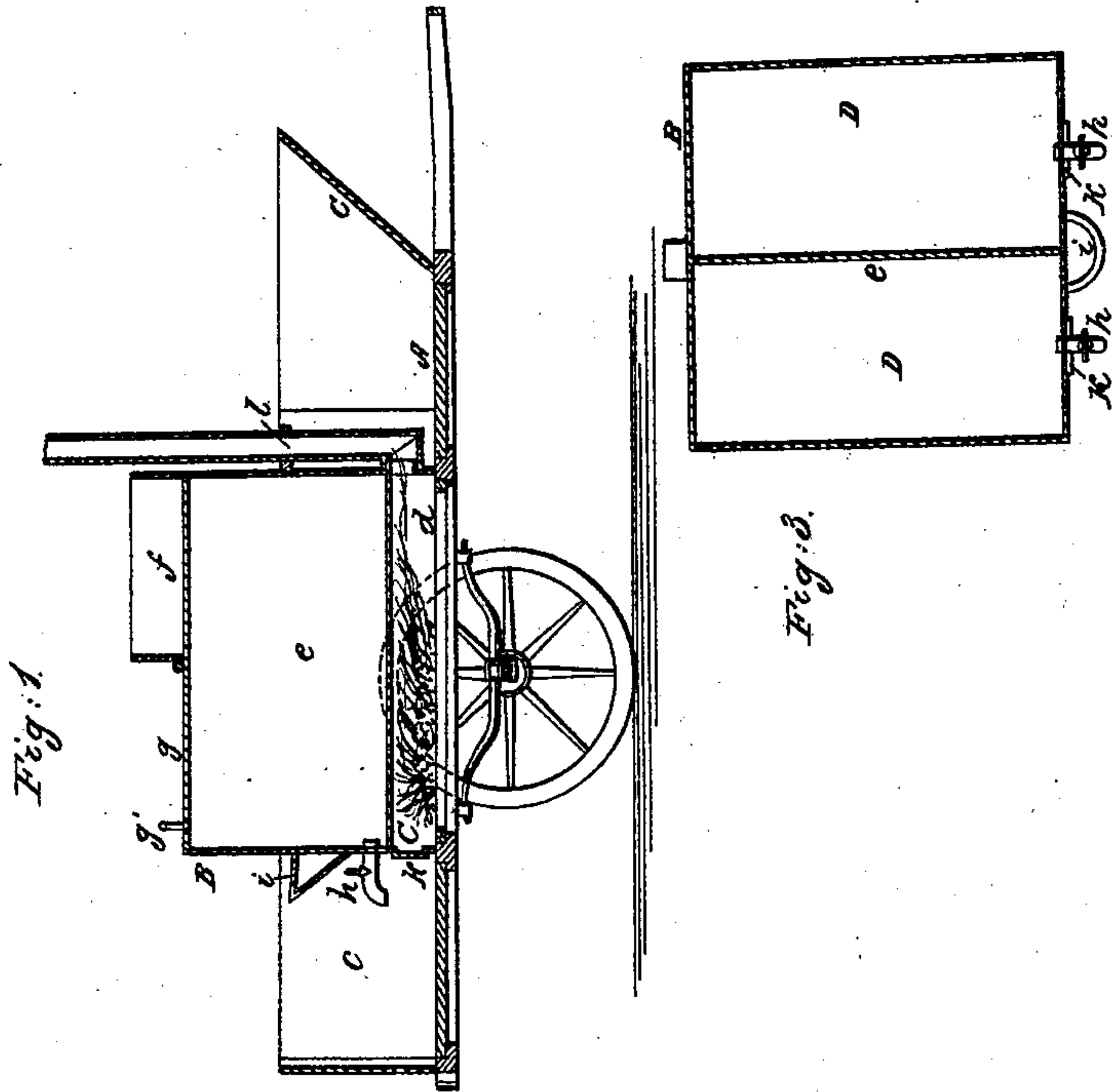
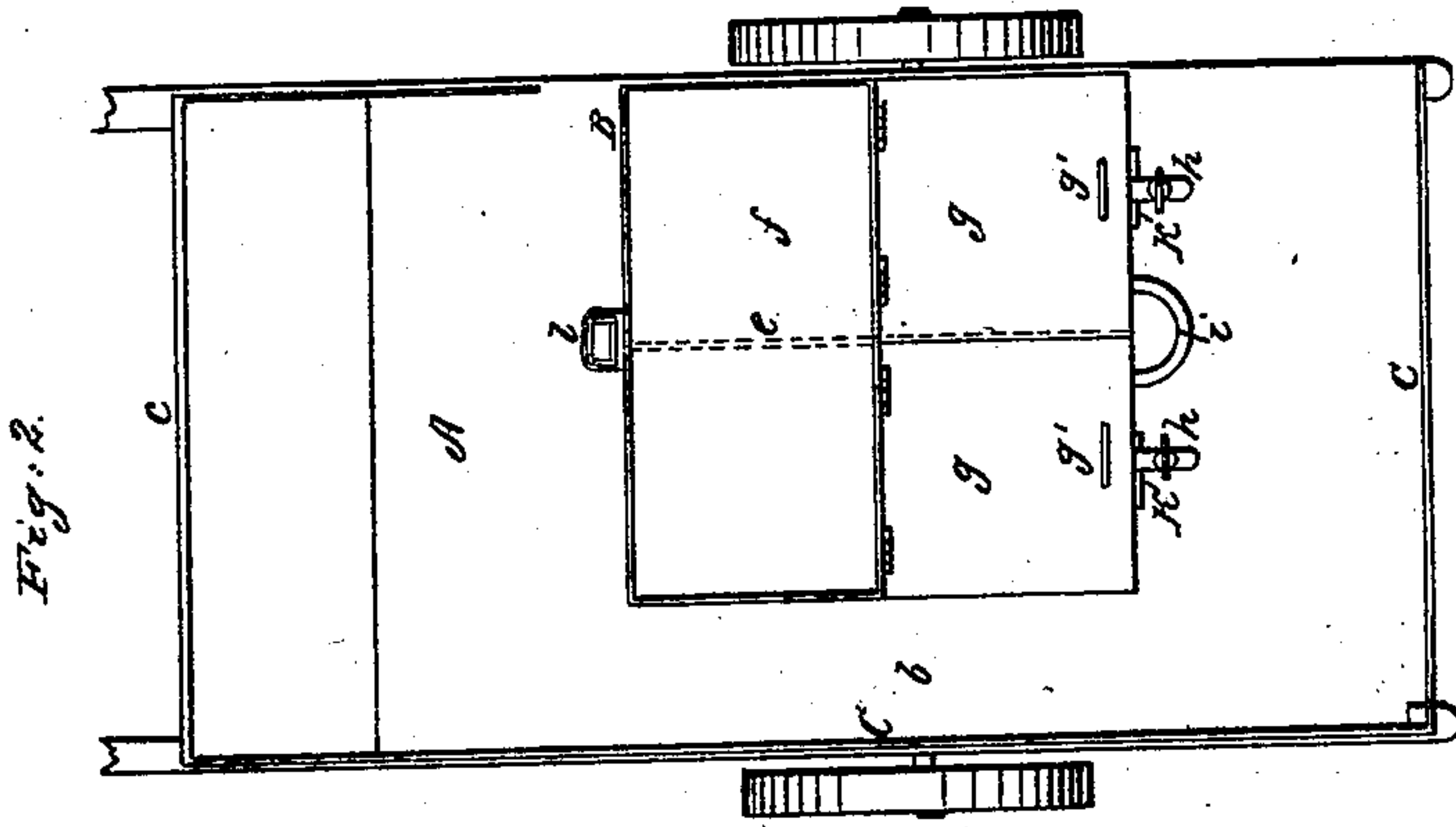


