8792X

E. Nott,

Range.

Patented Apr. 22. 1835.

Fig 4.

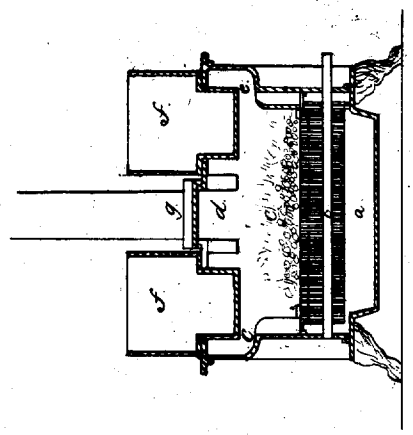


Fig 3.

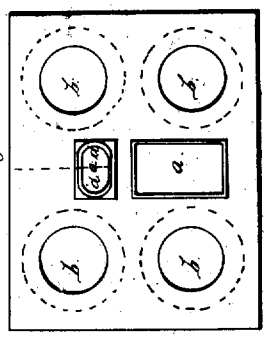


Fig 2.

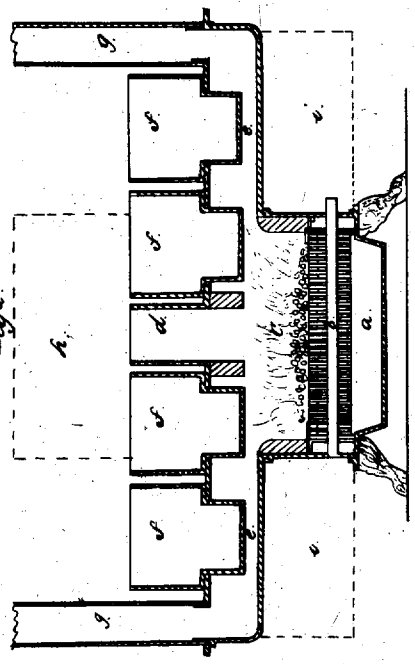
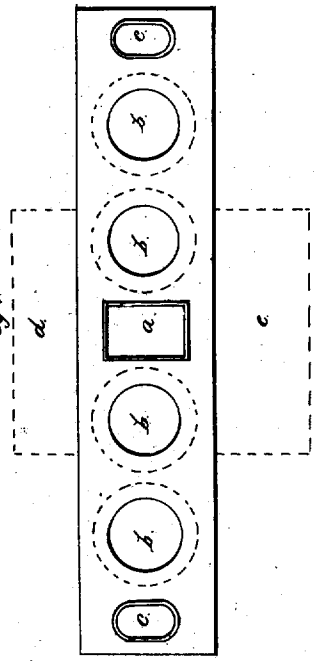


Fig 1.



Apl 22. 1935

Elphalet Wells)

8192X

Letters Patent.

The schedule referred to in these Letters Patent and making part of same, containing a description in the words of the said Elphalet Wells himself of his improvement in Ritchen Ranges both fixed and moveable; for the purpose of facilitating the use of anthracite coal therein.

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1. In combining a chamber of combustion, chiefly in non-conducting material, with a central tower for preparing and supplying fuel, called the feeder, and with two separate kettle flues one on each side thereof; the same usually lined with non-conducting material, and extended horizontally beyond said chamber, overhanging the ends and connecting at their extremities with outlets governed by valves so that the flame can be directed in either chamber or in both at pleasure. The whole capable of being adjusted permanently in the fire place, and called for distinction sake, the Fixed Range. or of being placed temporarily in any part of the room and called for distinction sake, the Moveable Range. 2. In combining the ends of the chamber of combustion, under the overhanging kettle flues in the fixed Range, fixed tin or other reflecting arms, to be heated solely, if desired, from the bottom of the overhanging flues, and the ends of the chamber of combustion.
3. In combining with each of said fixed ovens, a reflector, thereby a separate brass or other reflecting bottom so inclined as to increase the upward reflection more or less if desired. 4. In combining with each of said fixed ovens a Radiator, that is a Metallic section of siding, situated at or near the bottom of the chamber of combustion, of such size and thickness and so connected with the brick or other non-conducting section of siding, as to insure the transmission of sufficient heat to the oven, for baking the bottom of the articles con-

contained therein; which Radiator may be either a mere metal
face plate, or a plate perforated like a honey comb with small holes
to be filled with clay or or other non-conducting material. 5. In com-
bining also, if desired, on the back of the chamber of combustion,
in said fixed range, an upward reflecting trough, that is, an iron,
commencing at or near the bottom of the chamber of combustion
and rising or much above the same as to be receivable by down-
said chamber, for placing things on a middle plate or shelf,
at or near the level of the top of said chamber, after the manner of
the ovens in kitchen ranges already in use; but constructed of
tin or other reflecting material in place of iron and heated by
means of a Radiator, situated in the back of the chamber of com-
bustion, in connection with the bottom back and ends of the oven
itself — the whole bottom and rising being adjusted in such re-
lative angular positions, as to throw the greatest practicable amount
of heat up against the shelf or middle plate aforesaid, on which
the contained articles are placed. 6. In combining with the chamber
of combustion in the Fixed Range, either a close front, an open-
grated front, or a transparent front and reciprocating flues as in
use in Bells patent parlour or hall stoves. 7. In combining with
said front of whichever kind, in said fixed range, an exterior movable
front bake oven, roaster, or other culinary instruments, in tin or other re-
flecting material, the same having if desired, apertures formed by valves
in the upper or under side or both, for the admission of air when necessa-
ry for regulating the temperature or improving the flavour; which be-
combination may be effected by adapting to each other the front
of said furnace and the face of said instruments in size structure
and form, so as to make when combined, a regular fit, and by con-
necting the same by hanging the latter against the former, like doors
so as to open and shut, and ship and unship; or by providing for
connecting the same by means of bolters, wraps, hitches, hooks or any
other fixture preferred. 8. In combining with the Movable Range,
removable bake ovens, roasters or other culinary instruments

in tin

on fire or other inflammable materials, by arranging the same on the sides of the chambers of combustion like the corrugations each in manner as aforesaid and that such and such bridges or by otherwise supporting the same thereat, by means of studs, hitches, hooks or any other fastenings so formed. (9) In constructing the kettle flues in the Movable Range, on the back in place of the ends of the chambers of combustion, if desired, and in combining therewith a fixed row of the same material, so having the same features, and to be heated in the same manner as the rows combined in the ends of the chambers of combustion in the Fixed Range aforesaid. (10) In combining with the chamber of combustion in the Movable Range, a close front, an open front, a grated front or a transparent front and a reciprocating flue after the manner of a kettle, patent stoves aforesaid, as preferred; and in dispensing with the kettle flue in accordance of the central town if desired. (11) In combining in said Range, whether fixed or movable the rotary flat or cylindric grate in any of its forms as heretofore made use of in Wells patent stoves; or in dispensing with a bottom grate altogether, and substituting in place thereof a mere close slide, drop or rotary floor, for emptying out residuum; the air being passed to the fire through the reciprocator aforesaid.

12. For further information reference may be had to the drawings and explanations connected herewith.—

Claim.— I claim as my invention, the several improvements on existing working Ranges, set forth in the foregoing several combinations.— together with the uses to which the same has been or may hereafter be applied.

Witnesses
C. M. Ames.
Chas. B. King.

Clifford Nott

(1044 Words)

Drawing

(Granted 22nd April 1835)