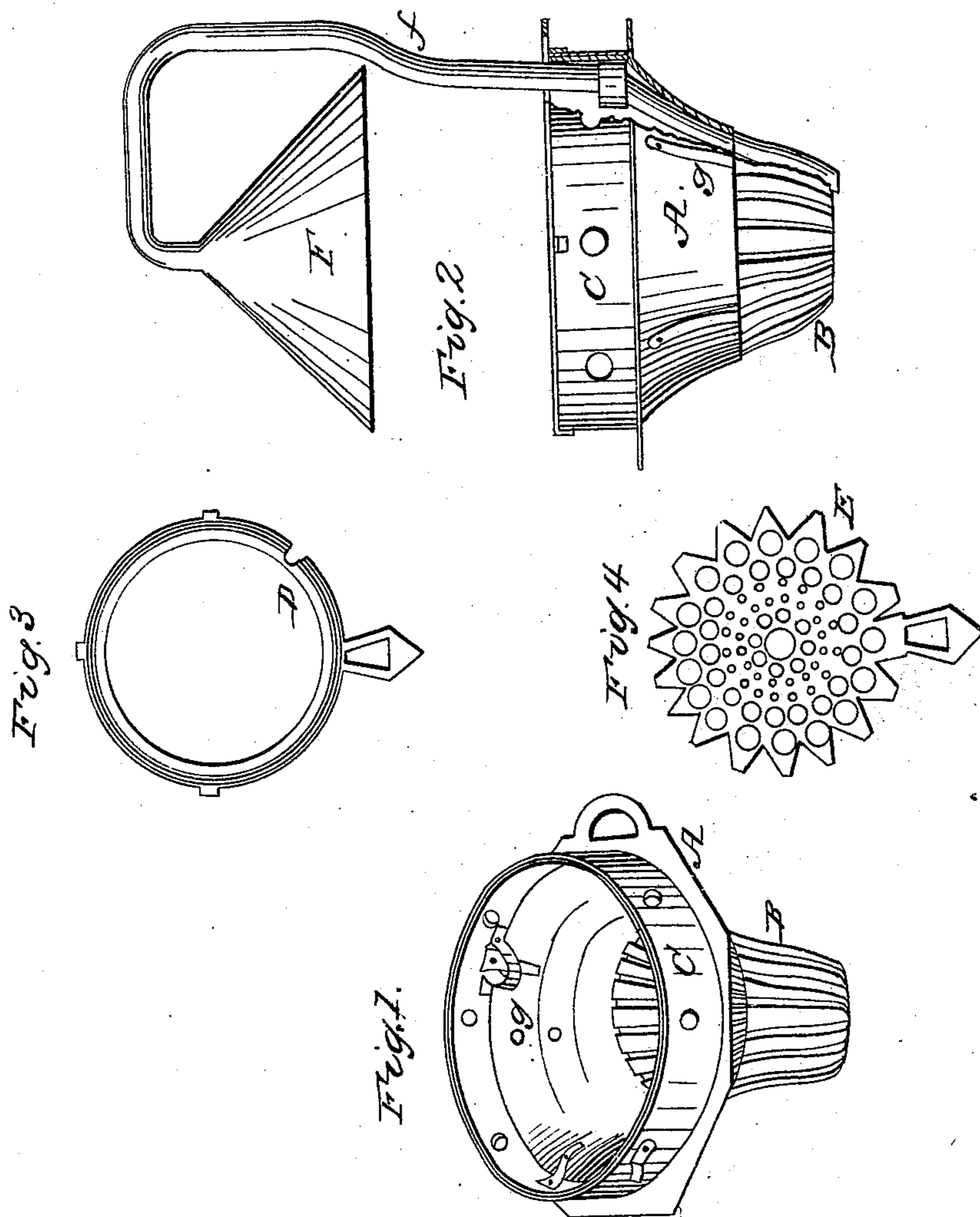


LYON, AGER, BREED & SEAMAN.

Portable Furnace.

No. 93,321.

Patented Aug. 3, 1869.



witnesses

J. C. Pedrick.

Austin B. Paige.

Inventors:

James H. Lyon
Wilson Ager & Daniel Breed, atty.
per Daniel Breed, atty.
and for himself

United States Patent Office.

JAMES H. LYON, WILSON AGER, DANIEL BREED, AND WILLIAM H. SEAMAN, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 93,321, dated August 3, 1869.

IMPROVEMENT IN PORTABLE SUMMER-FURNACES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that we, JAMES H. LYON, WILSON AGER, DANIEL BREED, and WILLIAM H. SEAMAN, of Washington, District of Columbia, have invented certain new and useful Improvements in Portable Kitchen-Furnaces; and we hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and letters of reference marked thereon.

In the accompanying drawings—

Figure 1 is a perspective view of our improved furnace.

Figure 2 is a side view of the same, with the smoke-hood attached.

Figure 3 is a detached view of a flat ring used with our furnace.

Figure 4 is a griddle, fitted to the furnace.

Our improvements consist of certain novel arrangements in the construction of portable summer-furnaces.

Our improved furnace is intended chiefly for use upon a common stove during warm weather, when it is desirable to use but little fuel. The furnace may be set into the hole of a common stove, like a Kettle, and the fire made in the furnace, either with charcoal or other fuel, as desired.

In the construction of our new furnace, the body A and the grate B better be cast separately when the furnace is to be used for hard coal, though they may be cast in one piece if desired.

On the top of the furnace are placed two removable and adjustable rings, C, for supporting the kettle. These rings have draught-openings, c, which may be opened

or closed at pleasure, by turning the outer ring upon the inner one.

A third ring, D, is placed on the rings C, for receiving smaller kettles or vessels.

Also, a griddle, E, may be used for broiling meat, or supporting pans or other vessels not requiring great heat.

Above this griddle is placed a smoke-hood, F, provided with a pipe, f, for conducting the smoke into the fire, instead of allowing the same to escape into the room, which is very offensive.

When all the rings are removed, and a very small fire employed, the kettle may rest upon the projections g, so as to allow air to enter under the kettle.

Also, small projections, h, may be used, to produce an outside draught under the furnace, the furnace not fitting tightly into the hole of the stove.

We do not broadly claim portable kitchen-furnaces for use upon stoves, but we believe the above-described furnace is an improvement upon those heretofore known.

Having thus described our invention,

We claim, as an improvement in summer-furnaces, the construction, arrangement, and combination of the furnace A B, vertically-adjustable rings C, and smoke-hood F, substantially as set forth.

JAMES H. LYON.
WILSON AGER.
DANIEL BREED.
WM. H. SEAMAN.

Witnesses:

AUSTIN B. PAIGE,
DANIEL BREED.