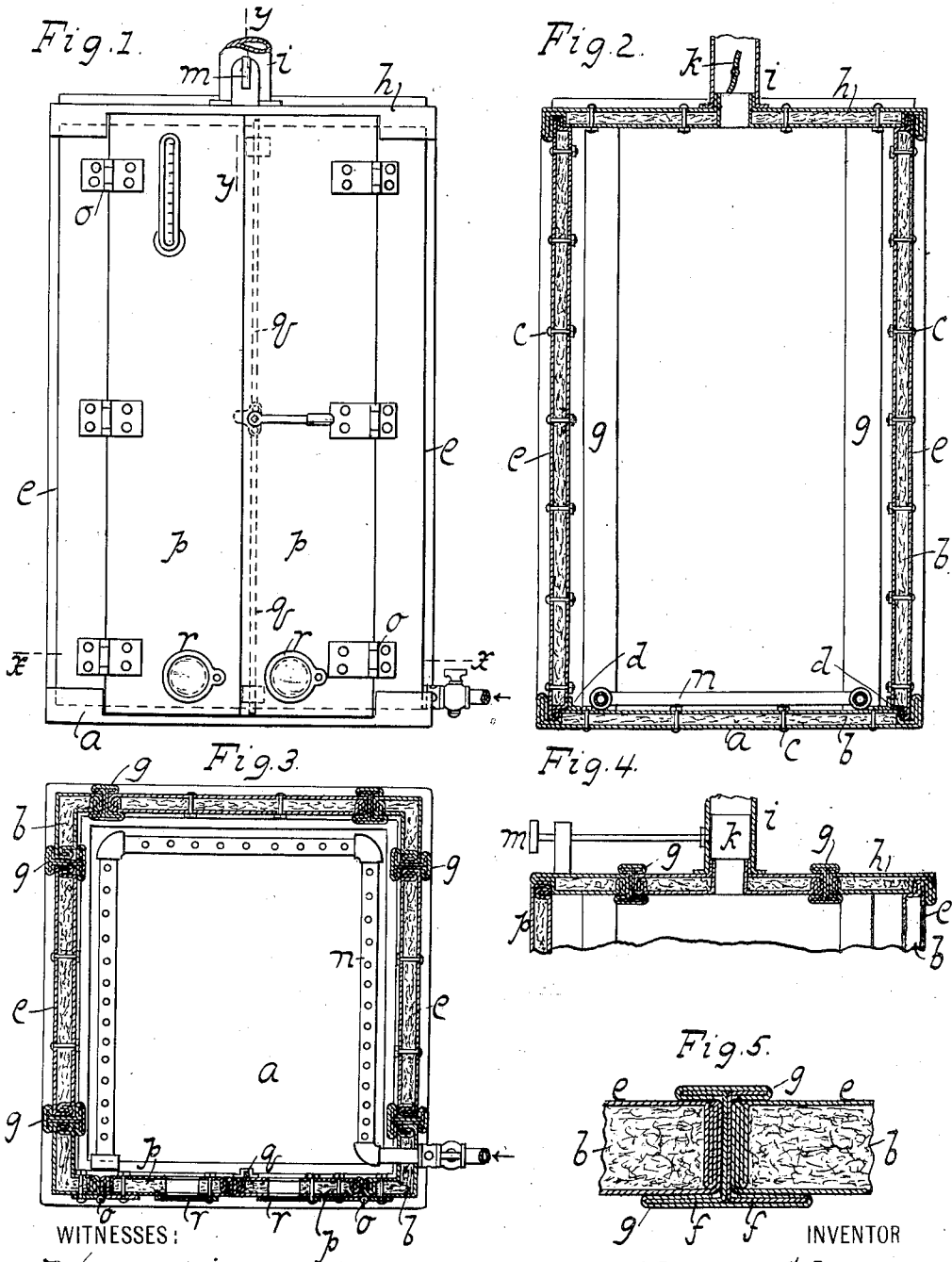


No. 835,945.

PATENTED NOV. 13, 1906.

H. GEHNRICH.
FURNACE OR OVEN.
APPLICATION FILED MAY 24, 1906.



WITNESSES:

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HERMANN GEHNRIK, OF NEW YORK, N. Y.

FURNACE OR OVEN.

No. 835,945.

Specification of Letters Patent.

Patented Nov. 13, 1906.

Application filed May 24, 1906. Serial No. 318,564.

To all whom it may concern:

Be it known that I, HERMANN GEHNRIK, a citizen of the United States, residing at New York city, in the county and State of New York, have invented new and useful Improvements in Furnaces or Ovens, of which the following is a specification.

This invention relates to a device serviceable as an oven or furnace for various operations, such as enameling or the like, and the invention resides in the features set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a front elevation of an oven embodying this invention. Fig. 2 is a sectional front view of the oven. Fig. 3 is a section along *x x*, Fig. 1. Fig. 4 is a section along *y y*, Fig. 1. Fig. 5 shows a joint.

In the drawings is shown a base or plate *a* of metal or suitable material. This base, as also the walls and top, are each formed double, with an interposed layer of asbestos or like. This insulator or heat-inclosing layer is indicated at *b*. Suitable bolts *c* hold the double or outer faces together. The bottom *a* has its outer edge portion or the projecting edge of the lower plate of its bottom bent up, and angle-pieces are secured, as seen at *d*. Channels are thus formed to receive the lower edges of the walls or side pieces *e*. The various side pieces or sections *e* are slipped into place on the bottom *a*. The joint or edge pieces that connect the wall-sections *e* are each formed of four pieces. Two of said pieces *f* are bent to what might be called U shape and placed back to back. These channel-shaped sections *f* are then connected by a clamp or binding-strip *g*. The wall-sections *e* as they are slipped onto the base *a* and into the joint-pieces *f g* will be connected or brought into alinement with one another.

The top is shown at *h* with the outer edges of the upper plates bent and lapped and an

offset at a distance from this lap or flange to form a channel for the reception of the top edges of the wall-pieces *e*. One of the top sections is shown with a flue or chimney *i*, and a damper *k* can be set by a handle *m*.

Heat-supplies or gas-pipes can be applied, as seen at *n*.

Hinges *o* are bolted to suitable wall-sections. Doors *p* on these hinges can be locked by bolts *q*, operated by lever or handle. These bolts lock one wing of the double door *p*, and a tongue part extended from the handle *q* locks the other door. Transparent slides or covers are shown at *r* to allow inspection. By opening said covers access is given to light the burners *n* or for other purposes. The sectional construction shown allows easy assembling and separation. A thermometer can be applied, if desired. The heating can be done by gas, steam, or other means. The oven can be used for enameling or other purposes.

I claim—

1. An oven for enameling or the like comprising a base and top with sectional walls, and joint or edge pieces each formed of two channel-shaped sections and binding or clamp strips bent about the flanges of the sections.

2. An oven having a bottom with bent edges and angle-irons to form channels, side pieces slipped into the channels and having joint-pieces which clasp and aline and which are interposed at the edges of the side pieces, top pieces with flanges and offsets to receive the top edges of the sides, and a damper in the top.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

HERMANN GEHNRIK.

Witnesses:

GEORGE HULSBERG,
EDWARD WIESNER.