

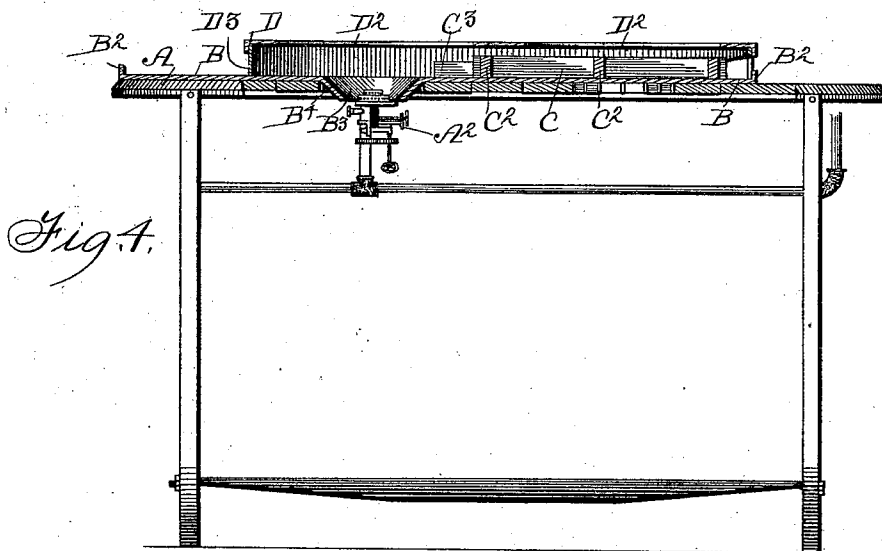
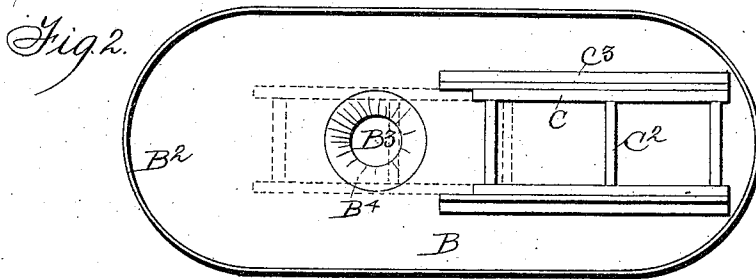
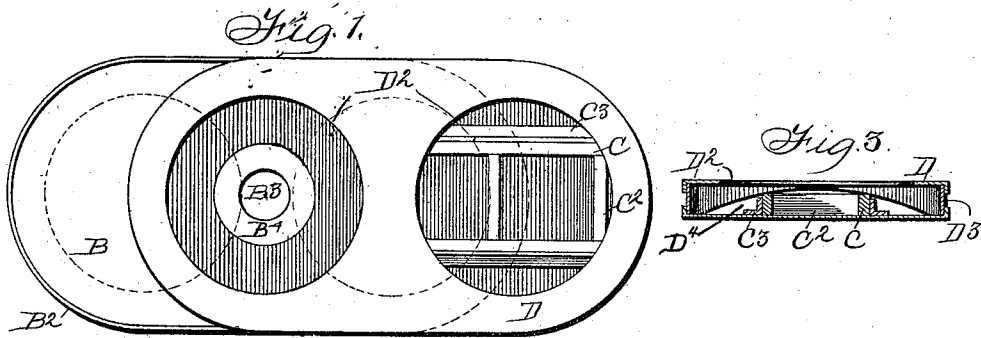
(No Model.)

W. A. WAY.

ATTACHMENT FOR VAPOR BURNING STOVES.

No. 575,017.

Patented Jan. 12, 1897.



Witnesses: } Inventor: William A. Way.
R. J. Orwig, }
W. J. Sankey, }
By Thomas G. and J. Ralph Orwig, }
Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM A. WAY, OF IOWA FALLS, IOWA.

ATTACHMENT FOR VAPOR-BURNING STOVES.

SPECIFICATION forming part of Letters Patent No. 575,017, dated January 12, 1897.

