

March 19, 1929.

A. C. SARGENT

1,706,186

OVEN

Filed May 20, 1927

Fig. 1.

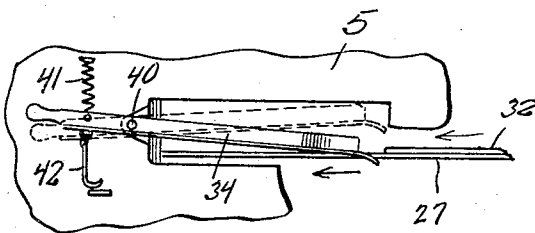
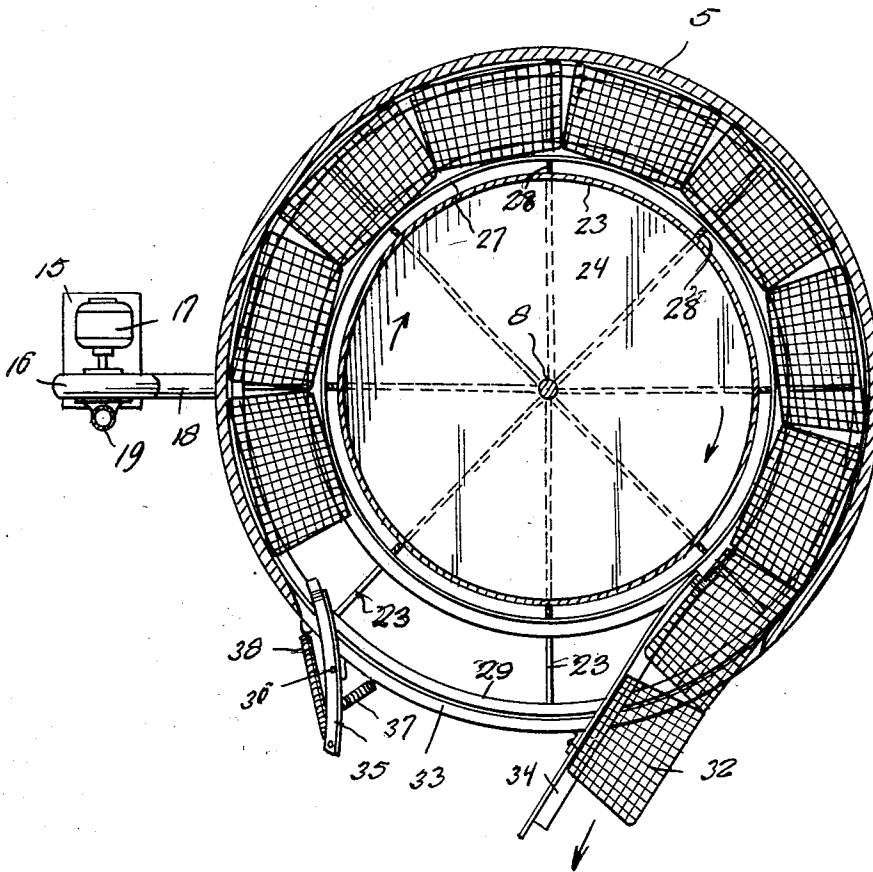


Fig. 2.

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OVEN.

Application filed May 20, 1927. Serial No. 192,948.

The present invention relates to an oven structure for cooking fish or the like and has for its prime object to provide an apparatus of this nature wherein a rotatable member is mounted in the oven for supporting fish and the like so that they may be quickly treated.

A still further important object of the invention lies in the provision of means whereby trays may be easily and quickly inserted in the apparatus and may be easily and quickly extracted therefrom.

A still further important object of the invention lies in the provision of an apparatus of this nature which is simple in its construction, strong and durable, inexpensive to manufacture, thoroughly efficient and reliable in operation, compact and convenient, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a horizontal section thereof,

Figure 2 is a detail view showing the means of inserting the trays.

Referring to the drawing in detail it will be seen that the numeral 5 denotes a cylindrical casing with a vertical axis therein. A shaft 8 is journaled in the casing. Any suitable operating mechanism may be provided for the shaft 8. A stand 15 supports the blower 16 operable in any suitable manner such as by an electric motor 17. Piping 18 and 19 suitably connects the blower 16 with the casing. A drum 23 is fixed coaxially on the shaft 8 by a bottom 24. A circular shelf is mounted about the drum consisting of an inner ring 27 mounted on ribs 28 rising vertically on the periphery of the drum and an outer ring 29 supported by bracket or braces 23 in spaced concentric relation to ring 27. The numeral 32 denotes the trays which are inserted through an entrance 33 which also functions as an exit. Adjacent the shelf structure there is fixed a

guide bar 34 which extends inwardly through the opening 33 diagonally across the shelf and will engage the trays to force them outwardly from the shelves as will be apparent from the inspection of the drawings. A guide bar 35 is pivotally mounted as at 36 for the shelf and has springs 37 and 38 engaged therewith to hold the same in position so that the trays will be properly set on the shelf as they are inserted thereon through the opening 33.

The member 34 is pivoted as at 40. A spring 41 normally holds the member 34 in an operative position to eject the trays. A hook 42 is provided on the member 34 to hold the same in an inoperative position.

This apparatus may be used for cooking articles for edible purposes or only for drying the same depending upon the amount of heat used and the rate of rotation of the drum and the time the articles are left on the shelves.

It is thought that the construction, operation, and advantages of this invention will now be clearly understood by those skilled in this art without a more detailed description thereof. The present embodiment of the invention has been disclosed in detail merely by way of example since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description. It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what is claimed as new is:

An apparatus of the class described comprising a casing, a shelf rotatably mounted in the casing, said casing having an opening, a member extending through the opening and pivoted intermediate its ends on a vertical axis, and a spring engaged on both sides of the member to hold the same in a predetermined position for guiding trays onto the shelf.

In testimony whereof I affix my signature.

ARTHUR CLARENCE SARGENT.