

J. A. CUDLIPP.
Ejectors.

No. 148,111.

Patented March 3, 1874.

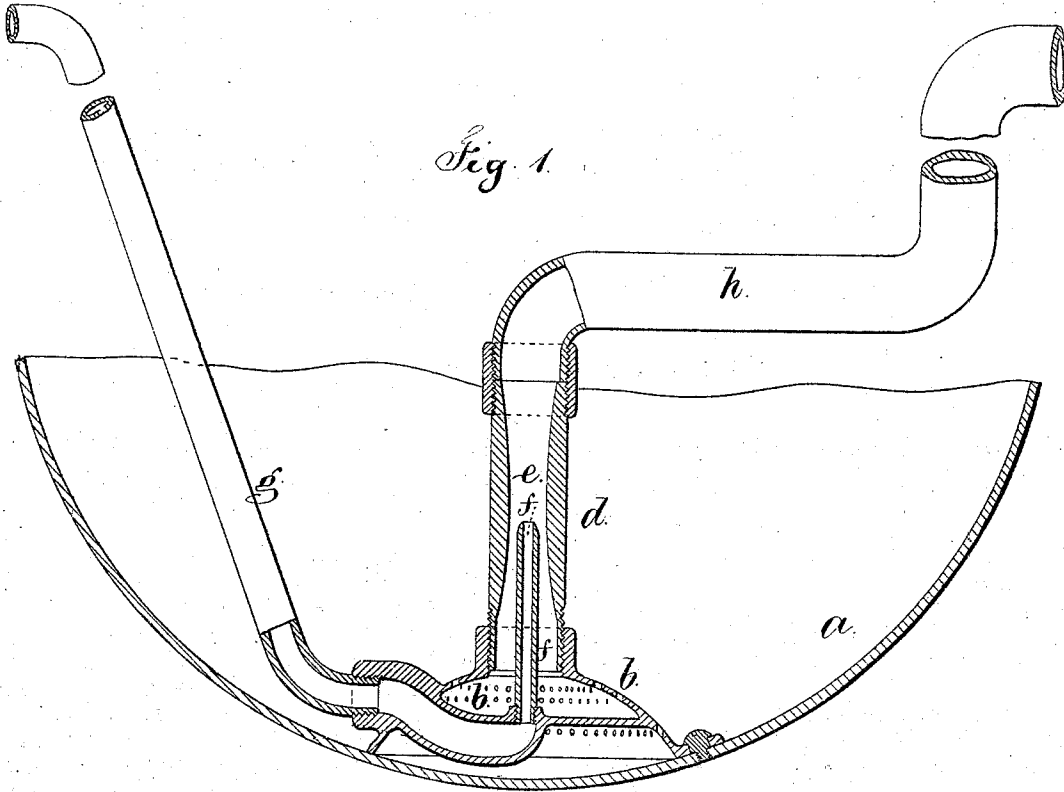
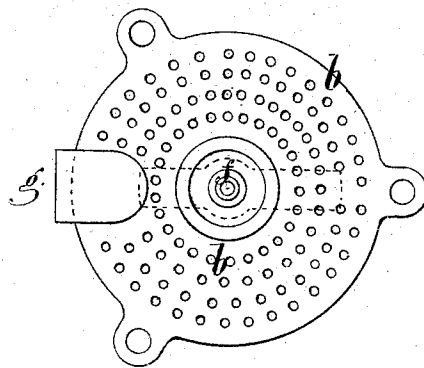


Fig. 2.



Witnesses

Chas. Smith
Harold Smell

Inventor

Joseph A. Cudlipp

per Lemuel W. Serrell

att'y

UNITED STATES PATENT OFFICE.

JOSEPH A. CUDLIPP, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN EJECTORS.

Specification forming part of Letters Patent No. **148,111**, dated March 3, 1874; application filed February 10, 1874.

To all whom it may concern:

Be it known that I, JOSEPH A. CUDLIPP, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Siphons, of which the following is a specification:

Siphons have heretofore been made with a steam-jet to induce the flow of liquid through a pipe. They are, however, bulky and expensive. My improvement is especially adapted to the transfer of cane juice or sirup from one evaporating or boiling pan to another, but it may be used for other purposes. The said invention consists in a convex strainer, forming also a support for the contracted injector-tube of the siphon, in combination with a tube introduced through the side of the strainer and terminating as a jet within the contracted portion of the siphon-tube.

By this construction the parts are very cheap and simple. There is no risk of the siphon becoming obstructed with foreign matter, and the strainer becomes a base for the siphon.

In the drawing, Figure 1 is a vertical section of such siphon-injector, and Fig. 2 is a plan of the same.

The vessel *a* represents part of a sugar-

kettle or other container of the liquid to be forced from that vessel into another. The convex strainer *b*, made of perforated metal, is adapted to fit upon the interior of said vessel *a*, and it may be screwed to place. In the center of this strainer *b* a vertical pipe, *d*, rises, that is contracted at *e*, near which point is the upper end of the jet-tube *f*. *g* is a pipe through which steam under pressure, or other fluid, is allowed to pass and act as an injector to force the liquid through the contracted pipe *d*, and rising or siphon tube *h*, to the point of delivery.

If desired, the pipe *g* may be wrapped or incased to prevent condensation of steam, when used with a cold liquid.

I claim as my invention—

The convex strainer *b*, forming a base from which rises the contracted ejector-tube *d* and pipe *h*, in combination with the jet-tube *f* and pipe *g*, as and for the purposes set forth.

Signed by me this 5th day of February, A. D. 1874.

JOSEPH A. CUDLIPP.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.