

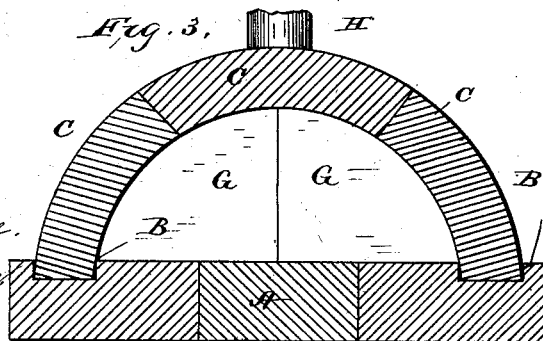
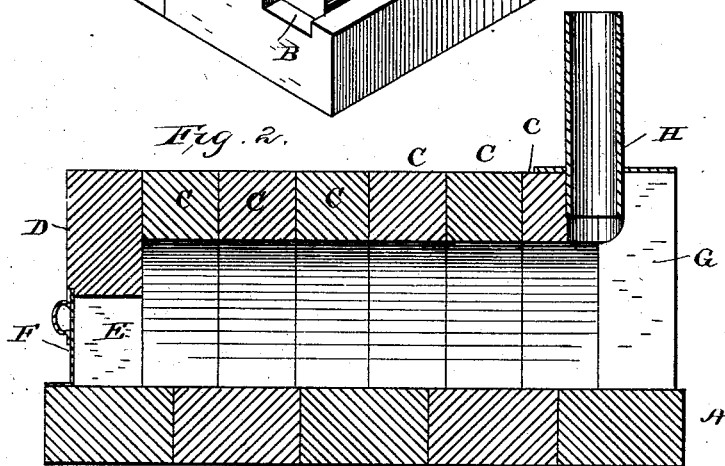
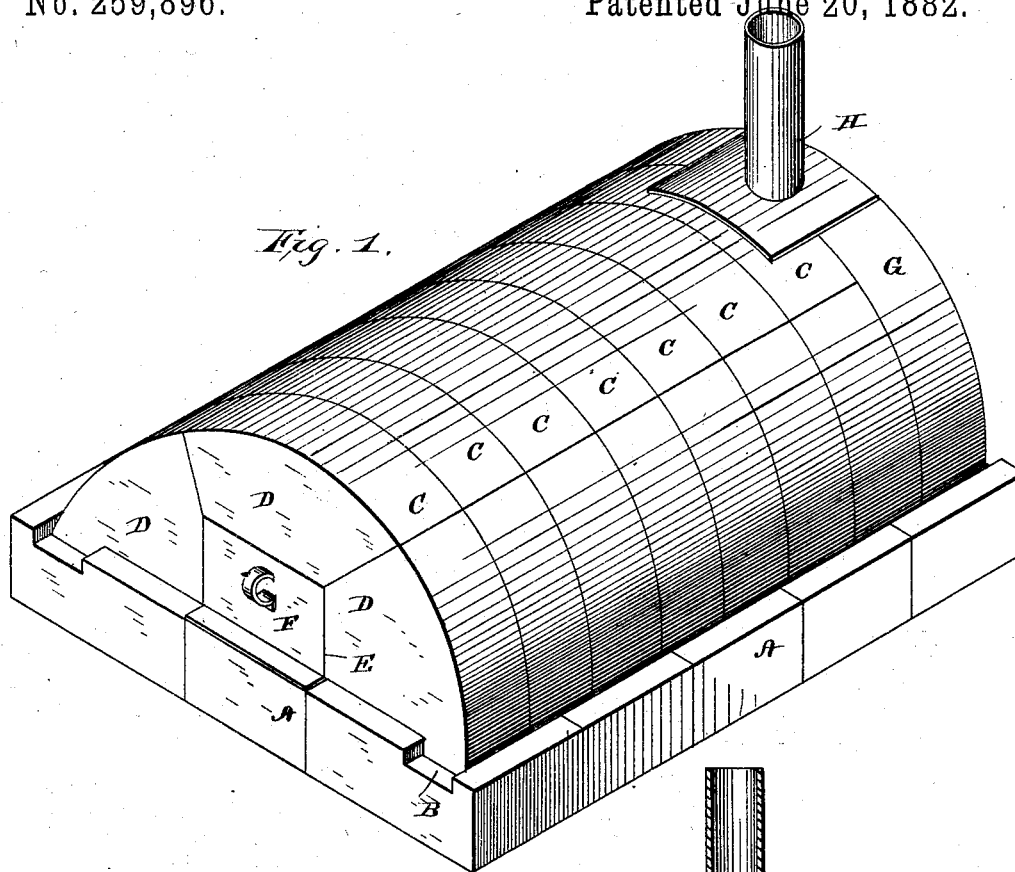
(No Model.)

