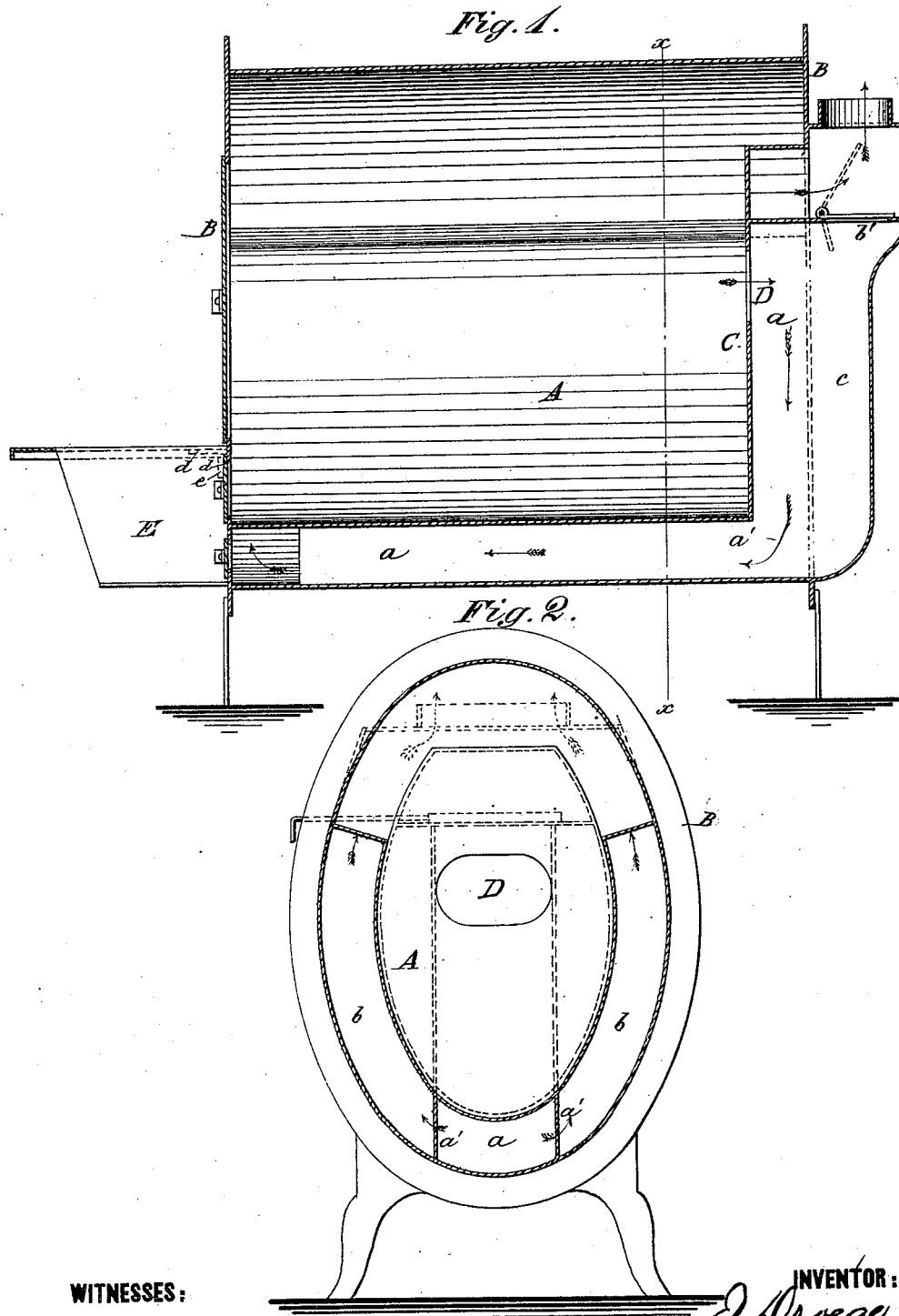


I. DROEGE & C. BOGENSCHUTZ.
HEATING STOVES.

No. 184,513.

Patented Nov. 21, 1876.



WITNESSES:

H. Rydquist,
John Coethals

INVENTOR:

I. Droege
BY *C. Bogenschütz.*
Munich
ATTORNEYS.

UNITED STATES PATENT OFFICE.

IGNATIUS DROEGE AND CHARLES BOGENSCHUTZ, OF COVINGTON, KY.

IMPROVEMENT IN HEATING-STOVES.

Specification forming part of Letters Patent No. **184,513**, dated November 21, 1876; application filed September 22, 1876.

To all whom it may concern:

Be it known that we, IGNATIUS DROEGE and CHARLES BOGENSCHUTZ, of Covington, Kenton county, Kentucky, have invented a new and Improved Stove, of which the following is a specification:

Figure 1 is a central longitudinal section; and Fig. 2 is a transverse section on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A is the internal shell or fire-box of the stove; and B, the outside shell. C is the back plate of the fire-box, having the aperture D for the exit of the products of combustion. *a* is a flue formed between the parts A and B by the flue-strips *a'*, which stop a short distance from the front of the stove, making a passage from the flue *a* in the center to the flues *b* at the sides, through which the products of combustion pass to the chamber *c* at the rear of the stove, which surrounds the rear and upper end of the flue *a*. The upper end of the flue *a* is provided with a damper,

b', which, when open, permits a direct draft from the fire-box to the stove-pipe; but when closed, causes the products of combustion to pass through the flues *a* and *b*. The sides of the fire-box are thrown against the outside shell at a point about one-third of the distance from the top of the stove to the bottom, thus limiting the width of the flues to the height of the sides of the fire-box. The hearth and ash-box are made in one casting, E, which is provided with hooks *d* that fit into sockets *e*, formed on the front plate of the stove.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination, in heater A B C, of the diving and bottom flue *a*, extending nearly to the front end of stove, the inclosing side and return flues *b b*, the rear rising and inclosing flue *c*, the fire opening D, and the dampered opening *b'*, as shown and described.

IGNATIUS DROEGE.
CHARLES BOGENSCHUTZ.

Witnesses:

J. GRAY,
S. B. PATTERSON.