

B. S. BROWN.

Improvement in Clothes Driers.

No. 124,248. Patented March 5, 1872.

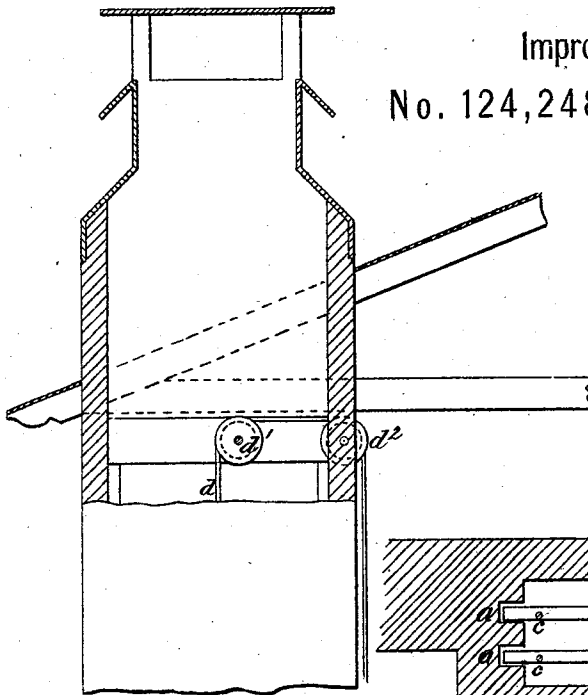


Fig. III.

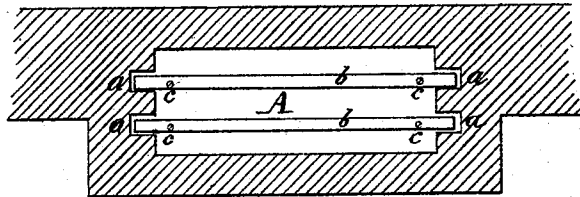
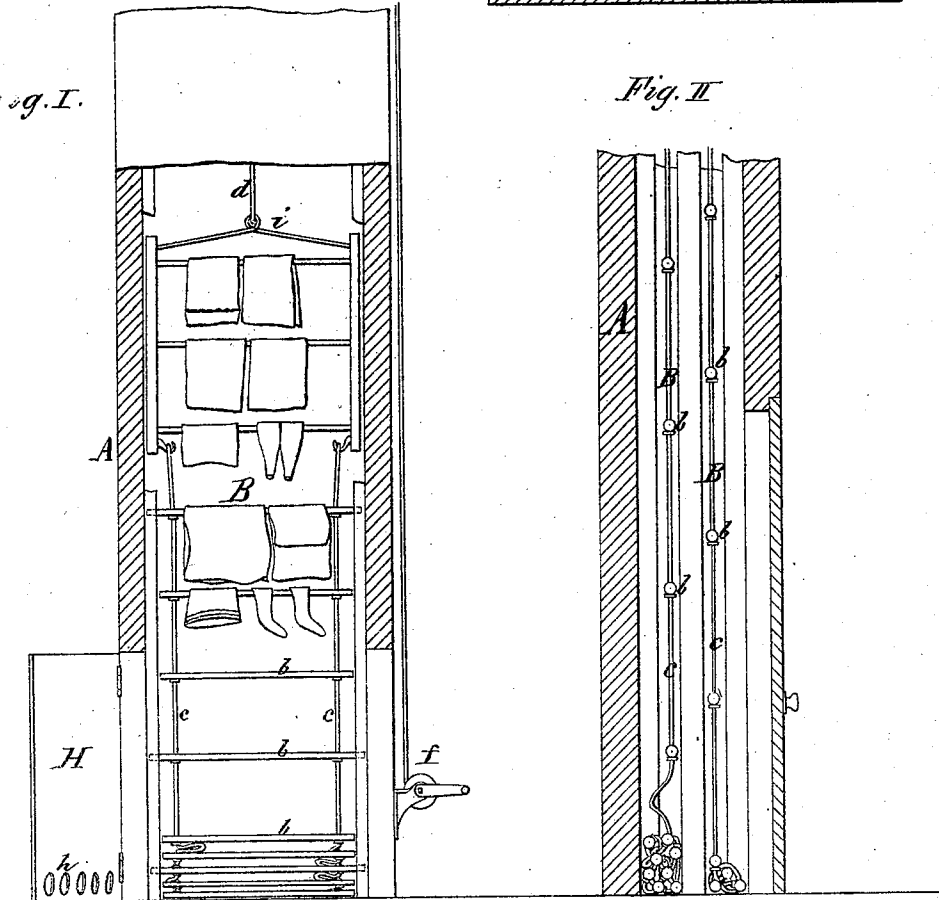