G. L. MILLER.

BAKING OVEN.

No. 259,896.

Patented June 20, 1882.



Witnesses,
Edwin L. Givens,
J. J. M. C. C. C.

Inventor,
G. L. Miller,
by C. M. Alexander,
his Attorney.

UNITED STATES PATENT OFFICE.

GEORGE L. MILLER, OF YOUNGSTOWN, OHIO.

BAKING-OVEN.

SPECIFICATION forming part of Letters Patent No. 259,896, dated June 20, 1882.

Application filed November 22, 1881. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. MILLER, of Youngstown, in the county of Mahoning, and in the State of Ohio, have invented certain new and useful Improvements in Baking-Ovens; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in baking-ovens of that class in which the interior is heated by burning suitable fuel directly therein, and after being sufficiently heated the fuel is removed and the articles to be baked inserted.

The objects of my invention are to provide an oven that will require less fuel than the ordinary ovens of this class; that will bake more quickly and effectually than those in common use; that can be built near the ground, and that can be taken down and set up conveniently without injury to the parts. These objects I attain by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of the oven; Fig. 2, a longitudinal vertical section, and Fig. 3 a transverse vertical section, of the same.

The letter A indicates the base or bottom of the oven, which is formed of rectangular bricks constructed of refractory clay and laid upon the ground or other support without the interposition of cement or mortar, which would unite them and prevent their ready removal. The outer rows of bricks are provided on their upperfaces, near their outsides, with recesses B, which form a continuous longitudinal recess at each side of the oven, as shown in Figs. 1 and 3 of the drawings.

The letter C indicates a series of segmental bricks which form the main body of the arched top of the oven. The lower ends of the outer series rest and are held in the recesses B, while their upper ends support the segmental bricks of the central section or row. The bricks of

the main body of the oven are of a thickness equal to their width, and may be of any desired length.

The letter D indicates three bricks, which form the front of the oven. These are made thicker than the bricks C, and are so formed as to leave a rectangular opening, E, for the insertion of fuel or the articles to be baked. The letter F indicates a door for closing said opening.

The letter G indicates two segmental bricks of such size as to entirely close the rear of the oven. The upper rear brick of the body-section is provided with a vertical semicircular recess and the upper inner sides of the bricks G with vertical segmental recess, the said recesses together forming a cylindrical opening, in which is fitted the escape-pipe H, for the products of combustion.

The bricks, after being properly set up to form the oven, are covered with mortar or cement, which may be removed and reused when it is necessary to take down the oven and put it up in another place.

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

The combination, in an oven, of the rectangular bricks arranged to form the bottom thereof and grooved or recessed, as described, the segmental bricks forming the main body of the oven, the segmental bricks forming the front of the oven, leaving a rectangular opening for the insertion of fuel or articles to be baked, and the rear segmental bricks closing the rear of the oven, the arched top of the oven being adapted to be covered with suitable cement, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of November, 1881.

GEORGE L. MILLER.

Witnesses:

L. D. WOODWORTH,
B. F. WIRT.