

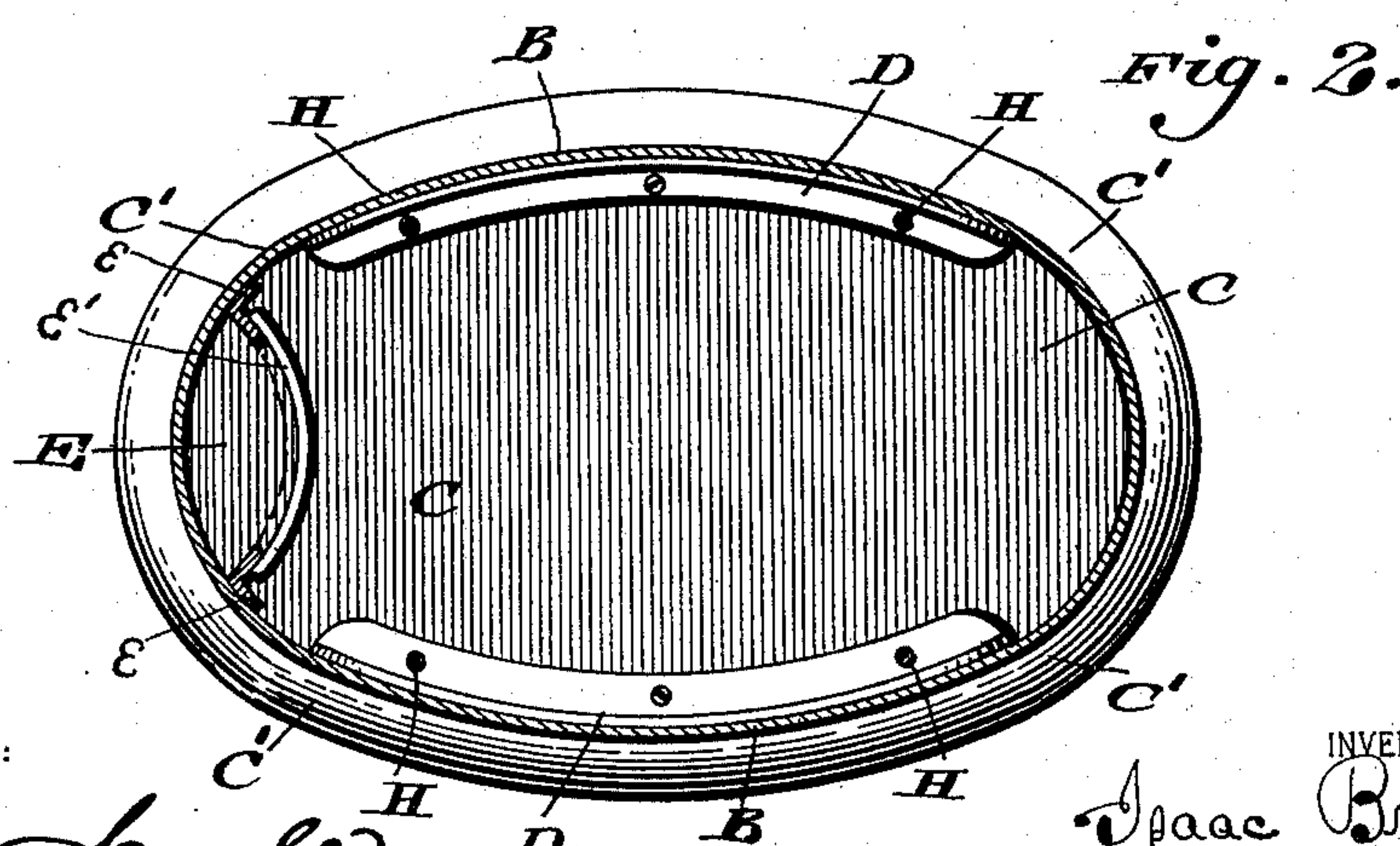
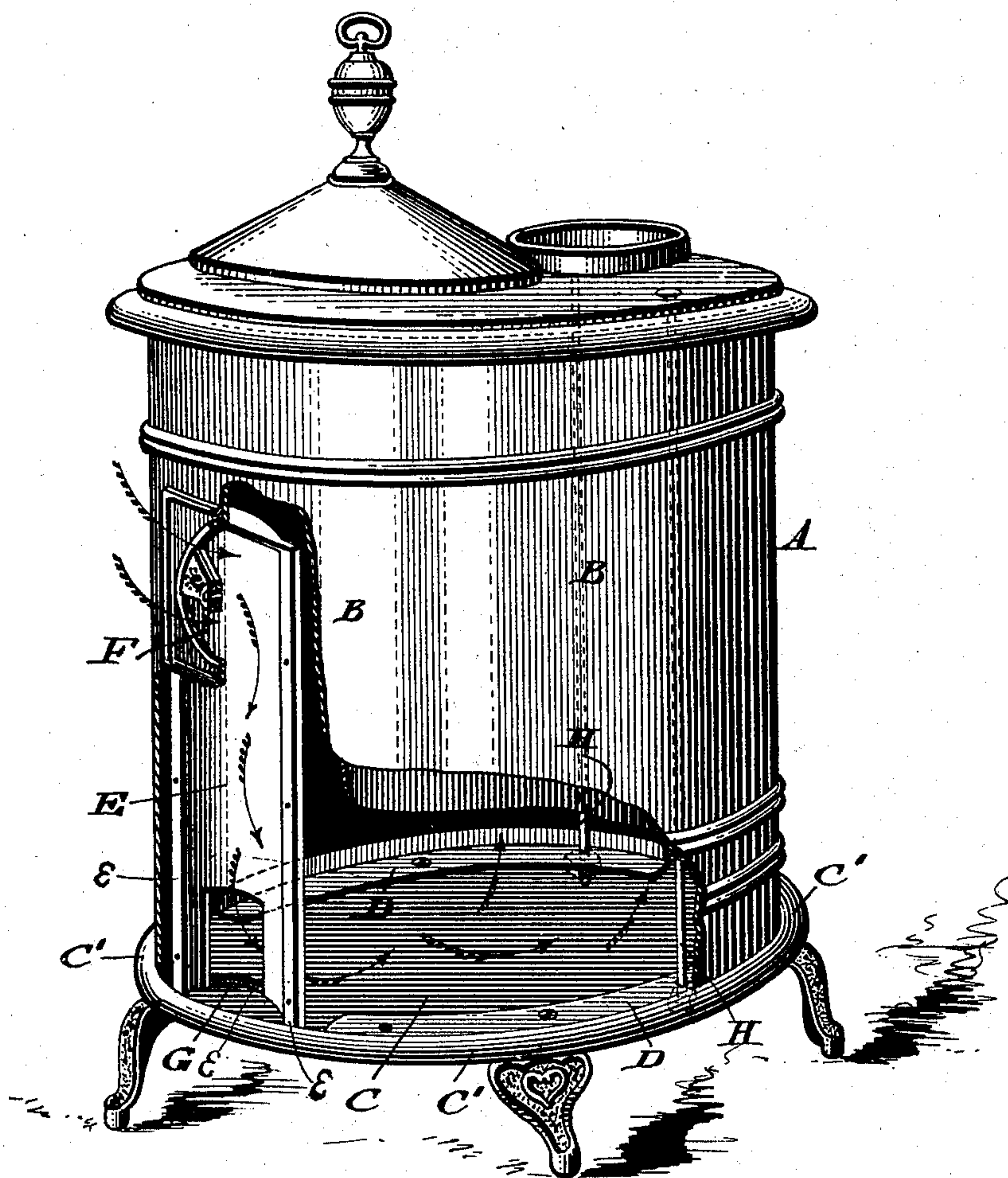
**No. 610,026.**

