H. T. C. KRAUS.

SMOKE-HOUSE.

No. 192,377. Patented June 26. 1877.

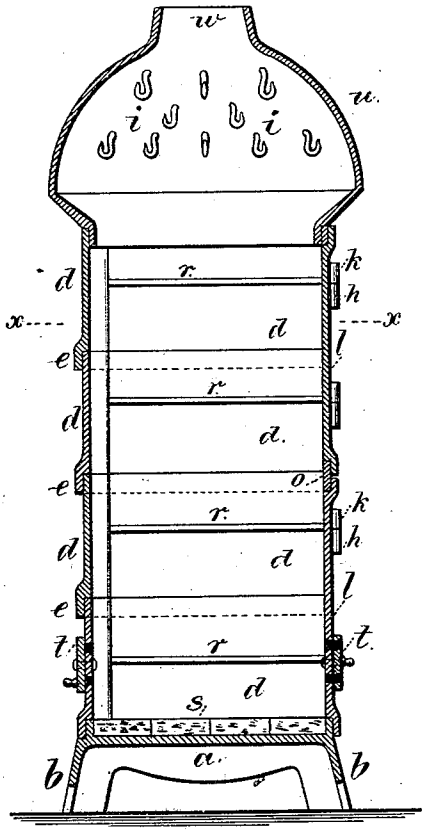
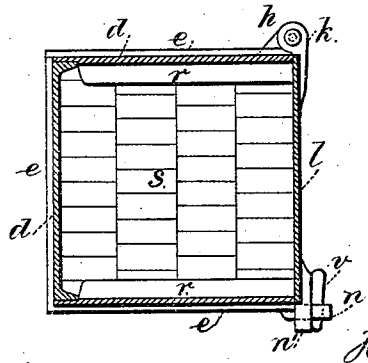


Fig. 1.

Fig. 2.



Witnesses

Chas. N. Smith

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Inventor

H. T. C. Kraus.

per Samuel W. Gerrell

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UNITED STATES PATENT OFFICE.

HERMAN T. C. KRAUS, OF NEW YORK, N. Y., ASSIGNOR TO JOHN MATHESON AND JAMES JACKSON, OF SAME PLACE.

IMPROVEMENT IN SMOKE-HOUSES.

Specification forming part of Letters Patent No. **192,377**, dated June 26, 1877; application filed May 3, 1877.

To all whom it may concern:

Be it known that I, HERMAN T. C. KRAUS, of the city and State of New York, have invented an Improvement in Smoke-Houses, of which the following is a specification:

My invention is made for allowing the smoke-house to be made of any desired capacity from one set of castings, for giving access to all parts of the smoke-house even while the fire is smoldering, to facilitate the insertion, removal, and suspension of the articles to be smoked, to promote uniformity of combustion, and for allowing the capacity of the smoke-house to be increased or diminished, and to allow of easily separating the parts for removal.

In the drawing, Figure 1 is a vertical section of the said smoke-house, and Fig. 2 is a sectional plan at the line *x x*.

The base *a* stands upon the legs *b* and the smoke-house is built upon this by placing together the desired number of sections *d d*, that are formed rectangular or polyonal, and open at one side. The sections come together with flanges or laps at *e e*, and they are rendered tight by packing or putty, and either bolted or riveted together in addition, if desired.

Upon each section there is a hinge-joint or knuckle, *h*, receiving the portions of the hinges *k* upon the doors *l*, and the doors are secured, when shut, by the mortised projections *n*, receiving the eyes *n'* upon the case-sections *d*, through which latter wedges *v* are inserted, so as to hold the doors firmly when closed. There are cross-bars *o* at the junction of one door with the next, so as to make tight joints.

Upon the bottom of the apparatus there is a hearth of bricks, as at *s*, to prevent the heat becoming too great upon the bottom, and there are openings with registers *t* at opposite sides of the hearth, so as to regulate the admission of air, and the consequent rapidity of combustion.

Within the sections *d* there are ledges *r* for supporting cross-pieces, upon which are hung the hams or other articles to be smoked, and the top of the smoke-house is made as a hollow dome, *u*, with an escape opening or pipe at *w*, and there are hooks at *i*, upon which sausages or other small articles to be smoked are hung, the same being sufficiently far from the fire to be smoked to the best advantage.

The capacity of the smoke-house can be increased by sections that make the same higher, and all parts of the house are accessible by the doors, and in cases of removal the apparatus can be taken apart.

I claim as my invention—

The polygonal cast-iron sections *d d*, provided with flanges or laps *e*, and open at one side, and having doors, in combination with the base *a* and cross-bars *o*, substantially as set forth.

Signed by me this 27th day of April, A. D. 1877.

HERMAN T. C. KRAUS.

Witnesses:

GEO. T. PINCKNEY,

HAROLD SERRELL.