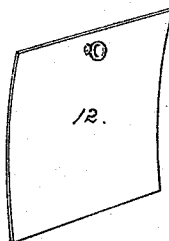
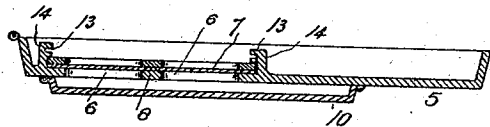
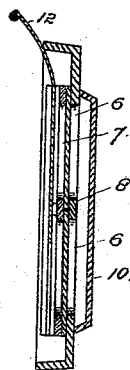
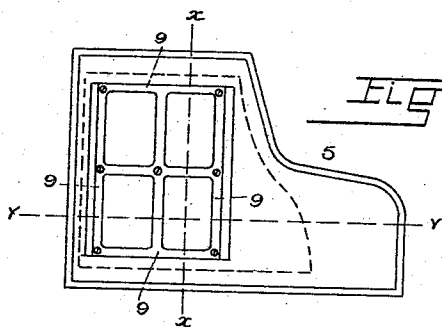
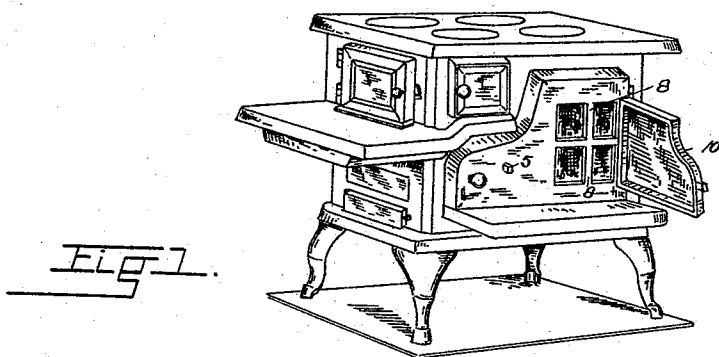


(No Model.)

H. F. W. SIEVERS.
COOKING STOVE OR RANGE.

No. 543,454.

Patented July 23, 1895.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY F. W. SIEVERS, OF CHEYENNE, WYOMING.

COOKING STOVE OR RANGE.

SPECIFICATION forming part of Letters Patent No. 543,454, dated July 23, 1895.

Application filed February 27, 1895. Serial No. 539,856. (No model.)

To all whom it may concern:

Be it known that I, HENRY F. W. SIEVERS, a citizen of the United States of America, residing at Cheyenne, in the county of Laramie and State of Wyoming, have invented certain new and useful Improvements in Cooking Stoves or Ranges; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in cooking stoves or ranges, and my object is to provide an attachment for the door of the bake-oven which shall permit the inspection of the articles therein during the process of baking without allowing the escape of heat or reducing the normal temperature of the oven.

The necessity of opening the door of the oven to ascertain the condition of the baking articles often results in such sudden reduction of temperature as to cause the articles to "fall," thus rendering proper baking impossible.

The invention consists of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a perspective view of a stove provided with my improvements. Fig. 2 is an inside view of the main door detached, the auxiliary door being indicated in dotted lines. Fig. 3 is a section taken on the line *xx*, Fig. 2. Fig. 4 is a section taken on the line *yy*, Fig. 2. Fig. 5 is a perspective view of the inner-guard plate.

Similar reference characters indicate corresponding parts in the views.

Let the numeral 5 designate the main door having openings 6 covered on the inside by a sheet of mica or isinglass 7, or other transparent or semi-transparent material capable of resisting the action of the heat. This sheet of material is large enough to overlap the door adjacent the openings, and is further sup-

ported from the outside by the ribs 8 separating the openings. The sheet is held in position from the inside by a frame 9 having openings corresponding with the openings 6 in the door. This frame is preferably composed of metal, and is secured in place by means of screws or other suitable fastening devices.

The openings 6 of the main door 5 are concealed by an auxiliary door 10 hinged to the main door. This auxiliary door may be opened at pleasure for the purpose of inspecting the articles in the oven. When closed, it may be held in place by any suitable temporary locking device.

When it is not desired to look through the apertures 6 in the main door, as when roasting meat, the transparent plate 7 may be shielded by a guard-plate 12 composed of thin sheet metal having sufficient spring or flexibility to permit its being inserted and removed at will. This shield is retained in ways 13 formed in elongated projections 14 cast integral with the door 5. This shield guards the transparent plate from the spattering of the juices attending the cooking of meats or other articles which do not require the equable oven temperature necessary in baking.

Having thus described my invention, what I claim is—

The combination of the main oven door having an opening 6 and provided with projections 14 having ways 13, a transparent, or semi-transparent, plate adapted to resist the action of the heat, said plate being placed over the opening in the door, a frame 9 attached to the door and adapted to hold the plate 7 in place, an auxiliary door hinged to the main door and adapted to protect the transparent plate from the outside, and a flexible, readily removable guard-plate or shield 12 engaging the ways 13 of the door 5 and adapted to protect the plate 7 from the inside, as and for the purpose set forth.

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

HENRY F. W. SIEVERS.

Witnesses:

CHAS. E. DAWSON,
ALFRED J. O'BRIEN.