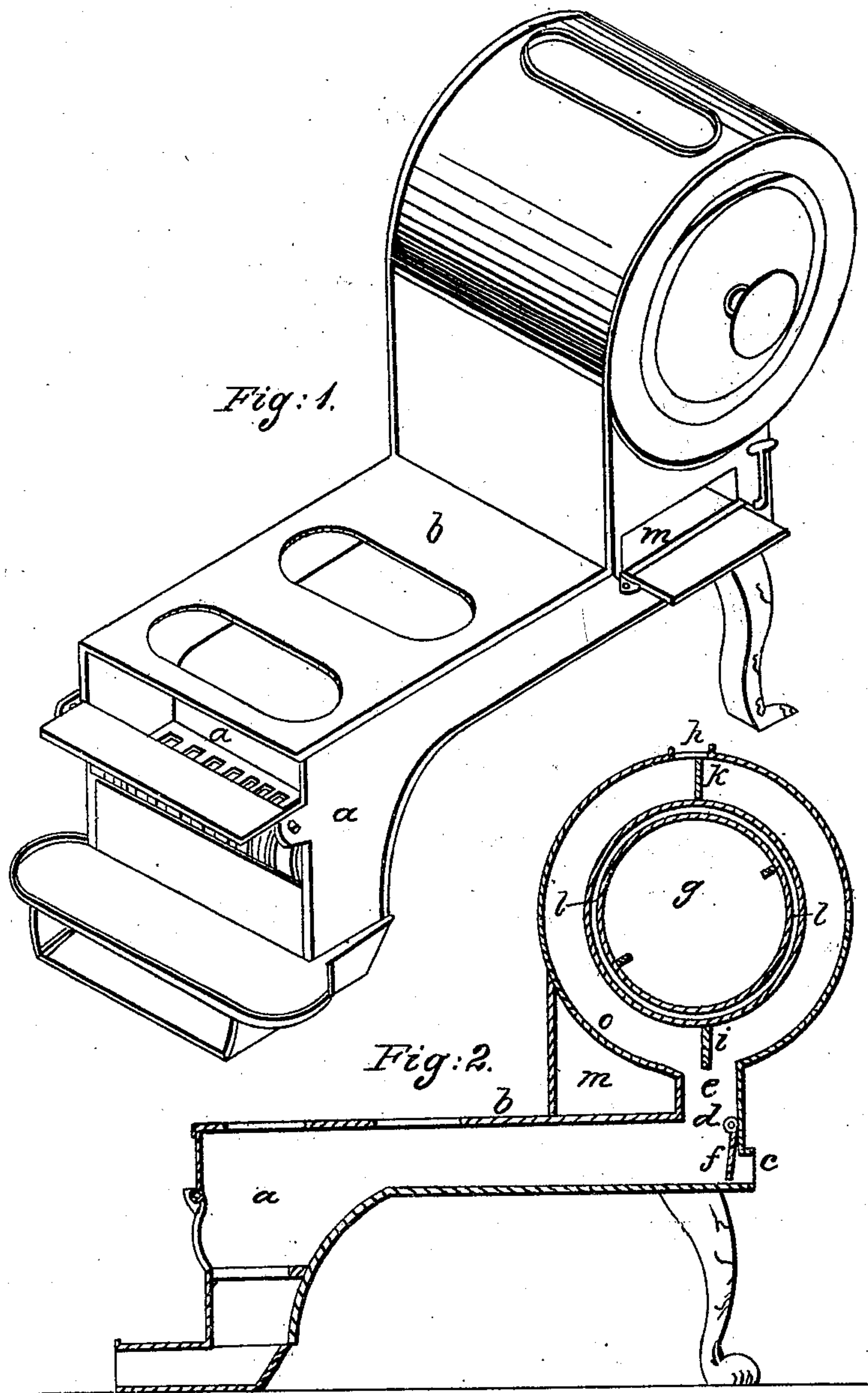


J. LEE,
Cook Stove.

No. 4,520

Patented May 16, 1846.



UNITED STATES PATENT OFFICE.

JOHN LEE, OF WELLSVILLE, OHIO.

COOKING-STOVE.

Specification of Letters Patent No. 4,520, dated May 16, 1846.

To all whom it may concern:

Be it known that I, JOHN LEE, of Wells-
ville, in the county of Columbiana and State
of Ohio, have invented several new and use-
ful Improvements in Cooking-Stoves, and
that the following is a full, clear, and exact
description of the principle or character
thereof which distinguishes them from all
other things before known and of the man-
ner of making, constructing, and using the
same, reference being had to the accompany-
ing drawings, making part of this specifi-
cation, in which—

Figure 1 is an isometrical view, and Fig.
2, a vertical section of the stove.

The same letters indicate like parts in all
the figures.

Heretofore it has been found difficult to
equalize the heat in elevated ovens and in
warm weather to prevent the excessive heat
consequent on the use of cooking stoves, and
a difficulty has also arisen from their flues
clogging with soot so as to prevent their
baking well; and in stoves where the ele-
vated oven is used no provision has been
made independently for roasting. The im-
provements which I have essayed are for
the purpose of remedying these various de-
fects.

In the accompanying drawings (a) repre-
sents the fire chamber of the stove and the
boiler plate at top of common construction;
the flue extends under the top plate *b'* to the
back of the stove passing in its course un-
der the boiler holes and plate (b) and open-
ing at (c) into the chimney or horizontal
pipe that intervenes; in the top plate there
is another opening (d) which is connected
with the elevated oven by a short vertical
pipe (e); a turning damper (f) which
when raised covers the pipe (e) and turns
the draft through (c) into the chimney

when the damper is lowered flue (c) is
closed and (e) opened. From the top of
(e) the flue branches both ways around the
cylindrical elevated oven (g) and a pipe
(h) on the top thereof connects with the
chimney; at the junction of (d) with the
cylindrical flue which surrounds the oven at
(e), there is a stationary plate or scraper
(i) fixed, and at the top where pipe (h)
joins is another scraper (k); these serve
when the oven (g) is revolved to scrape off
the soot. Between the cylindrical flue and
the oven there is another space (l) which
serves to equalize the heat in the oven, so as
to bake more evenly.

In front of the pipe (e) which forms the
back thereof is an oven (m) the top plate of
the stove forming the bottom, and the con-
vex quarter segment of the cylindrical oven
flue, the top of it, the sides and front are
of sheet metal; it serves for roasting meat
or other analogous purposes; to ventilate
this oven holes (o) are made into the flue
of the oven (g) which effects that purpose.

Having thus fully described my improve-
ments, what I claim therein as new and de-
sire to secure by Letters Patent is—

1. Surrounding the elevated oven with an
air chamber between it and the flue in the
manner and for the purpose set forth.

2. I also claim the scrapers (i) and (k)
placed at the junctions of the flues so as not
to impede the draft for the purpose of
scraping the revolving oven as described.

3. I claim the combination of the oven
(m) with the elevated oven and stove, in
the manner and for the purpose herein made
known.

JOHN LEE.

Witnesses:

WM. G. MURDOCK,
K. D. ADAMS.