**Patented Aug. 30, 1898.**

**I. BROOKE.**  
**WOOD STOVE.**

(Application filed Apr. 22, 1897.)

(No Model.)



WITNESSES:

P. F. Hayle.  
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# UNITED STATES PATENT OFFICE.

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## WOOD-STOVE.

SPECIFICATION forming part of Letters Patent No. 610,026, dated August 30, 1898.

Application filed April 22, 1897. Serial No. 633,211. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC BROOKE, a citizen of the United States, residing at Pottstown, in the county of Montgomery, State of Pennsylvania, have invented a new and useful Improvement in Wood-Stoves, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a wood-stove which is constructed of a sheet-iron body, a cast metallic base with an upwardly-projecting flange on the outer rim thereof, and separate battens of angular form on opposite sides of the base, the horizontal limbs of said battens being secured to the base and the vertical limbs thereof bearing firmly against the inner side of the lower portion of the body, said portion resting on the base between the flange of the same and the vertical limbs of the battens, so that while provision is made for permitting the expansion of the body the joint between the body and flange of the base is tightly closed and air is prevented from entering thereat, the means provided for connecting the top, body, and base also serving to connect the battens with the latter.

Figure 1 represents a perspective view, partly broken away, of a stove embodying my invention. Fig. 2 represents a horizontal section thereof.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a stove more especially designed for burning wood, the same having a sheet-iron body B, having an oval form, and a cast-iron base C, the lower end of said body resting on said base within the outer flange C' of the latter.

Heretofore when a stove of the kind is in use the joint between the body and base opens, especially on the long sides of the same, and air is permitted to enter therethrough, which is objectionable when it is desired to deaden the fire. In order to prevent this, I employ the battens D, which consist of segmental pieces of metal, preferably cast-iron, angular in cross-section, placed on the base

and embracing at opposite places the inner side of the body about its bottom edge on its long sides, their vertical limbs being pressed firmly against said places and there screwed or otherwise fastened by their horizontal limbs to the base, by which provision a tight joint is formed between the contiguous parts, thus preventing the entrance of air thereat.

In practice as the curves of the ends of the body are short or arched to a greater extent than the sides, the curves of the latter being long, said ends are vastly stiffened, and so resist the opening of joints thereat, whereby battens are not placed at said ends.

A flue leads from above the damper F to the lower part of the stove. It is formed by the side of the body and the curved plate E, having flanges C' projecting from its side. It is secured in place by rivets passing through said flanges into the body in the usual manner. In the lower end of the plate an opening G is formed that connects the flue with the interior of the stove.

The bolts H are passed through openings in the base and in the battens as additional fastenings for the latter. They extend to the cap and are secured thereto in the usual manner and serve to hold the base, body, and cap together.

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

1. A wood-stove consisting of an oval body, an oval base on which said body rests, a flange around the rim of said base, battens of angular form on the opposite long sides of said base, having their horizontal limbs secured to said base and their vertical limbs bearing against the inner side of the lower end portion of said body, said portion resting freely between the flange of the base and the vertical limbs of the battens.

2. A wood-stove consisting of an oval body, an oval base on which said body rests, a flange around the rim of said base, battens of angular form on the opposite long sides of said base, having their horizontal limbs secured

to said base and their vertical limbs bearing  
against the inner side of the lower end portion  
of said body, said portion resting freely be-  
tween the flange of the base and the vertical  
5 limbs of the battens, said battens being also  
secured to the base by the bolts which are  
connected with the top plate of the body and

pass through the battens and base and se-  
cured to the latter.

ISAAC BROOKE.

Witnesses:

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