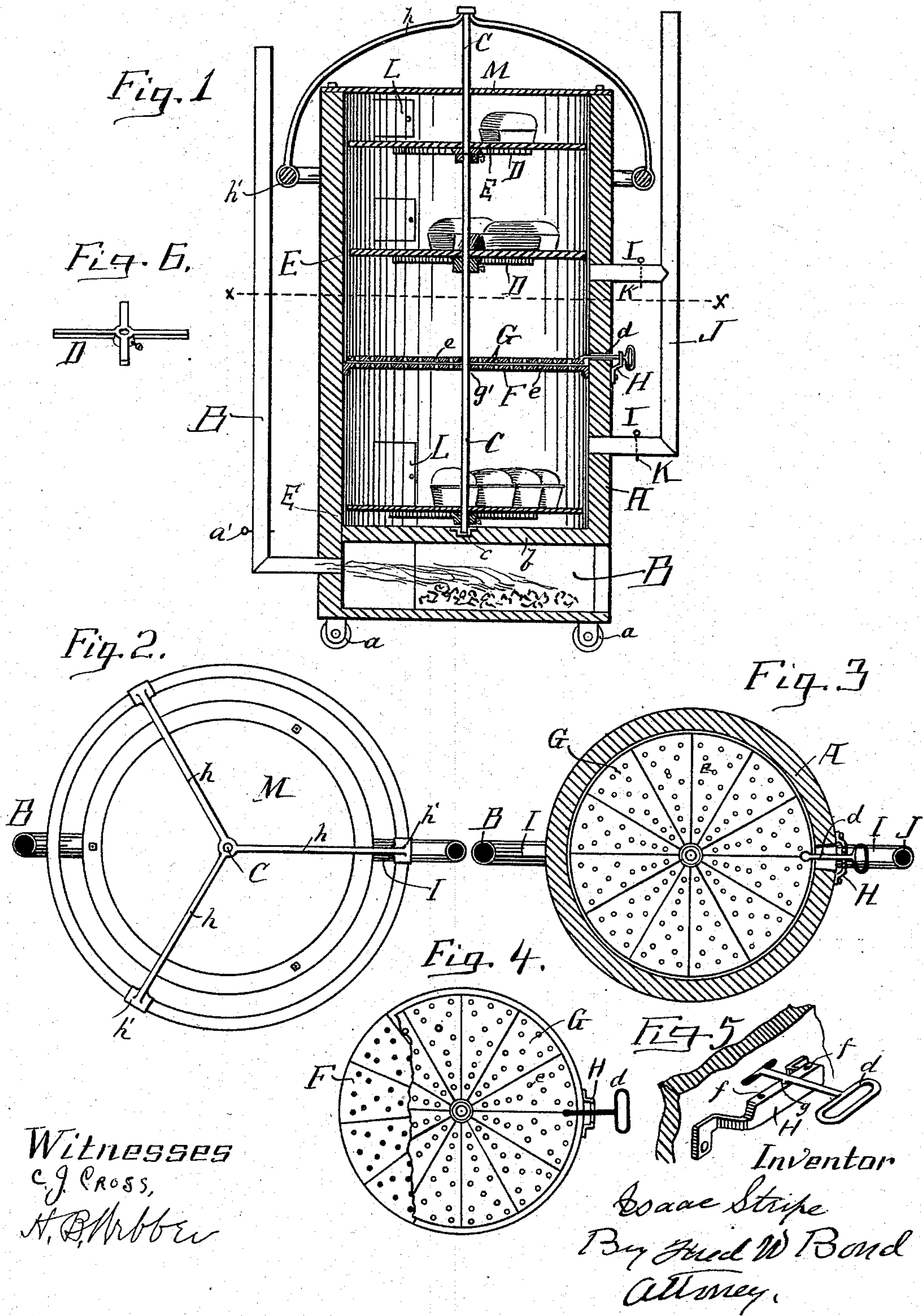


(No Model.)

**I. STRIPE.  
PORTABLE OVEN.**

No. 527,898.

Patented Oct. 23, 1894.





# UNITED STATES PATENT OFFICE.

ISAAC STRIPE, OF AULTMAN, OHIO.

## PORTABLE OVEN.

SPECIFICATION forming part of Letters Patent No. 527,898, dated October 23, 1894.

Application filed February 21, 1894. Serial No. 500,951. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC STRIPE, a citizen of the United States, residing at Aultman, in the county of Stark and State of Ohio, have  
5 invented certain new and useful Improvements in Portable Ovens; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a  
10 part of this specification, and to the letters of reference marked thereon, in which—

Figure 1, is a longitudinal section. Fig. 2 is a top view. Fig. 3, is a transverse section, through line  $x-x$ , looking from the top or  
15 upper end of the oven. Fig. 4, is a detached view of the heat regulating plates. Fig. 5 is a detached view of the heat regulating handle and its bracket. Fig. 6, is a detached view of one of the tray supports.