P. FENLASON.

Portable Roofing Boiler and Furnace.

No. 64,853.

Patented May 21, 1867.



Witnesses:  
Charles L. Fisher.  
John H. Bogart.

Inventor:  
P. Fenlason.

# United States Patent Office.

PERRY FENLASON, OF CINCINNATI, OHIO.

*Letters Patent No. 64,853, dated May 21, 1867.*

## PORTABLE ROOFING-BOILER AND FURNACE.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, PERRY FENLASON, of Cincinnati, Hamilton county, and State of Ohio, have invented a new and useful improvement in Portable Roofing-Boiler and Furnaces, of which the following is a full and clear description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to the construction of a double boiler, having furnaces and faucets attached thereto, in connection with a dray or other vehicle of such a form as shall facilitate the transportation of said boiler, which contains the roofing material or composition, and obviate the necessity of handling the boiler and ingredients used in the operation of "roofing."

Figure 1 is a longitudinal section through my improved boiler and dray.

Figure 2 is a plan of the same.

Figure 3 represents a horizontal section of the boiler removed from dray.

A is a dray, having a square or oblong opening in the floor. The opening is smaller than the boiler B, which is located over it, and is placed at one side of the dray, so as to leave sufficient space, *b*, between the boiler B and the guards *c*, raised above the edges of the dray on all sides except the boiler side, which is left open to the front and rear for the convenience of the operators. The boiler B is made of iron or other suitable material, and in shape is square or oblong, in either the vertical or horizontal section. The bottom of the boiler is occupied with grate-bars *d*. The roof of the shallow furnace C is composed of strong plates of metal, forming the bottom of the boilers. A partition, *e*, divides the boiler into two compartments, D D. The front ends of these compartments are covered with an open box, *f*, provided for the storage of fuel or implements used in the operation of roofing. The rear ends of the compartments are covered with hinged lids, one to each. These lids *g* are provided with handles *g'*. Faucets *h* project from the rear of each compartment, for the purpose of drawing off the contents thereof. Furnace doors *k* are symmetrically placed with reference to each compartment in front of openings to the furnaces C. An opening in the front plate of the furnace permits the escape of smoke and gases into the smoke pipe *l*.

When it is desirable to heat a large amount of tar or other roofing material the lids *g* are elevated, and both compartments filled, when lids are revolved down, and the fires started under each compartment. When the masses in the compartments are sufficiently heated it may be drawn off in buckets by means of the faucets *h*. With the use of but one furnace a small amount of composition roofing material may be heated, whereby a considerable saving of fuel is obtained. Should it be necessary to draw off the entire contents of the two compartments at once the floor boards of the dray in front of the faucets may be removed, and a barrel or other large vessel placed beneath them.

My improved boiler and furnace will occupy its place upon the dray or vehicle, not only in the passage from point to point, but during the heating of the roofing material, whereby the labor of one assistant may be dispensed with, since the handling of the boiler and the materials and implements connected with the roofing business is rendered unnecessary; and further, the greater convenience in transporting the materials recommends my invention as a labor-saving machine.

What I claim as my invention, and desire to secure by Letters Patent, is—

The boiler B, in combination with the spring dray A, or its equivalent, constructed substantially as above described and for the purpose set forth.

Witnesses:

CHARLES L. FISHER,  
FRANK VANDERBILT.

PERRY FENLASON.