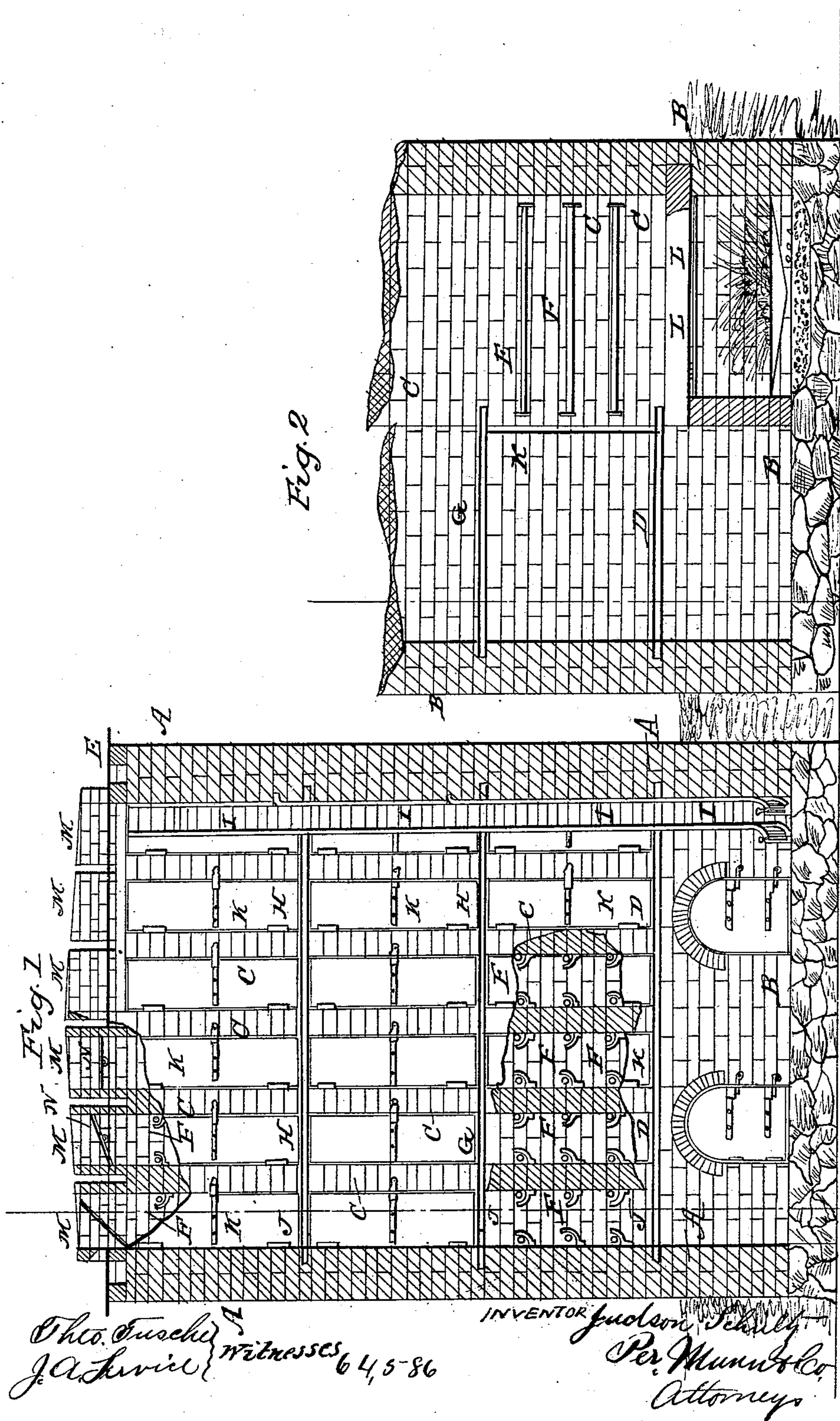


J. SCHULTZ.

Dry House.

No. 64,586.

Patented May 7, 1867.



United States Patent Office.

JUDSON SCHULTZ, OF ELLENVILLE, NEW YORK.

Letters Patent No. 64,586, dated May 7, 1867.

DRY-HOUSE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JUDSON SCHULTZ, of Ellenville, in the county of Ulster, and State of New York, have invented a new and improved Dry-House; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improved dry-house.

Figure 2 is a vertical cross-section of the lower part of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved dry-house so constructed and arranged that substances to be dried of different degrees of moisture may be kept separate, and so that each separate portion may be supplied with more or less heat and air as may be desired; and it consists in dividing a part of the dry-house into compartments by partitions extending from the second floor to the roof; in placing regulating dampers in the chimneys of the several compartments to regulate the escape of the heat and moisture; in forming the bottoms of the compartments of swinging doors or movable floors to regulate the admission of heat; and in the combination of floors, placed at suitable distances apart, with the partitions for convenience in handling the leather or other substance to be dried.

A are the end and B the side walls of the dry-house. B is the first or ground floor, upon which are placed the stoves, furnaces, or other heaters. C are the partitions, which extend from the second floor D to the roof E of the building, and which are placed at such a distance apart as will form convenient compartments to receive the hides or other substances to be dried. F are slats attached to the sides of the partitions C at suitable distances apart, so as to form racks for the convenient reception of the hides. The partitions C do not extend entirely across the building, but a space is left at one side where floors D G H, &c., are placed at suitable distances apart for convenience in handling the hides. The number of these floors will depend upon the height of the building, and they are connected by stairways, I. And through the said floors, at one corner, are formed the hatchways J for the elevator. K are doors closely closing up the openings into the drying compartments between the floors, so as to prevent the escape of heat from said compartments. The bottoms of the compartments are closed by swinging doors, L, which should be so arranged that they may be opened to any desired amount to regulate the admission of heat from the furnace room into the said compartments. The swinging doors L may, if desired, be replaced with removable boards or floors so as to be partially or wholly removed for the admission of the heat, as may be required. At the top of each compartment is formed a chimney, M, through which the moisture may escape, and by means of which a draught through the said compartments may be established. Each of the chimneys M is provided with a damper, N, by means of which the opening through the said chimneys may be wholly closed or opened to any desired extent. The dampers N may be operated by cords passing down along the inside of the wall of the building, or placed in any other convenient place.

By constructing the dry-house in the manner herein described, hides of different degrees of wetness may be hung in separate compartments so that the moisture from the wetter ones cannot dampen those nearly dry. And each compartment may be supplied with less or more heat and air as may be desired.

I claim as new, and desire to secure by Letters Patent—

The arrangement in the dry-house of the vertical partitions C, having slats F secured to their sides extending from the second floor D through the roof E, their upper ends forming chimneys M having dampers N, the lower ends provided with the heat-regulating doors L, and their front sides with doors K opening upon the floors D G H, &c., extending across one side of the dry-house, their inner edges meeting the inner edges of the partitions C, substantially as herein set forth and for the purpose specified.

Witnesses:

FRANK BRODHEAD.

CHAS. HALL.

JUDSON SCHULTZ.