20 The present invention has relation to portable ovens, and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

25 Similar letters of reference indicate corresponding parts in all the figures of the drawings.

30 In the accompanying drawings A represents the body or shell of the oven proper, and is preferably cylindrical in form.

For the purpose of transporting the oven from place to place, it is placed upon the wheels  $a$ , substantially as illustrated in Fig. 1. The bottom  $b$  is formed of heavy sheet  
35 metal, below which is located the furnace B, which may be of any desired style, and should be provided with an ordinary grated bottom. The top or upper side of the bottom B is provided with the socket  $c$ , which socket is for  
40 the purpose of receiving, and journaling the bottom or lower end of the shaft C, which shaft extends upward and is extended a short distance past and beyond the top or upper end of the oven proper, substantially as illustrated in Fig. 1. To the shaft C are securely  
45 attached the tray supports D, which supports are formed, substantially as illustrated in Fig. 6, said tray supports being for the purpose of supporting and holding the trays E.

50 In the drawings three trays are shown located within the oven proper; but it will be understood that a greater or less number may

be placed within the oven without departing from the nature of my invention. For the purpose of allowing heat to pass the trays  
55 E, said trays are formed somewhat smaller in diameter than the inner diameter of the body or shell A. Another object of so forming the trays is to allow them to rotate freely. To the body or shell A is securely attached  
60 the perforated plate F, which plate is located substantially as illustrated in Fig. 1. Upon the top or upper side of the perforated plate F is located the perforated disk G, which perforated disk is provided with the operating  
65 handle or bar  $d$ , which handle or bar extends a short distance through the body of the oven, as illustrated in Fig. 1. When it is desired to have the heat pass up through the plate F, and the disk G, the apertures  $e$ , are adjusted  
70 so as to register with each other, which object is accomplished by rotating the disk G, so as to cause the apertures to be opened; or in other words, to come in line with each  
75 other; and when it is desired to cut off the heat from above the plate F, and the disk G, the disk G, is rotated until the apertures are closed; which object is accomplished by bringing the solid portion of the disk G, over and  
80 above the apertures  $e$ . For the purpose of holding the disk G, at the desired point of adjustment, the bracket H, is provided, which bracket is attached to the body or shell A, in  
85 any convenient and well known manner, and is provided with shallow notches or recesses  $f$ , which shallow notches or recesses, receive and hold the pin  $g$ . It will be understood that the apertures  $g'$ , formed in the plate F, and the disk G, should be somewhat larger  
90 in diameter than the diameter of the shaft C, thereby permitting said shaft C to revolve independent of the plate F, and the disk G.

For the purpose of providing a means for regulating the heat, the pipes I and J are provided. The pipes I, leading from the inner  
95 part of the oven, to the escape pipe J, and may be located substantially as illustrated in Fig. 1. The pipes I, are each provided with the dampers K, which dampers are for the purpose of regulating the escape  
100 of the heated air contained in the oven.

For the purpose of providing a means for rotating the trays E, the top or upper end of the shaft C, is provided with the bent or



curved arms *h*, which bent or curved arms are provided at their bottom or lower ends with the ring or band *h'*.

For the purpose of providing a means for placing articles designed to be baked, within the oven, the doors such as *L* are provided. In the drawings three doors are shown; but it will be understood that one large door may take the place of the three doors shown, without departing from the nature of my invention.

It will be understood that the body or shell *A*, should be formed either of heavy metal or may be formed of two sheets of metal, set a short distance apart, and the space between the sheets filled with clay or like material, as the only object designed to be accomplished by this construction is to retain the heat within the oven. From the furnace *B*, leads the chimney *B'*, which chimney may be located substantially as illustrated in the drawings, and is provided with suitable dampers such as *a'*. The top or upper end of the body or shell *A*, is provided with the cover or top *M*, which cover or top is attached in any convenient and well known manner, and is preferably formed flat, as illustrated in Fig. 1.

Having fully described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the body or shell *A*, the furnace *B*, the shaft *C*, having fixed thereto the tray supports *D*, the trays *E*, the perforated plate *F*, fixed to the body *A* the perforated disk *G*, provided with an operating handle, the pipes *I*, and *J*, provided with dampers, substantially as and for the purpose set forth.

2. The combination of the body or shell *A*, the furnace *B* the shaft *C*, the trays *E*, the perforated plate *F*, fixed to the body *A*, the disk *G*, provided with the handle *d*, the bracket *H*, provided with the notches *f*, the pin *g*, fixed to the handle *d*, the arms *h*, fixed to the top or upper end of the shaft *C*, the ring or band *h'*, the pipes *I* and *J*, and the chimney *B'*, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ISAAC STRIPE.

Witnesses:

E. A. C. SMITHE,  
F. W. BOND.