Application filed January 9, 1896. Serial No. 574,925. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. WAY, a citizen of the United States of America, residing at Iowa Falls, in the county of Hardin and State of Iowa, have invented an Attachment for Vapor-Burning Stoves, of which the following is a specification.

My object is to provide an attachment adapted to be advantageously used for cooking in one vessel over a single burner and also adapted for cooking in two distinct vessels at the same time over one burner and I accomplish the results contemplated as hereinafter set forth, pointed out in my claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a top view of the two separable parts of the device. Fig. 2 is a top view of the under part adapted to be placed flat upon the top of a stove in such a manner that a flange around an opening will project through an opening in the stove to surround a burner. Fig. 3 is a transverse section of the end portions of the two separable parts and shows an opening in the end of the upper adjustable and removable part adapting the complete attachment to serve as a flue in directing the products of combustion from the burner through the attachment when two distinct vessels are placed upon the attachment and the top opening therein closed by the vessels. Fig. 4 is a vertical longitudinal section of a stove and the attachment in position thereon as required for practical use.

The letter A designates a vapor-burning stove, and A² a burner.

B represents the under part and main portion of the attachment, and consists of a flat plate having an upturned flange B² and a single circular opening B³ near one end and a flange B⁴, extending downward from the opening to inclose the burner A² for the purpose of directing the products of combustion into the attachment.

A frame or rack composed of parallel side pieces C and cross-pieces C², fixed thereto, is fitted in a track composed of parallel bearings C³, fixed on top of the plate B to serve as supports upon which the flat bottoms of vessels may rest in such a manner that the products of combustion can pass under and

around vessels placed upon the sliding frame and fixed bearings.

D represents the upper part of the complete device, and consists of a metal plate that has two openings D² and a downward-projecting continuous flange D³, that will rest upon the flat top of the part A to produce a chamber corresponding with the dimensions of the part D, that may be closed by means of vessels or cooking utensils placed in or over the openings in its top, so that the products of combustion will be confined as they pass through the chamber toward the opening D⁴ in the end of the adjustable and removable upper part of the attachment.

In the practical use of my invention, when placed upon a stove for cooking in two vessels at the same time, I slide the rack or frame C over the opening that admits the heat from the burner, as directed by the flange B⁴, and place the flat bottom of a vessel thereon, so that the heat will circulate under and around the vessel, and also place a second vessel on the fixed bearings that secure the sliding frame to the under part A. The vessels practically close the openings in the top of the part D, so that the heat is confined under and around the vessels as it is directed from the burner through the attachment.

It is obvious when only one vessel is used it can be suspended in the opening of the upper part D immediately over the burner, or fitted in the opening so as to allow it to rest upon the sliding frame C when that frame is required to support the vessel close to the burner. It is also obvious that when a large vessel is placed in or over the opening in the upper part D immediately over the burner, to be suspended by said upper part and to close the opening, a smaller vessel can be placed in the second opening in the part D, and supported upon the rack C so as to allow the products of combustion to circulate under and around it, and thus utilize the device for simultaneously cooking two kinds of food in two vessels differing in size and adapted for cooking different quantities in the respective vessels. It is also obvious that two vessels of uniform diameter from top to bottom may be placed through the openings of the top part D and practically close them, and at the same

time be retained in elevated positions relative to the under part B by means of the sliding frame C and its fixed bearings in such a manner that the products of combustion will
5 be confined below the upper part D and lower part B, as required to circulate heat under and around both vessels advantageously as the current moves from the burner at one end of the closed chamber toward the opening D¹ in its other end in the upper part D.
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I claim as my invention—

An attachment for vapor-burning stoves consisting of a flat plate or under part having an opening at one end portion and a flange

around the opening to project down through 15 an opening in the top of a stove to inclose a burner, fixed bearings for a sliding frame at the other end portion and a sliding frame fitted in said bearings, and a movable upper part having a downward-projecting flange 20 around its edge, two openings, for vessels, in its top and an opening in one end for the escape of products of combustion, to operate in the manner set forth, for the purposes stated.

WILLIAM A. WAY.

Witnesses:

H. C. MILLER,

GEO. A. COURTNEY.