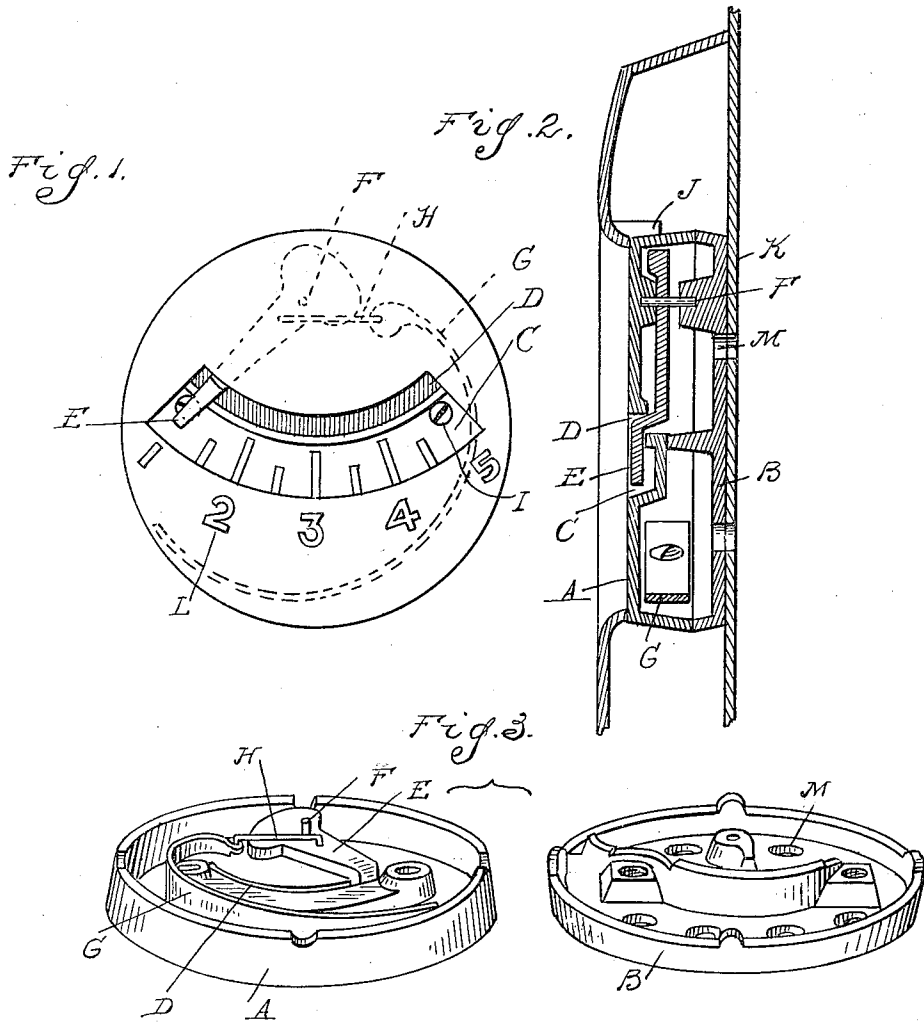


W. V. ROBINSON.
 OVEN THERMOMETER.
 APPLICATION FILED OCT. 21, 1909.

1,069,647.

Patented Aug. 5, 1913.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM V. ROBINSON, OF OWOSSO, MICHIGAN.

OVEN-THERMOMETER.

1,069,647.

Specification of Letters Patent.

Patented Aug. 5, 1913.

Application filed October 21, 1909. Serial No. 523,854.

To all whom it may concern:

Be it known that I, WILLIAM V. ROBINSON, a citizen of the United States of America, residing at Owosso, in the county of Shiawassee and State of Michigan, have invented certain new and useful Improvements in Oven-Thermometers, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to thermometers, or heat-indicating devices, and it is the object of the invention to obtain a construction particularly adapted for applying to an oven.

To this end, the invention consists in the construction as hereinafter set forth.

In the drawings—Figure 1 is a front elevation of the thermometer, as applied to an oven door; Fig. 2 is a vertical cross section through a portion of an oven door to which my invention is applied. Fig. 3 is a perspective view of the parts detached.

A and B are two sections of a hollow casing, preferably of circular form, and preferably secured to the oven door. The front section A is provided with a segmental depression, or recess, C, having a slot D therein through which an index E projects. This index is pivotally secured at F within the casing at a point approximately the center of the segment C.

G is a thermostatic segmental bar secured at one end to the periphery of the casing A and connected at its other end by the link H with the index E eccentric to its pivot.

The sections A and B are secured to each other preferably by bolts I, and the whole is secured in position in the oven door preferably by engaging-lugs J on the front of

the door and by engaging the marginal portion of the circular opening therein, while the back or lining K of the door bears against the rear face of the casing.

In operation, the index E is normally held at one end of the segmental recess C, but upon a rise in temperature the thermostatic bar G will be deflected, causing the movement of the index toward the opposite end of the recess. In this movement, the position of the index is indicated upon a scale formed in the recess C, and, if desired, numerals L may be arranged upon the face of the casing. The rear wall of the casing B is preferably provided with a series of apertures M, permitting the heated air of the oven access to the space within the casing.

What I claim as my invention is:

The combination with an oven door having an apertured front plate and a rear or lining plate, said front plate being provided with a bearing arranged about said aperture, of a casing positioned between said plates and engaging said bearing about the marginal portion of the aperture, a thermometer within the casing, and an index operated by the thermometer visible from without the casing, said lining plate serving as a means for holding the casing within the bearing portion and the lining and the rear wall of the casing being provided with registering apertures.

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

WILLIAM V. ROBINSON.

Witnesses:

J. EDWIN ELLIS,
GEO. R. THOMSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."