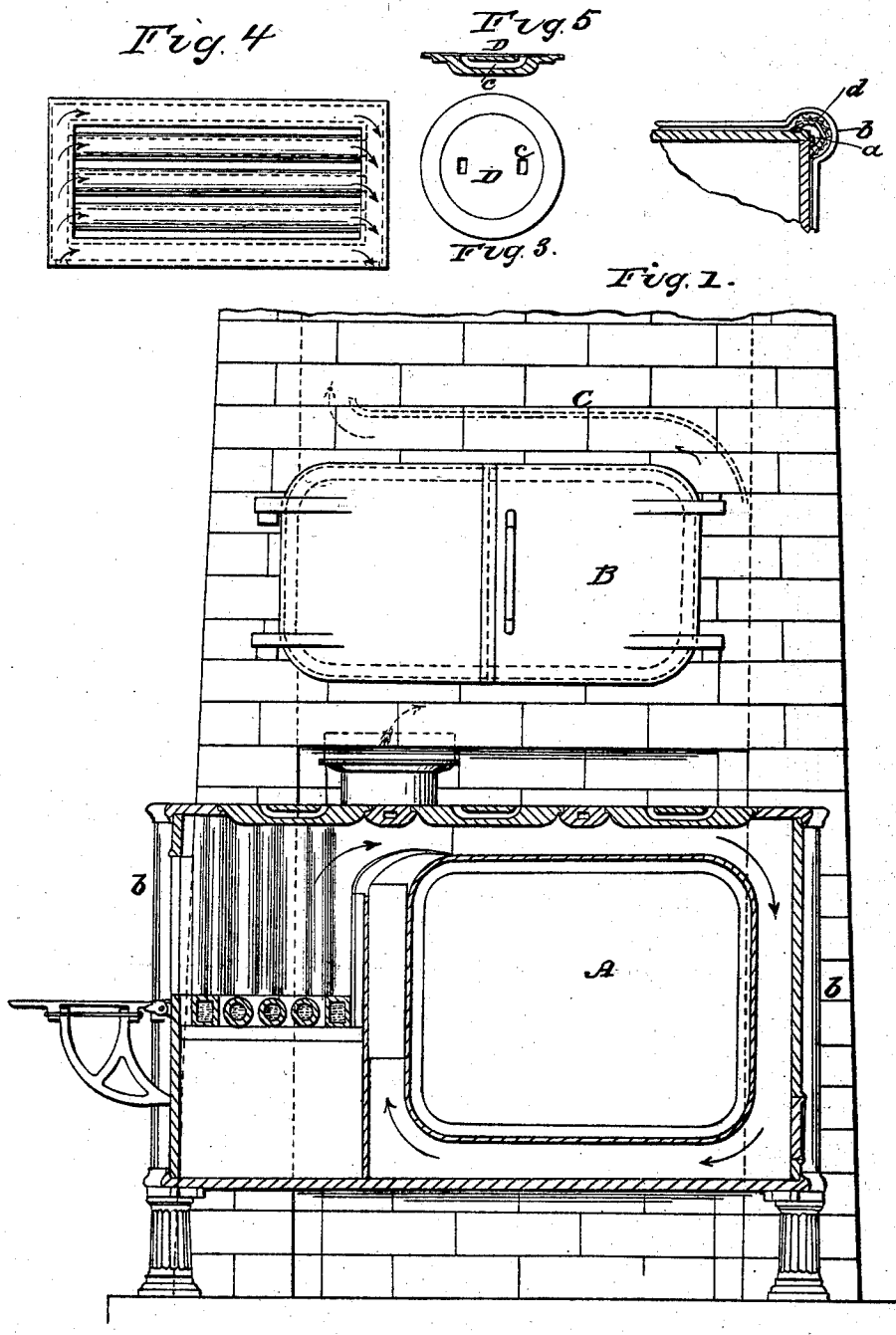


J. MARSHALL.

Cooking Stove.

No. 61,945.

Patented Feb. 12, 1867.



Witnesses

Henry Haller
Horatio Jenkins

Inventor

James Marshall

United States Patent Office.

JAMES MARSHALL, OF NEW ORLEANS, LOUISIANA.

Letters Patent No. 61,945, dated February 12, 1867.

COOKING STOVE.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES MARSHALL, of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented new and useful improvements in Cooking Stoves; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, forming a part of this specification, in which—

Figure 1 is a perspective sectional view of a stove embracing my improvements, the line of bisection being perpendicular.

Figure 2, a sectional view of one corner of a stove, in which is shown my mode of attaching the sides together, the line of bisection in this figure being in a horizontal direction.

Figures 3, 4, and 5, detached views of parts to be particularly described hereafter.

My invention consists in grouping together five distinct improvements, so as to present an arrangement alike economical and convenient in the manufacture and in the use of cooking stoves into which said improvements are introduced; and I distinguish the stove containing said improvements by the name and title of "The Southern Cottage Stove."

Considering them individually, my first improvement consists in filling or attaching the four sides of a stove together without the use of rivets, screw-bolts, or other similar appliances, and to do this I cast a ledge or projection, as seen at *a*, fig. 2, upon the ends of each side, so that when the columns *B*, which are cast with one side open, as seen in same figure, are in place, the sides are firmly held, without other or additional fastening, by the said columns. An inspection of fig. 2 will at once show this, without further explanation.

My second improvement consists of a wrought-iron oven, *A*, which, instead of being constructed in the usual square form, I curve or round at the corners, and thus insure a very great increase of draught.

My third improvement consists in the substitution of hollow grate-bars for the ordinary solid bars, for the double purpose of saving them from the injurious effects of the fire, and of more rapidly heating the water which passes through them in the direction of the arrows, or rather as indicated by the arrows in fig. 4.

My fourth improvement consists in the introduction of a wrought-iron oven in the chimney of the stove, as seen at *B*, fig. 1, with plate above it, as seen at *C*, fig. 1, so arranged as to cause the flame or heat to come into direct contact with three sides thereof, as is clearly illustrated by the arrows in fig. 1 of the drawings. In this oven articles of food, after being cooked, may be kept warm for an indefinite space of time, with a very slow fire in the stove. The usual device for removing the lids or covers of stoves is a wire inserted across a recess in the top thereof, under which the handle is inserted. These wires frequently break or bend, and thus come out of their place, and hence are the source of occasional annoyance and trouble.

My fifth improvement looks to the superseding of wire, and other equivalent appliances, and it consists in casting an opening, *c*, in the lids, as shown at figs. 3 and 5, into which the handle may be inserted under the bar *D*, which is a part of the lid or casting.

I do not claim any of the parts of my stove separately considered, nor the combination of said parts, excepting when they are arranged with relation to each other, substantially as described herein, and shown upon my drawings; but having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the columns *b* and ledges *a* with the oven *A*, hollow grate-bars, the oven *B*, and openings *c*, when covered by a cast cross-bar, *D*, when these several parts are constructed and relatively arranged with respect to each other as described, for the purpose set forth.

JAMES MARSHALL.

Witnesses:

A. HERO, Jr.,
JAS. GRAHAM.