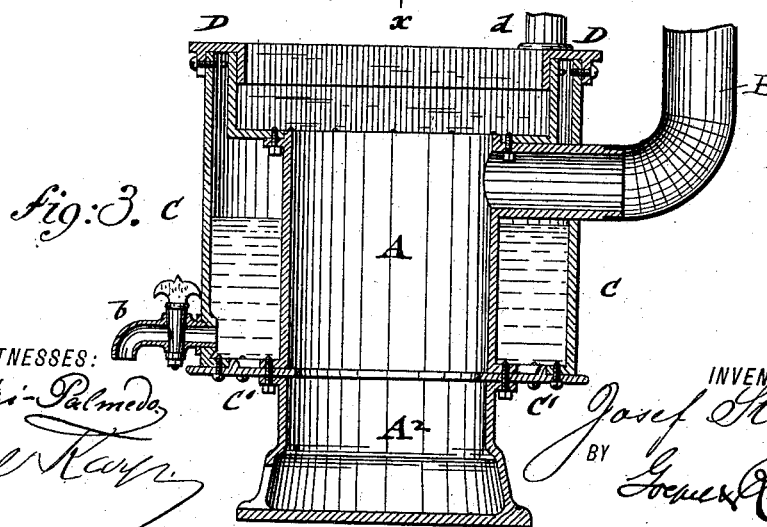
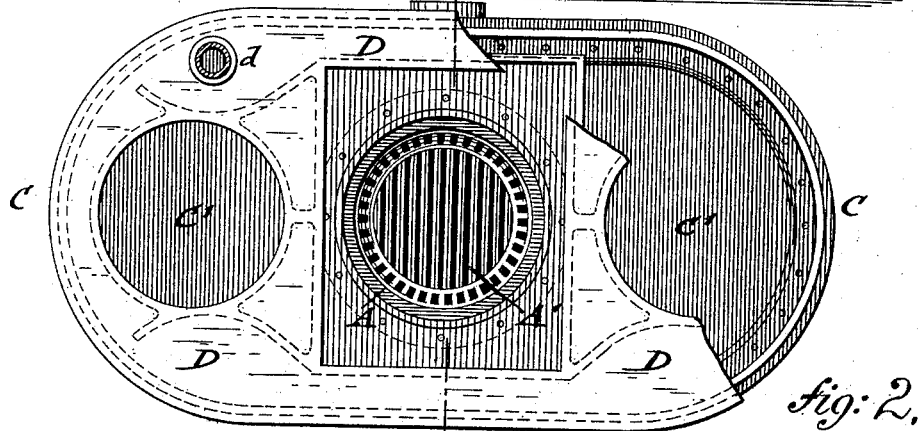
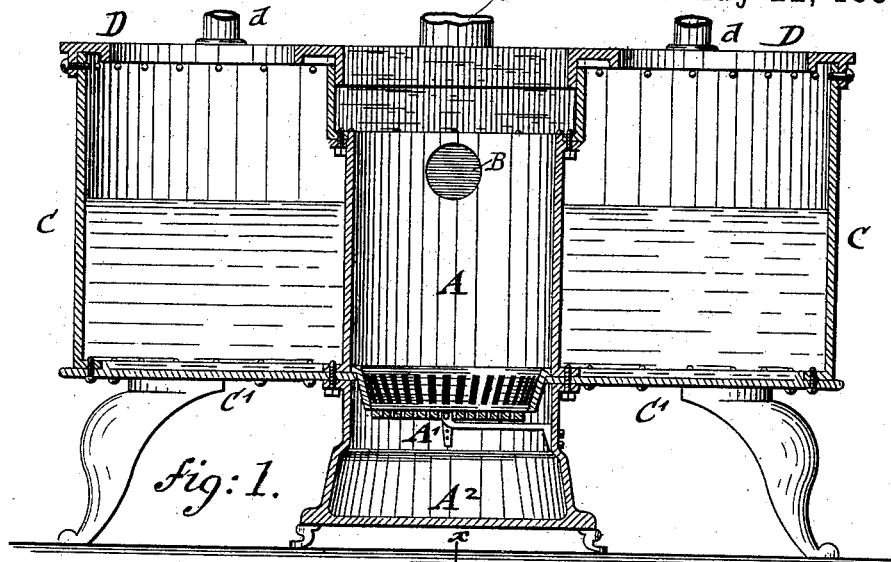


(No Model.)

