

(No Model.)

G. LAUBE.  
STRAW BURNING COOK STOVE.

No. 422,951.

Patented Mar. 11, 1890.

Fig. 1.

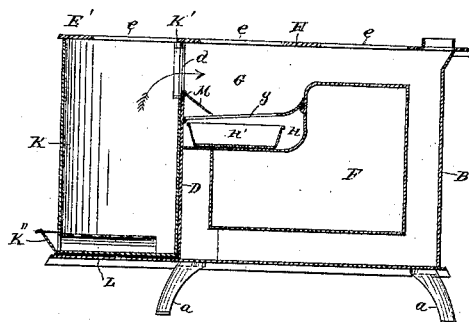


Fig. 2.

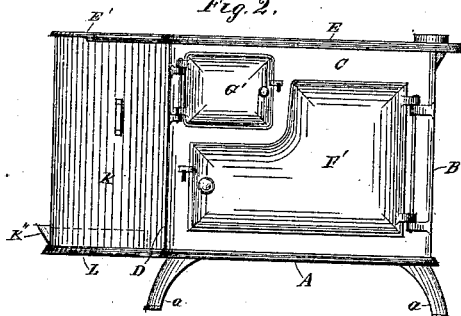
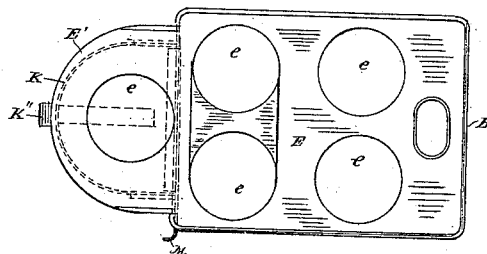


Fig. 3.



Witnesses  
A. H. Opsahl,  
Emma F. Elmore,

Inventor.  
Godfried Laube  
By his Attorney  
Jas. F. Williamson

# UNITED STATES PATENT OFFICE.

GODFRIED LAUBE, OF HURON, (DAKOTA TERRITORY,) SOUTH DAKOTA.

## STRAW-BURNING COOK-STOVE.

SPECIFICATION forming part of Letters Patent No. 422,951, dated March 11, 1890.

Application filed May 13, 1889. Serial No. 310,594. (No model.)

*To all whom it may concern:*

Be it known that I, GODFRIED LAUBE, a citizen of the United States, and a resident of Huron, Beadle county, Territory of Dakota, have invented a certain new and useful Improvement in Straw-Burning Cook-Stoves, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to provide a cooking-stove of simple construction, which will permit the use of straw or hay as fuel or burn wood or coal in the customary way. Such stoves are especially designed to meet the demands and necessities of a prairie country, where wood and coal are scarce and hay and straw are usually abundant.

In carrying out my invention I employ the ordinary low-oven stove-body, having a fire pot and grate for wood and coal, and make certain features of an especial construction for the application of a straw-burner. To this end the top plate of the stove-body is extended a considerable distance beyond the fire-pot, and the front vertical wall is provided with an opening directly under the top plate leading into the fire-pot. The straw-burner is in the form of a magazine, having a draft-tube in its bottom and an opening in its top or side adapted to register with the opening in the front of the stove-body and burn the straw or hay from the top downward against the draft. The magazine may be supported in position in any suitable way. A relay of magazines is provided in order to afford a continuous fire.

In the drawings I have shown my preferred construction, therein like letters referring to like parts.

Figure 1 is a vertical section from front to rear, Fig. 2 a side elevation, and Fig. 3 a plan, of a stove embodying my invention.

A, B, C, D, and E are respectively bottom, back, side, front, and top plates of the stove-body.

a are the supporting-legs.

F is the oven, and F' the doors of the same.

G is the fire-pot, with grate-bars g and doors G'.

H is the ash-pit, and H' the ash-pan therein.

The front wall D is provided with an opening *d* directly under the top plate and leading over the fire-pot. The top plate E is provided with a forward extension E', extending to a considerable distance from the front wall.

e are pot-holes in the top plate E.

K is the straw-burning magazine, which is preferably semi-cylindrical in form, having an open top and cut away on its flat side at its top end, so as to form an opening K'. It is also provided at its bottom with a draft-tube K'', for the admission of air.

L is a shelf or platform for holding the magazine in position, of any suitable construction. As shown, it is formed integral with the bottom plate of the stove and extends outward a like distance with the top-plate extension. The magazine rests on the shelf L and fits against the under side of the top-plate extension E', with its opening K in registration with the opening *d* in the front wall of the stove. A suitable means is provided for closing the opening *d* in the front wall of the stove when the stove is used for wood or coal as fuel. I show for the purpose a pivoted plate M.

It will be noted that the top-plate extension is provided with a pot-hole for the application of a cooking utensil directly over the top of the straw-burning magazine.

The operation is evident from the description already given.

When straw or hay is used, the magazine is placed in position and the fire lighted at the top. In this manner the combustion is downward in the magazine against the draft and the flames and heated gases are thrown directly in contact with the cooking utensils.

When it is desired to use wood or coal, the magazine is removed and the opening *d* closed by turning up the plate M.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

A cooking-stove adapted to the use of straw, hay, wood, or coal as fuel, consisting, essentially, of a suitable stove-body having a wood and coal fire-pot, and a baking-oven

constructed with an extended top plate and having an opening in its wall leading to the pot-flues, and a removable straw or hay burning magazine adapted to fit against the under side of said extended top plate and having an opening adapted to register with said opening in the plate of the stove-body leading to the pot-flues, substantially as described.

GODFRIED LAUBE.

In presence of—  
FRED FORCHT,  
FRED H. PARKS.