

JOHN W. STORY.

Improvement in Smoke-Houses.

No. 127,994.

Patented June 18, 1872.

Fig 1.

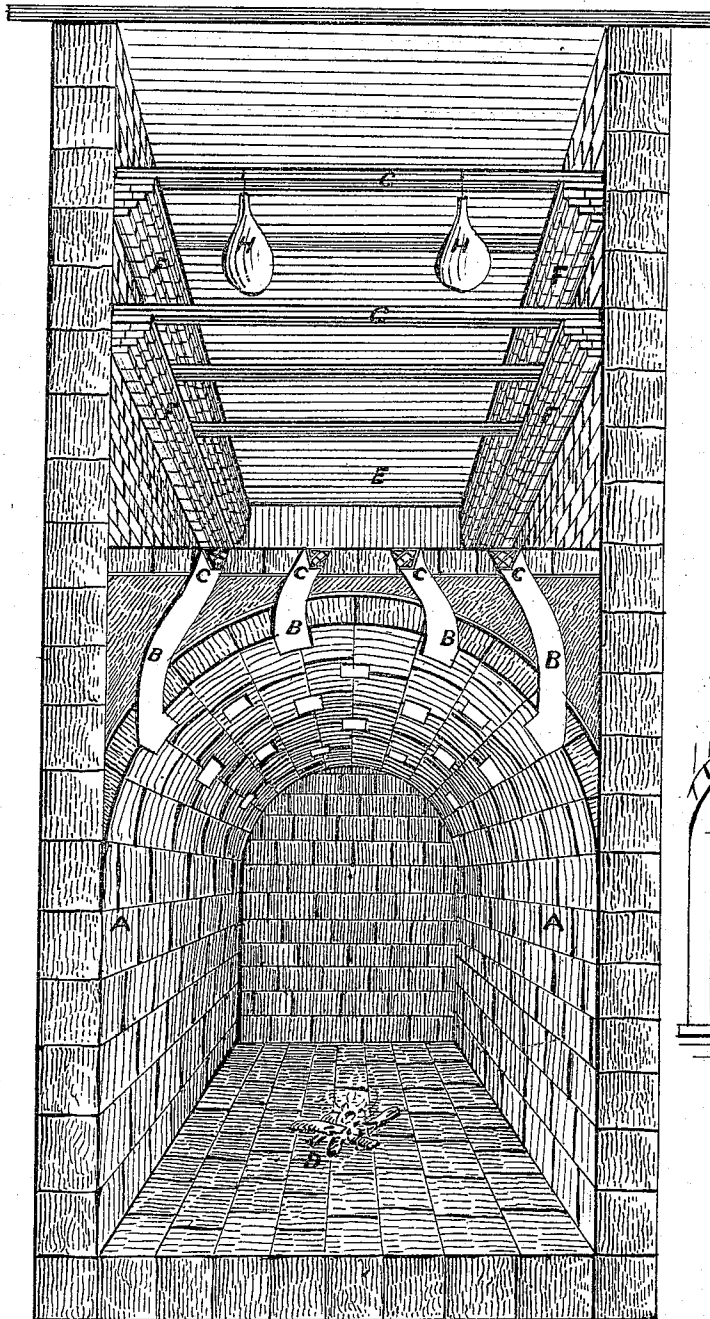
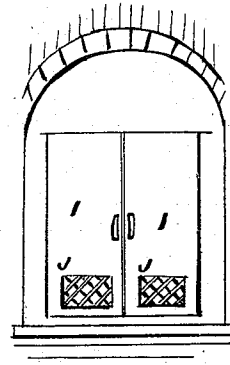


Fig 2.



WITNESSES;

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JOHN W. STORY, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN SMOKE-HOUSES.

Specification forming part of Letters Patent No. 127,994, dated June 18, 1872.

Specification describing certain Improvements in a Smoke-House for the purpose of smoking meat, invented by JOHN W. STORY, of the city of Louisville, county of Jefferson, and State of Kentucky.

The first part of my invention consists more especially in the furnace in which fire is made to produce the smoke. This furnace is built either of brick or stone, and is made about eight feet wide by eight feet high, and of any required length, with the top arched over, and the side walls so arranged as to be continued up to form the meat-house above, which can be extended to any required height to give sufficient room. The top of the arch between the walls is filled in so as to form a level floor, and is paved with brick. The top of the arch is provided with numerous holes or flues, about eight by twelve inches square, running up through the arch in a curved manner, to prevent the grease from falling through on the fire. These flues are placed in a zig-zag manner, in squares of about three or four feet, and provided with open iron grates at the top, to prevent any thing falling through on the fire, and also to make a smooth permanent floor for the operatives in removing the meat above. The inside of the walls of the meat-house above has numerous projections, in order to form a rest for the cross-bars on which the meat is hung. These projections have each a piece of wood fastened on the top, to prevent the brick from being knocked loose in moving the cross-bars thereon, in order to remove the meat and replace it again. This meat-house may be covered with any kind of fire-proof roofing, and is inclosed, both at the back and in front, with a solid wall, except small doors in front, sufficiently large for convenience in removing the meat, the door in the front of the furnace being provided with a grate to answer as a register to regulate the draught; but should more room be required than is contained in a house and furnace, as described, it is not necessary to enlarge them, but add others of the same dimensions at the side until sufficient accommodation is provided. The object of my invention is to provide a furnace and smoke-house that will be at all times neat, substantial, and eco-

nomical, and at the same time perfectly fire-proof, which latter object is secured by constructing the furnace wholly of stone or brick, and arching over the top, and inclosing by walls at both ends, the smoke being admitted to the house through curved holes or flues in the arch, which is generally made thick enough to prevent it from becoming so heated as to cause the grease to ignite.

By this means of introducing smoke through flues in the arch or floor it diffuses itself more equally throughout the house, without being accompanied by any very great degree of heat, which is very injurious under the old process. By the use of my improvement it only requires about one-half the time to smoke the meat that it does under the old process, and hence a saving of at least one-half the fuel ordinarily required is effected.

A more thorough understanding of my invention may be had by reference to the drawing, in which—

Figure 1 is a view of the furnace and smoke-house, with the front wall left out in order to show the interior arrangement more clearly. Fig. 2 is a view of the lower part of the front wall of the furnace, showing the doors and registers therein.

In the drawing, A A is the furnace. B B B B are the smoke-flues. C C C C are the grates over the top. D is the fire. E is the smoke-house. F F F F are the projections on the inside of the walls. G G are the cross-bars thereon. H H are pieces of meat. I I are the doors of the furnace. J J are the registers in the same.

Having thus fully described the invention, what I claim as new, and desire to secure by Letters Patent, is—

The furnace A A, with its smoke-flues B B B B and grates C C C C, in combination with the doors I I and registers J J, the meat-house E, with the projections F F F F on the walls and the bars G G resting thereon, when arranged, constructed, and operated substantially as and for the purpose herein set forth.

JOHN W. STORY.

Witnesses:

E. F. HUYCK,
P. McCANN.