J. STRUPP.  
COOKING STOVE.

No. 383.418.

Patented May 22, 1888.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

JOSEF STRUPP, OF NEW YORK, N. Y.

## COOKING-STOVE.

SPECIFICATION forming part of Letters Patent No. 383,418, dated May 22, 1888.

Application filed June 18, 1887. Serial No. 241,713. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEF STRUPP, of the city, county, and State of New York, have invented certain new and useful Improvements in Cooking-Stoves, of which the following is a specification.

This invention relates to an improved cooking-stove in which, besides the direct heat of the fire, the heat of steam generated by said fire is employed for cooking purposes, whereby the loss of heat caused by radiation is prevented and a more perfect utilization of the fuel obtained.

The invention consists of a cooking-stove, which is provided at the center with a fire-pot and an ash-pit below the same and surrounded by a water receptacle or tank that is covered by a top plate having openings for the cooking-vessels and steam-escape pipes, the side and bottom walls of the tank being tightly connected with each other and with the central fire-pot, to prevent leakage of water from the tank.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of my improved cooking-stove. Fig. 2 is a plan of the same, with a part of the top plate broken away; and Fig. 3 is a vertical transverse section of the stove on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts.

At the center of my improved cooking-stove is arranged a cylindrical fire-pot, A, which is provided with a grate, A', of any approved construction, and below the same with an ash-pit, A<sup>2</sup>. The smoke-pipe B is connected to the upper part of the fire-pot A. The fire-pot A is surrounded entirely by a water-tank, C, which is preferably of a greater length at both sides of the fire-pot than at the front and rear of the same, and rounded off at the ends, as shown in Fig. 2. The side wall of the water-tank C is tightly secured by a bottom flange and a suitable packing to the bottom plate, C', of the tank, said bottom plate being also applied in a water-tight manner to the flanged abutting edges of the fire-pot and ash-pit, the parts being connected together by a number of bolts or nuts. The top plate, D, is also

bolted by an exterior flange to the upper edge of the side wall of the tank C, and provided with an oblong center opening above the fire-pot for the roasting-pan, and with round openings at both sides of the same for the cooking-vessels. The upper part of the fire-pot A is extended at the front and rear, forming the roasting-chamber for the roasting-pan, as shown in Fig. 3. The top plate, D, is provided with two steam-escape pipes, *d d*, by which the steam is conducted off to the chimney.

By the heat of the fire-pot the water in the tank C is heated and steam generated, the heat of which cooks the vegetables or other eatables in the cooking-vessels. The surplus steam escapes through the escape pipe, so that there is no extra pressure on the walls of the tank, and consequently no danger of bursting the same. The water is replenished from time to time, it being filled up to a point below the lower part of the smoke-pipe and drawn off, whenever hot water is needed, through a faucet, *b*. The stove permits the full utilization of the heat of the fuel and produces a moist and pleasant heat in the room where it is located. It furnishes hot water whenever the same is required and is very economical in fuel, as no heat is lost by radiation, but utilized for generating steam. The stove is specially adapted for tenement-houses and other places which have no range-boilers or other expensive connections with the fire-place of the stove.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of a stove-body comprising a water-tank, a fire-pot disposed centrally within said tank, a top plate provided with a central opening opposite the fire-pot and with openings opposite the tank, and a roasting-chamber at the top of the fire-pot below said top plate, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JOSEF STRUPP.

Witnesses:

PAUL GOEPEL,  
SIDNEY MANN.