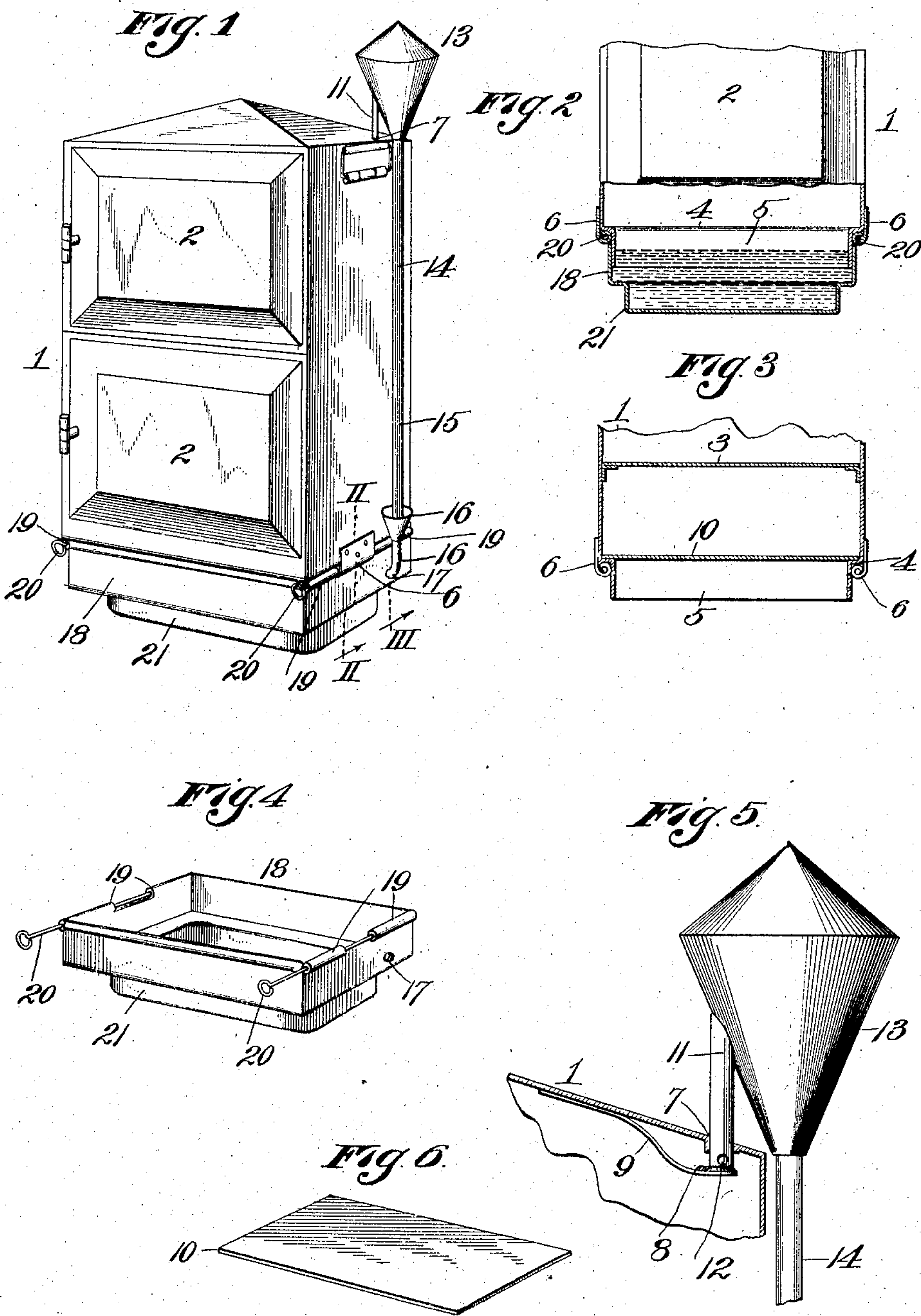


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A. ANSCHUTZ & L. T. WAHL.
COMBINATION STEAM COOKER AND BAKE OVEN.

APPLICATION FILED MAR. 24, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

AUGUST ANSCHUTZ AND LEON T. WAHL, OF KANSAS CITY, MISSOURI.

COMBINATION STEAM-COOKER AND BAKE-OVEN.

SPECIFICATION forming part of Letters Patent No. 780,631, dated January 24, 1905.

Application filed March 24, 1904. Serial No. 199,694.

