and composed of the base *d*, stock *e*, the wooden cup or bowl *f*, the wooden top *b*, and metal receptacle *a*, the said receptacle *a* being attached to the cover or top *b* by the metallic neck *c*, held suspended in the cup *f* from said wooden cover *b*, and removable from the cup *f* with said top, as herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

GRENVILLE M. STEVENS.

Witnesses:

WILLIAM HENRY CLIFFORD,

FRANK H. JORDAN.