

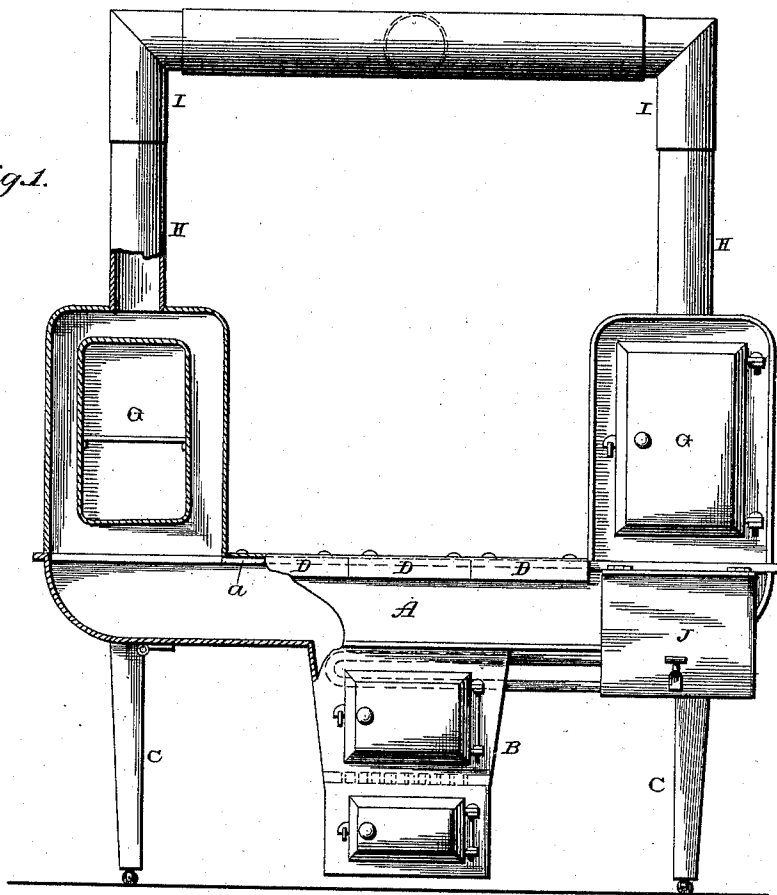
(No Model.)

A. HEPPE.  
RANGE OR STOVE.

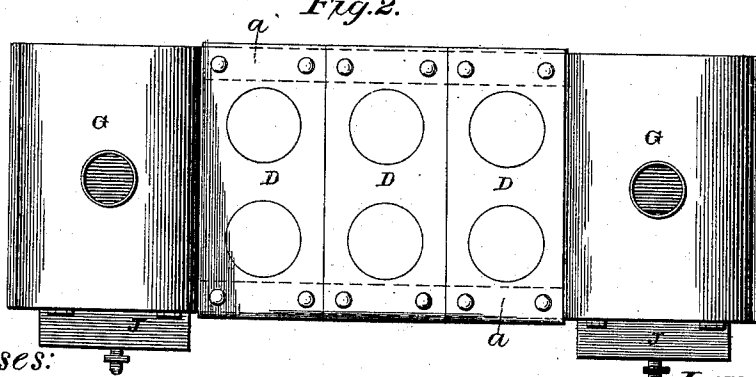
No. 476,143.

Patented May 31, 1892.

*Fig. 1.*



*Fig. 2.*



Witnesses:

*E. P. Ellis,*

*J. M. Nesbit.*

⊕ Inventor.

*Alex. Heppes,*  
*per*  
*Lehmann Mattison,*  
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# UNITED STATES PATENT OFFICE.

ALEXANDER HEPPE, OF BRADFORD, PENNSYLVANIA.

## RANGE OR STOVE.

SPECIFICATION forming part of Letters Patent No. 476,143, dated May 31, 1892.

Application filed March 16, 1891. Serial No. 385,163. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER HEPPE, of Bradford, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Ranges or Stoves; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in ranges or stoves; and it consists in the combination of a suitable frame-work which is provided with the usual doors and dampers, the ovens which are placed upon the top of the frame-work, pipes which connect the two ends, the reservoirs, and the pipes by means of which the water in the reservoirs is heated, as will be more fully described hereinafter.

Figure 1 is a front elevation of a range which embodies my invention, shown partly in section. Fig. 2 is a plan view of the same, the stovepipe being removed.

A represents the frame-work, which has its central portion B, in which the grate and necessary doors are placed, to extend down nearly to the floor and which has its two opposite ends supported by folding legs C, which may be provided with casters for convenience in moving whenever necessary. These legs are hinged to the stove, so that they can be closed up while the range is being transported. This frame A may be made of heavy sheet metal or any other suitable metal that may be preferred. If made of sheet metal, the upper edge or rim *a* of the stove will be made of cast-iron in form of a T-rail, and upon the top of this cast-iron will be placed the stove-plates D, which extend across from side to side and have their ends turned downward, and which plates are bolted or screwed from the outside to the cast-iron rim *a* in any suitable manner. These plates are supported at their centers by a suitable support, which extends midway between the sides of the range and in a line with its length. On both ends of this frame are placed the ovens G, which are made of sheet-iron or any other

suitable material, the sheet-iron being bolted or screwed from the outside to the rim or T-shaped flange frame-work and which have the flues to extend all around the ovens, as shown. A suitable damper may be used in the pipe to regulate the draft, and suitable dampers may also be used in the frame, so as to turn the heat entirely toward one end, if so desired. Rising from the top of the ovens in the range, Figs. 1 and 2, is a pipe H, which connects with other suitable pipes I to carry away the products of combustion to any desired source. If a small range or stove is needed, the frame need not be as long as is shown here in Figs. 1 and 2, and then but a single oven will be made upon one end. Secured to the front of the frame at each end, under the front ends of the ovens, Figs. 1 and 2, are suitable water-reservoirs J, which are heated by means of pipes secured into the side of the reservoirs and running or extending to and through the fire-box over the fire, and then by a turn in the pipe back over the fire and parallel over the other portion of the pipe to the water-reservoirs, into which the ends of the water-pipes are screwed. The heating of the water is more quickly accomplished from the fact that the reservoirs are secured to the frame adjacent the flue, through which the heat is constantly passing.

By making the frame of the stove of sheet-iron and using the cast-iron flanges along its top, to which the stove-plates can be bolted, a very light, cheap, and serviceable range or stove is provided and one which can be readily transported from place to place. Further, the range being put or bolted together, as described, should any repairs become necessary, old parts can be removed and new parts put in place most conveniently, as the work can be done on the outside of the range.

Having thus described my invention, I claim—

1. In a stove, the frame A, having flanged upper edge plates secured to the said flanges, ovens supported on the ends of the frame, and a continuous flue, which extends around the ovens, substantially as shown and described.

2. In a stove, the frame A, a fire-box formed  
therein, plates D, having turned-down ends  
and which are secured to the upper edges of  
the said frame, ovens supported on the ends  
5 of the frame, and a continuous flue, which  
extends around the ovens, substantially as  
shown and described.

In testimony whereof I affix my signature in  
presence of two witnesses.

ALEXANDER HEPPE.

Witnesses:

J. M. MCCLURE,  
H. H. NORTH.