Fig. II

Fig. I.



John J. Bennett
Edward Wilhelm Witnesses

B. S. Brown Inventor
by Jay B. Galt Atty.

UNITED STATES PATENT OFFICE.

BENONI S. BROWN, OF NEW YORK, N. Y.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. 134,248, dated March 5, 1872.

SPECIFICATION.

I, BENONI S. BROWN, of the city of New York, in the county and State of New York, have invented certain Improvements in Clothes-Driers, of which the following is a specification:

My present improvements relate to an invention secured to me by Letters Patent of the United States, No. 100,114, dated February 22, 1870. The former invention consisted of the arrangement, in a vertical flue, of an endless rack, on which the clothes were arranged, and elevated and lowered by rotating the rack. The invention consists in the combination, in a vertical flue, preferably arranged in one of the walls of the building, of a series of horizontal bars connected by cords, and forming a folding rack, which, when not in use, folds up by the bars resting on top of each other on the bottom of the flue, and which, when required for use, is gradually filled with clothes and elevated by a rope and pulleys or equivalent means.

In the accompanying drawing, Figure I is an elevation of the flue with portions broken away to show the arrangement of the parts within. Fig. II is a fragmentary elevation at right angles to Fig. I on an enlarged scale. Fig. III is a sectional plan view of the flue.

Like letters designate like parts in each of the figures.

A is the flue, preferably rectangular in cross-section, and represented as formed in one of the walls of the building and extending from the bottom to the top thereof. B is the rack on which the clothes are arranged. It is constructed of horizontal bars *b b*, made of galvanized iron, wood, or other suitable material, and connected together and secured apart from each other by ropes *c c*, several or all of the bars *b* sliding in vertical ways *a a* formed on the inside of the flue. For elevating the rack I prefer to connect the ends of one or more of the bars by a rigid bail, *i*, to which is attached the end of a rope, *d*, suspended over

a pulley, *d'*, supported centrally in the flue near its top. From the pulley *d'* the rope passes over a second pulley, *d''*, whence it descends on the outside or inside of the flue, as desired, to a windlass, *f*, arranged at a convenient point near the bottom of the flue, by which the rack B is raised and lowered. The ropes *c c* of the rack connect with the rigid bars and bail *i*, as shown, or in any other suitable manner, so as to be elevated by the rope and pulley. When the apparatus is not in use the rack B is folded, the rods *b* resting on the bottom of the flue so as to take up very little space. When the drier is required to be used the rack B is gradually elevated by means of the windlass *f*, and the bars *b* are successively filled with clothes through the door at the bottom. The drying capacity of the apparatus may be increased by providing the flue with several ways and a corresponding number of folding racks arranged side by side, two of such racks being shown in Figs. II and III. The bottom of the flue is provided with a door, H, having air-inlet openings *h*, as in my former patent. The air or flue may be heated by any suitable means if desired, although ordinarily it is unnecessary. The air-inlet openings *h* may be provided with pipes leading to the lower story, or terminating outside of the building, for the purpose of introducing dry and pure air into the apparatus if the same cannot be obtained near the bottom of the flue.

My improved drier is compact, simple in construction, easily operated, and not liable to get out of order.

I claim as my invention—

The combination, in a vertical flue, of the folding rack B and rope and pulleys or equivalent means for raising and lowering the same, substantially as and for the purpose hereinbefore set forth.

B. S. BROWN.

Witnesses:

JAY HYATT,
JNO. J. BONNER.