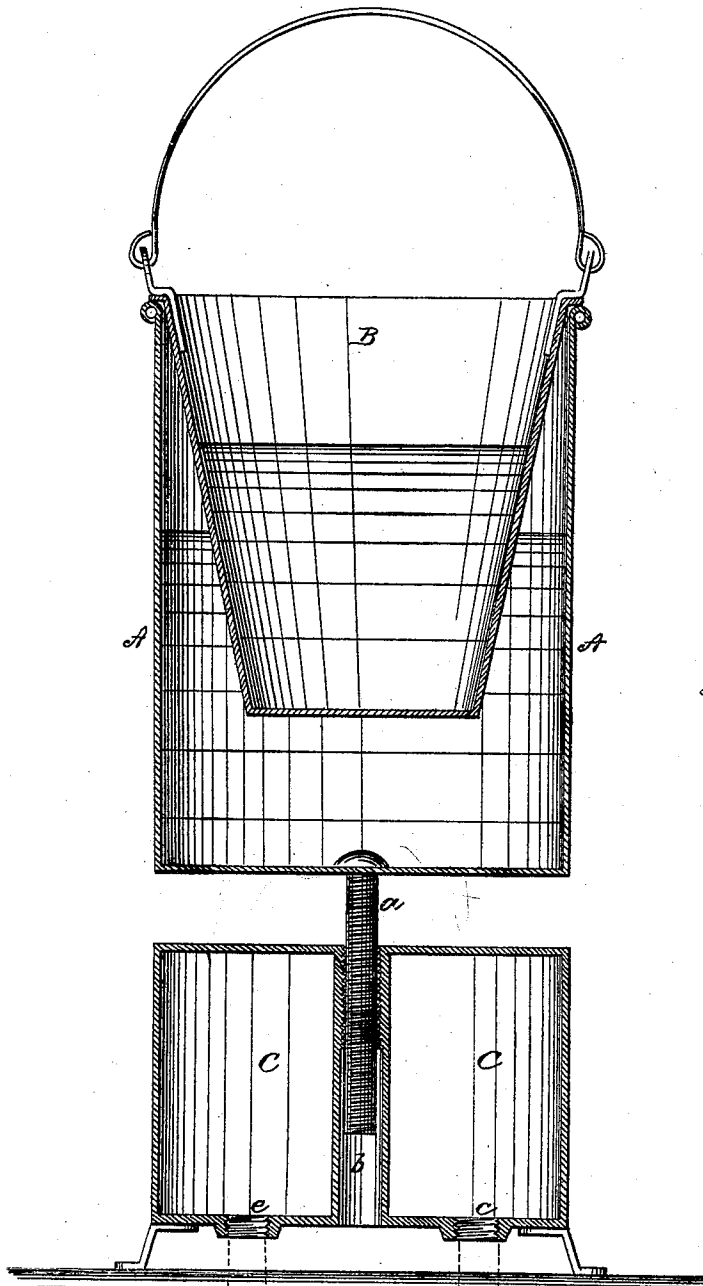


C. S. COMINS.
GLUE POT.

No. 171,922.

Patented Jan. 11, 1876.



Witnesses:

H. C. Mattingly
W. Orrell

Inventor:

Charles S. Comins
per G. M. [Signature]
Atty.

UNITED STATES PATENT OFFICE.

CHARLES S. COMINS, OF NEW YORK, N. Y.

IMPROVEMENT IN GLUE-POTS.

Specification forming part of Letters Patent No. **171,922**, dated January 11, 1876; application filed November 2, 1875.

To all whom it may concern:

Be it known that I, CHARLES S. COMINS, of the city, county, and State of New York, have invented a new and useful Improvement in Glue-Pots; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification:

This invention is in the nature of an improvement in glue-pots; and the invention consists in a glue-pot which is adjustable in its relation to its heating-surface, so that it may be brought nearer to, or farther from, such surface, as circumstances may require.

The desirability of keeping the glue, while being used, at the right temperature, and avoiding all liability of its boiling over, on the one hand, or becoming chilled on the other, is well known to mechanics who have occasion to prepare and use glue. By my invention this is accomplished with certainty and without trouble, as will be seen from the following description and accompanying drawings, wherein is represented a longitudinal section of my improved glue-pot.

A represents the outer shell of a glue-pot, within which is placed the water, and B the glue-pot proper, which is placed within it, as in the ordinary construction of glue-pots.

This construction not being novel in any particular, no further description is needed.

To the center of the under side of the bottom of the shell A is secured a screw, *a*, which extends downward and at right angles to said bottom. C represents the base, from which emanates the heat designed to dissolve the glue. This base has formed through its center an orifice, *b*. This orifice has within it screw-threads corresponding to the threads on the screw *a*. The upper surface of the base C is closed, as well as its under surface. The screw *a*, after being entered within the orifice *b*, may be received entirely within said orifice, or but partially so.

Heat being applied into the base C by steam, or in any other desirable manner, the shell A of the glue-pot is turned so as to send the screw *a* entirely within the orifice *b*, which will bring the under surface of the shell closely in contact with the upper surface of the base.

In this position the greatest amount of heat is brought to bear upon the glue-pot, and the glue within it very speedily begins to boil.

Now, to keep the glue, after being properly prepared, at the requisite temperature, it is only necessary to revolve the shell A until its bottom is brought out of contact with the surface of the base, in which position a stratum of air entering between the base and the bottom of the shell, it will modify the temperature to any degree desired, by simply screwing up or down the cylinder A, bringing it nearer to or farther from the upper surface of the base, so that, in this way, the glue may be kept on the boil, or simmer, or otherwise, at pleasure, without danger of boiling or getting too cool to use.

While the application of this invention, in the present instance, is made to a glue-pot, yet it is obvious that the invention applies equally well to utensils used to prepare food for children and invalids, and also to chemical manipulation, and for any other purpose where a quick and certain adjustment of temperature may be desired.

The application of this invention to a glue-pot is particularly desirable when the heat used is derived from steam. In that case, a pipe may be led into an orifice, as at *c*, conducting the steam into the base C, and a second pipe may pass from the base C at an orifice, as at *e*, this second pipe leading into the base of a second glue-pot, and so on. A series or chain of glue-pots may be connected with the same steam-heating apparatus, and yet the whole series of pots may be operated or used at different degrees of temperature, in like manner as if they were each heated from separate or independent sources.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the heater C, constructed with the threaded orifice *b*, and the glue-pot having the screw *a*, arranged and operating substantially as described.

CHAS. S. COMINS.

Witnesses:

G. M. PLYMPTON,
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