

W. G. FLANDERS.
Steam Cooking Kettle.

No. 198,095.

Patented Dec. 11, 1877

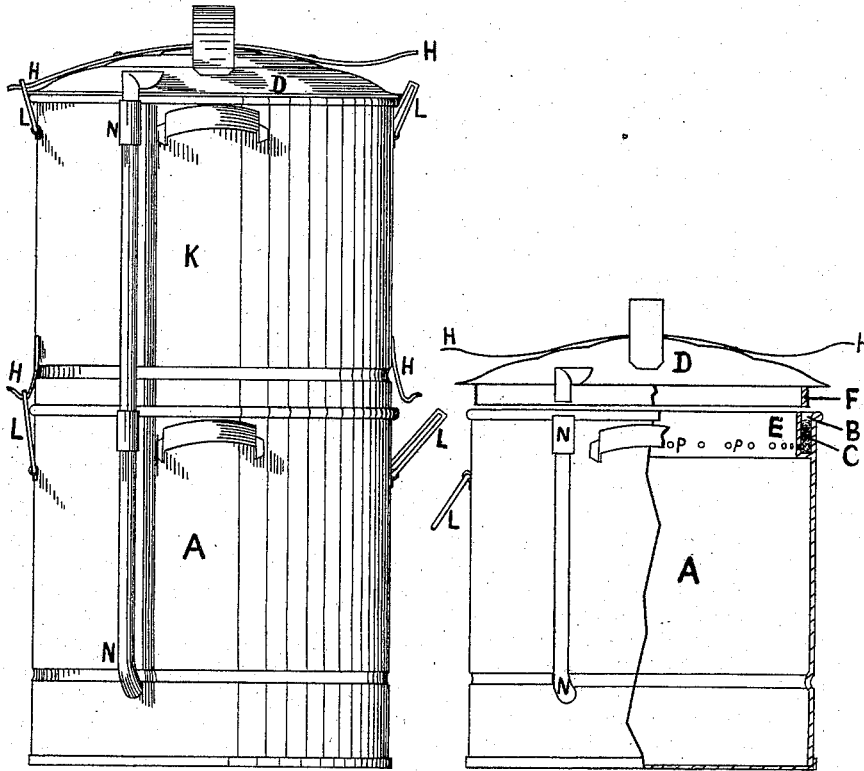


Fig. 1.

Fig. 2.

Witnesses:

Clinton Wiley
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UNITED STATES PATENT OFFICE.

WILLIAM G. FLANDERS, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN STEAM COOKING-KETTLES.

Specification forming part of Letters Patent No. **198,095**, dated December 11, 1877; application filed October 30, 1877.

To all whom it may concern:

Be it known that I, WILLIAM G. FLANDERS, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Steam Cooking-Kettles, of which the following is a specification:

The object of my invention is to provide a means for connecting or securing the top or cover and the detachable parts or sections together temporarily, or while in use for cooking purposes, so as to prevent the escape of steam from such joints, and thereby prevent odors from the food being cooked entering the apartment or room where such cooking is performed; and it consists in the construction, combination, and arrangement of the parts forming the connection of the cover with the mouth or rim of the boiler or culinary vessel, so as to render the joints steam-tight by means of a suitable groove around the top or mouth of such boiler or vessel, and the arrangement therein of a suitable packing, to receive the edge of the top portion or cover, which usually fits within the same; and it further consists of suitable spring-hooks and loops attached at opposite sides of the boiler, vessel, and covers, which may be clasped or hooked together, so as to cause the parts to bear upon the packing, so as to form a steam-tight joint, as hereinafter more fully described and set forth.

Figure 1 is a perspective view of my invention as applied to a steam cooking-kettle. Fig. 2 is a vertical section of a boiler, showing the packing-rim at its mouth.

A represents a boiler or culinary vessel, constructed of tin or other suitable material, to the inside of the mouth of which is secured the flange or rim-piece E, which projects inward and upward, so as to form a groove, B, in connection with the top of the sides of the vessel A. Into this groove B is inserted a soft cotton cord, C, or other suitable packing material. D is the cover, having the usual downward projection or flange F, which, when closed upon the top of the boiler or culinary vessel A, rests upon the packing-cord C, and is held in position, so as to press tightly upon the same, by a spring or spring-hooks, H, and

loops L, which are secured to the several parts as shown—the latter by hinge-joints, which allow them to be removed from the hooks or spring ends, and turned downward, so as to allow the cover or parts to be removed from each other when desired.

The extension or upper portion K of the culinary vessel or steam-kettle has its mouth provided with a flange, groove, and packing, identical with the boiler A, so that the cover D will fit upon the top or mouth of either, as circumstances may require.

A series of holes, P, in the flanges or rims E allow the water of condensation to pass back into the boiler or culinary vessel A.

The steam-exit tubes N, being described and claimed in a previous patent granted to me, I will not refer to them here, as they form no part of the present invention; and as my invention may be applied to common wash-boilers as well, I will omit several features shown in the drawing without further description in detail.

It will be seen that the exit-steam tubes N allow steam and objectionable odors to pass downward through the same into the stove or range upon which the boiler or culinary vessel A may be placed while in use for cooking, by either steaming or boiling, or both combined.

Having thus described my invention, what I claim is—

1. In combination with the boiler A, having the flange E, groove B, packing C, and cover D, having the projection F, the spring-hooks H and loops L, or their equivalents, all being constructed and arranged to operate substantially in the manner described, as and for the purposes set forth.

2. In combination with the boiler A, having the flange E, groove B, and packing C, spring-hooks H and loops L, the detachable upper portion K, having the flange E, groove B, packing C, spring-hooks H, and loops L, all arranged substantially as described, as and for the purposes set forth.

WILLIAM G. FLANDERS.

Witnesses:

MARSHALL E. HATCH,
NATHAN E. REED.