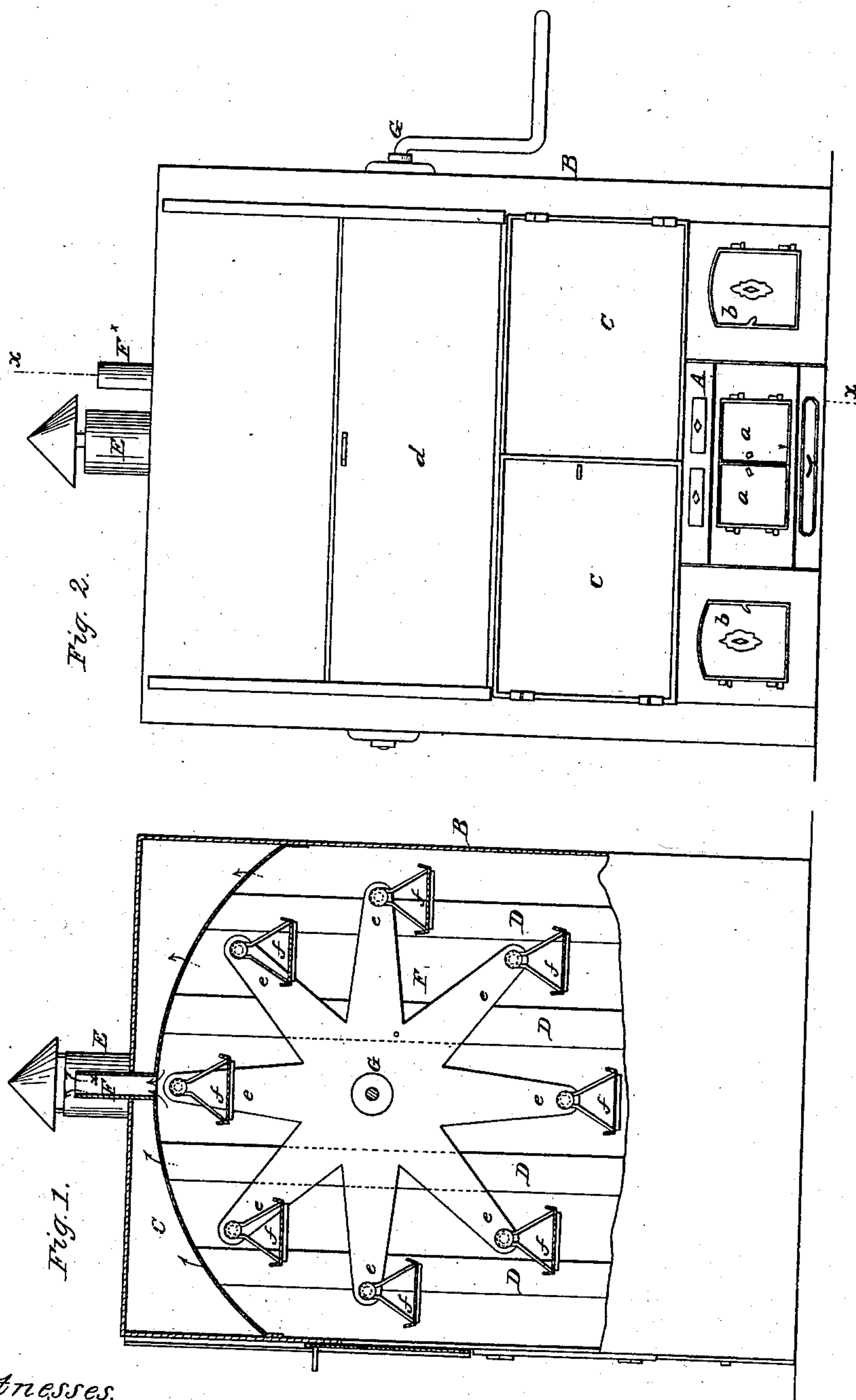


D. McKENZIE.
CAMP COOKING AND BAKING DEVICE.

No. 33,357.

Patented Sept. 24, 1861.



Witnesses:
C. W. W. W. W.
James Lind

Inventor:
Duncan McKenzie

UNITED STATES PATENT OFFICE.

DUNCAN MCKENZIE, OF BROOKLYN, NEW YORK.

IMPROVED CAMP COOKING APPARATUS.

Specification forming part of Letters Patent No. 33,357, dated September 24, 1861.

To all whom it may concern:

Be it known that I, DUNCAN MCKENZIE, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Camp Cooking and Baking Device; 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 part of this specification, in which—

Figure 1 is a vertical section of my invention, taken in the line *x x*, Fig. 2; and Fig. 2 is a front view of the same.

Similar letters refer to like parts in both views.

The object of this invention is to combine a range and baking apparatus in such a way as to obtain a very portable and convenient device well calculated for camp purposes.

The invention consists in having a cooking-range of usual construction placed at the bottom of a metallic case, which is provided at its upper part with a hot-air chamber, the latter communicating with the range by vertical flues, and the apartment over the range provided with a rotating holder to receive and contain articles under the process of baking, all being arranged as hereinafter described.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a range, which may be constructed precisely like those in general use or similar to them, the fire chamber or grate being at the center and a roasting-oven at each side. (See Fig. 2, in which *a* represents the doors of the grate, and *b b* the doors of the ovens.) The range A is at the lower part of a rectangular case B, which is of metal, and has a chamber C at its upper part, said chamber communicating with the flues of the range A by means of vertical tubes D at each side of the case B.

E is the smoke-pipe, which projects from the center of the top of the chamber C, and F* is a tube which passes through the chamber C and affords a communication between

the interior of the case B and the external air.

The space within the case B below the chamber C and above the range A forms a baking-oven F, and it will be seen that it is very uniformly heated, it having the range A below the chamber C at the top and the tubes or flues D at the sides.

The oven F is provided at its lower front part with two doors *c c*, hinged at their outer parts, and provided with a vertically-sliding door *d* above the doors *c c*. By opening these doors the whole of the front of the oven F may be exposed and cooking-vessels placed on and taken off the range A.

Within the oven F there is placed a horizontal shaft G, which has radial arms *e* at each end, from which pans *f* are suspended loosely. The pans *f* receive the substance to be baked, and by turning the shaft G from time to time the substances will be evenly baked. This arrangement affords great facility in placing articles in the oven and removing them therefrom.

The tube F* admits of the escape of all gases and moisture from the oven F. The products of combustion, it will be understood, pass from the fire-chamber of the range up the tubes or flues D into the chamber C and thence into the pipe E.

I do not claim the rotating suspended pans *f*, for they have been previously used, nor do I claim any part herein described when separately considered; but,

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

The combination of the range A, hot-air chamber C, tubes or flues D, and baking-oven F, when arranged, as shown, to form a new and improved portable cooking and baking device.

DUNCAN MCKENZIE.

Witnesses:

M. M. LIVINGSTON,
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