

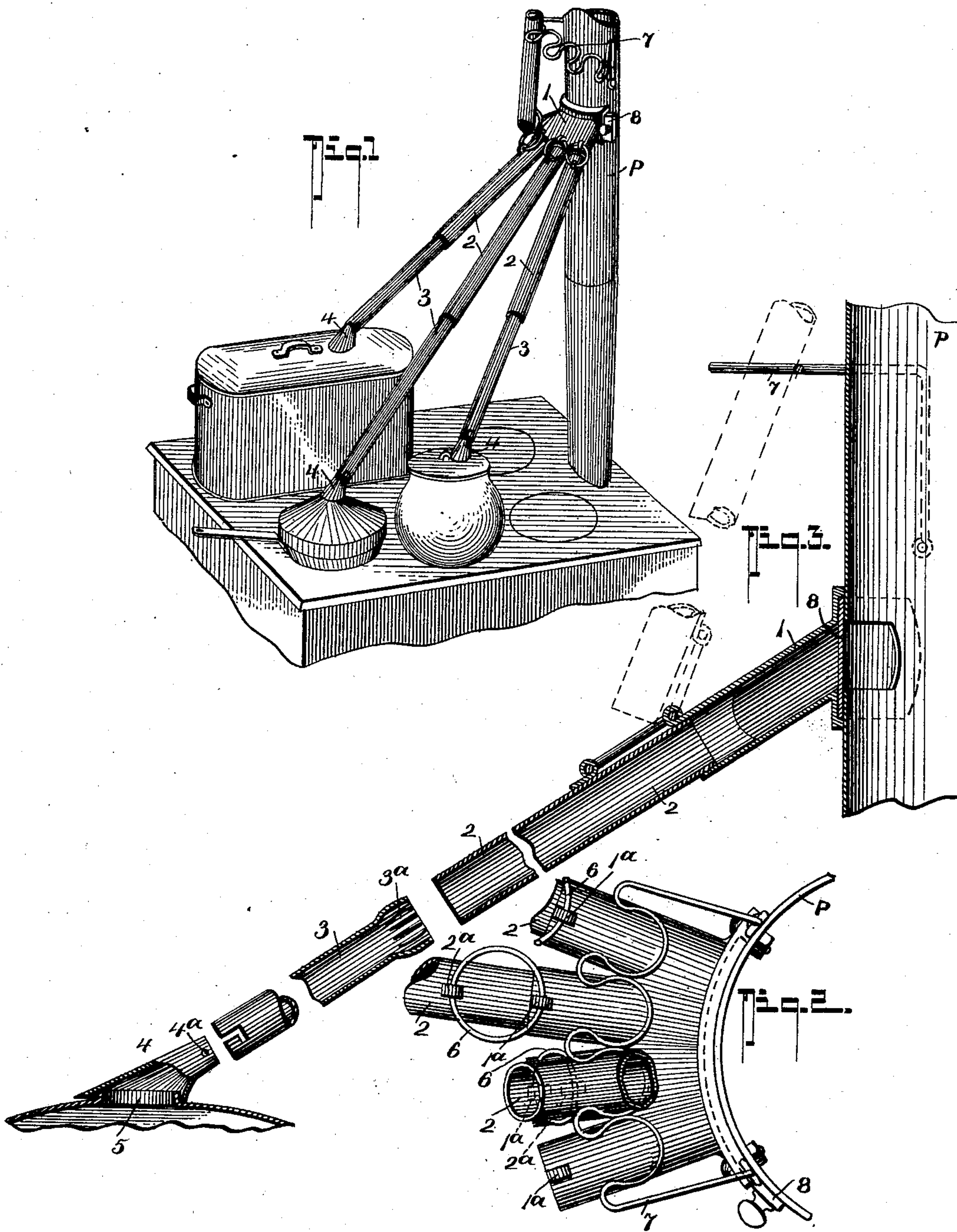
No. 699,068.

Patented Apr. 29, 1902.

A. D. BENTLEY.
VENTILATOR FOR COOKING VESSELS.

(Application filed Aug. 20, 1901.)

(No Model.)



WITNESSES:

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ALFRED DAVENPORT BENTLEY, OF VANCOUVER, CANADA.