To all whom it may concern:

Be it known that we, AUGUST ANSCHUTZ and LEON T. WAHL, citizens of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Combination Steam-Cookers and Bake-Ovens, of which the following is a specification.

This invention relates to combined steam-cookers and bake-ovens, and has for its object to produce a device of this character which can be easily and quickly transformed from a steam-cooker into a dry-heat baker, or vice versa, which operates efficiently, and which is of simple, strong, durable, and cheap construction.

To this end the invention consists in certain novel and peculiar features of construction and combinations of parts, as hereinafter described and claimed, and in order that it may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 is a perspective view of a device embodying our invention when arranged as a steam-cooker. Fig. 2 is a section on the line II II of Fig. 1, said figure also showing a portion of the device in elevation. Fig. 3 is a section on the dotted line III to show the device as used as a bake-oven. Fig. 4 is a detail perspective view of the water-vessel attachment for the device when used as a steam-cooker. Fig. 5 is an enlarged vertical section of the top portion of the casing. Fig. 6 is a detail perspective view of the bottom used for baking.

In the said drawings, 1 designates a casing, preferably of rectangular form and provided with a plurality of doors 2 and a series of shelves 3, which shelves are not adapted to completely partition the casing, though their special construction forms no part of our invention. At its lower end the casing is contracted to produce a horizontal shoulder 4 and walls 5, depending from said shoulder, and underlying said shoulder and depending externally from the casing are loops 6. The top of the casing at a suitable point is provided with a flanged opening 7, closed when the device is used as a bake-oven by a valve 8, carried by a spring 9 or its equivalent. When

used as a bake-oven, an imperforate shelf 10 is introduced through the lower door-opening and fitted down upon the shoulder 4, so that bread or any other article may be placed thereon and brought close to the stove or other generator of heat upon which the device is placed. When the device is used as a steam-cooker, the valve is depressed by the short pipe 11, extending down through opening 7 and perforated, as at 12, to receive steam and conduct it to the steam-condenser 13, from which said pipe 11 depends, a drainage-tube 14 extending down from the condenser and communicating with a funnel 15, having a drainage-tube 16 extending through a hole 17 in the end wall of the vessel, 18 said tube projecting into the vessel below the wall 5 and delivering into the vessel, it being understood, of course, that the water-level is above the bottom of wall 5, so that all of the steam generated will rise through the casing and practically none of it escape from between the casing and the vessel. The vessel 18 is of size and form to snugly embrace the depending wall 5 of the casing and is united rigidly to the latter by means of loops 19, registering with loops 6, and locking-rods 20, extending through said registering loops. The vessel is furthermore provided with a depending portion 21, formed of copper, by preference. When used as a steam-cooker, the steam generated in the vessel 18 passes up through the casing and cooks the contents of the vessels (not shown) upon the shelves. Eventually the steam passes through aperture 12 into pipe 11 and thence to the condenser, where it returns in the form of water to the vessel 18. By thus condensing the steam as it escapes it is obvious that the water originally placed in the vessel will not need replenishing with the same frequency that it would if the steam were permitted to escape to the atmosphere.

From the above description it will be apparent that we have produced a steam-cooker and bake-oven possessing the features of advantage enumerated as desirable in the statement of the object of the invention and which may obviously be modified in some particulars without departing from its spirit and scope or sacrificing any of its advantages.

Having thus described the invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A casing having its lower end contracted
5 to form a shoulder and a wall depending from the shoulder, and having an opening in the upper part of the casing, a vessel externally embracing said wall and detachably secured in such position, a condenser provided with a
10 tube depending through the opening in the upper portion of the casing, and provided with a drainage-tube, and a tube extending through the vessel and adapted to receive the water from the drainage-tube and deliver it
15 into the vessel.

2. A casing having its lower end contracted to form a shoulder and a wall depending from the shoulder having an opening in the upper

part of the casing, and a spring-pressed valve
to close said opening, a vessel externally em- 20
bracing said wall and detachably secured in such position, a condenser provided with a tube depending through the opening of the casing and unseating said valve and having
an aperture between the valve and said open- 25
ing, and provided with a drainage-tube, and a tube extending through the vessel and adapted to receive the water from the drainage-tube and deliver it into the vessel.

In testimony whereof we affix our signatures 30
in the presence of two witnesses.

AUGUST ANSCHUTZ.
LEON T. WAHL.

Witnesses:

H. C. RODGERS,
G. Y. THORPE.