VENTILATOR FOR COOKING VESSELS.

SPECIFICATION forming part of Letters Patent No. 699,068, dated April 29, 1902.

Application filed August 20, 1901. Serial No. 72,672. (No model.)

To all whom it may concern:

Be it known that I, ALFRED DAVENPORT BENTLEY, a citizen of the Dominion of Canada, residing at Vancouver, in the Province of British Columbia, Canada, have invented a new and useful Ventilator for Cooking Vessels, of which the following is a specification.

My invention relates to an improved method of ventilating cooking vessels by conveying the vapor from them to the stovepipe; and my device is designed to connect the lid of each pot or pan on the stove-plate by a separate pipe to a branched attachment connected to the stovepipe. I make such pipes telescopic, so as to be easily adjusted to the various positions of pot or pan on the stove-plate, and I secure them in such a manner to the branched connection that they may be readily lifted clear and fixed out of the way when not in use. I attain these objects by the means illustrated in the accompanying drawings, in which—

Figure 1 is a general arrangement showing the application to an ordinary cooking-stove; Fig. 2, an enlarged detail plan of the branched stovepipe connection and the spring-clip for sustaining the pipes when out of use, and Fig. 3 is an enlarged detail of one of the telescopic pipes detached.

Suitably secured to the stovepipe P and in connection with an opening therein at a convenient height from the top plate of the stove is the connection 1, having a number of branches to suit the requirements of the stove.

The telescopic pipes are each composed of two lengths 2 and 3, the lower one, 3, having its end 3^a, which slides within 2, cut in a series of slits and expanded slightly, so as to oppose a frictional resistance within it and prevent it from sliding too freely in or out.

At the lower end of 3 the enlarged piece 4 is attached by the pins 4^a engaging in a bayonet-clutch on each side. This enlarged piece 4 is adapted to rest over an opening 5, provided in the pot-lid, which opening has an upwardly-turned lip to engage it. The steam or vapor of cooking is thus conveyed from the pot to the chimney. The piece 4 may be readily changed to suit the varying requirements of the different pans.

The pipes 2 are connected to the branch connection 1 by means of a link 6, attached

to the loops 2^a 1^a on pipe and branch, respectively, and the pipe may when not required be withdrawn from the branch 1 and swung up and secured to the spring-clip 7, which holds the pipes out of the way when not required.

A damper 8 is provided in the branch piece 1, so that the draft may be modified or shut off altogether.

I am aware that prior to my invention attempts have been made to attain the same result in a similar manner; but they have generally been unhandy and cumbersome where more than one tube is required, and they have not been able to readily disengage and sustain the tubes out of the way.

I cannot claim as new the use of independent tubes to each pot or pan; but

What I do claim, and desire to be protected in by Letters Patent of the United States, is—

1. In a device of the class described, the combination with the lid of a pot or pan of an opening in the top thereof having an upwardly-turned edge; a funnel to rest on the outside of such edge; a length of pipe detachably connected to the funnel; a split and expanded end on the pipe; a second length within which the last slides; a branched connection attached to the stovepipe; a link connection between the pipe and its branch; a damper within the united part of the branched connection; a spring-clip above the branched connection, substantially as described.

2. In a device of the class described; in combination with a series of tubes, each communicating with an opening in the lids of cooking vessels on a stove, a branched member attached to the stovepipe to which the several pipes are connected; a linked connection between each pipe and its branch; a spring-clip above the branched member to engage each pipe when not in use; and a damper in the united part of the branch member, substantially as described.

3. As an attachment to a cooking-stove, a hollow member having a series of branching outlets attached over an opening in the stovepipe; a damper in the united part of such hollow member; a series of telescopic pipes, one to each branch; a link connection between each branch and pipe; a split and ex-

panded end on each lower pipe to slide with-
in the upper; notched detents on the lower
ends of each lower pipe; funnel-shaped pieces
adapted to rest over openings in the pot-lids,
5 and pins on the upper ends of such funnel-
shaped pieces to engage and hold in the de-
tents, substantially as described.

In testimony whereof I have hereunto signed
my name to this specification in the presence
of two subscribing witnesses.

ALFRED DAVENPORT BENTLEY.

In presence of—

ROWLAND BRITAIN,
ELLICE WEBBER.