(No Model.) 2 Sheets—Sheet 1.

G. L. GERARD.

CLOTHES DRIER.

No. 408,342. Patented Aug. 6, 1889.

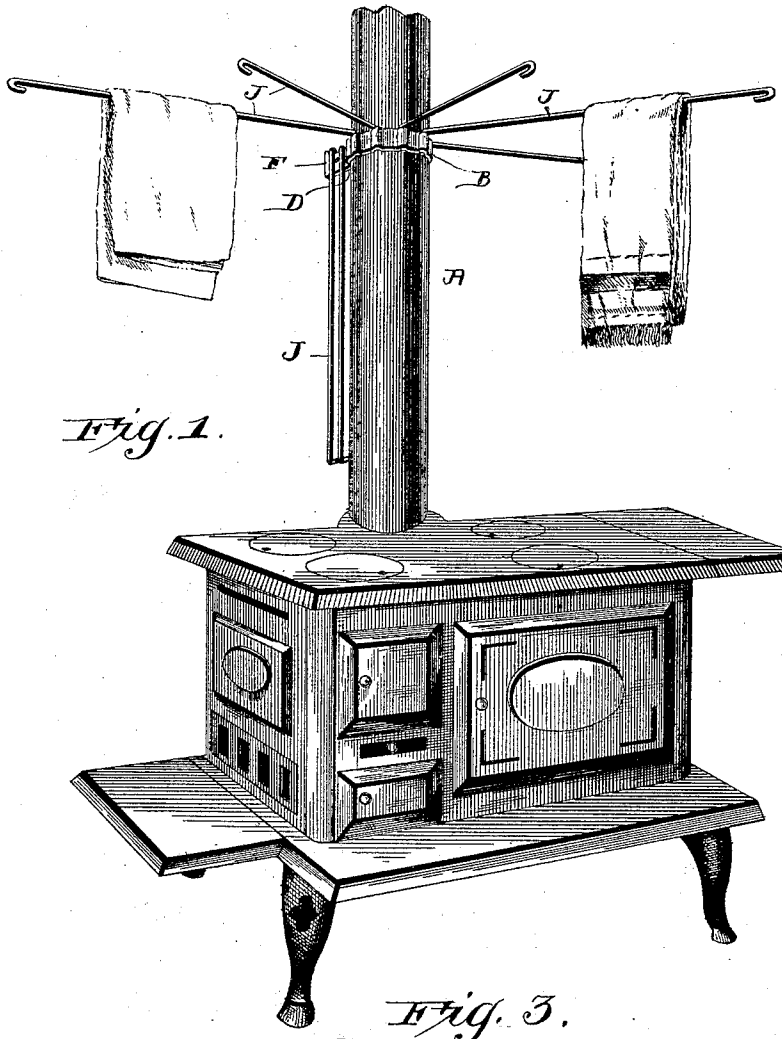


Fig. 1.

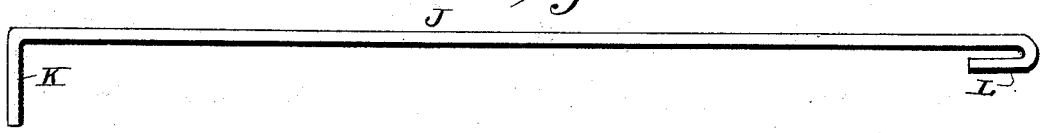


Fig. 3.

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(No Model.) 2 Sheets—Sheet 2.

G. L. GERARD.

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Fig. 2.

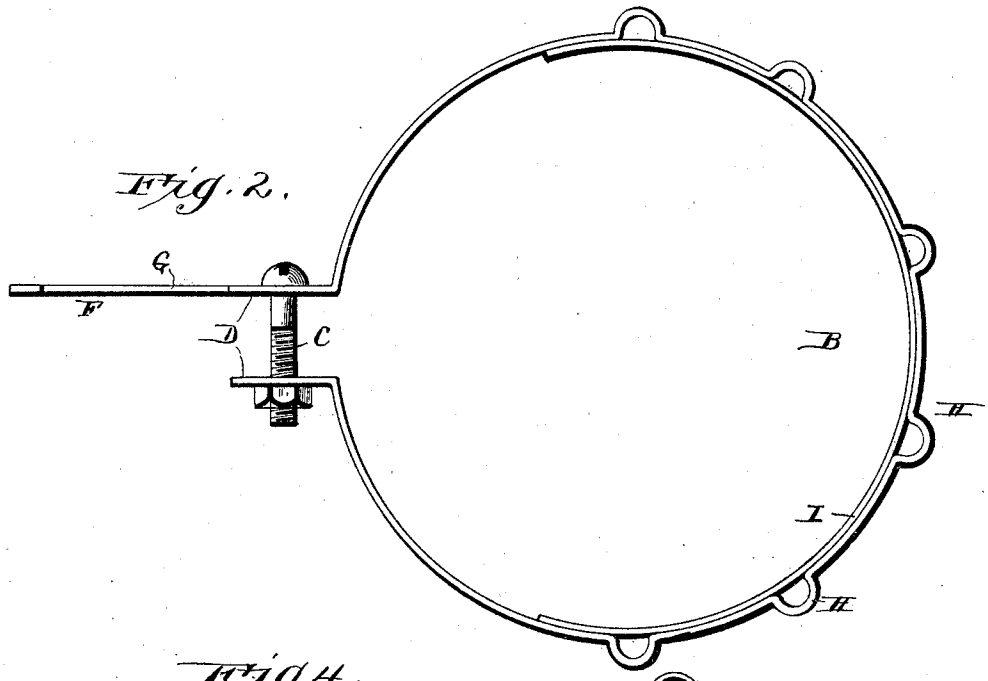


Fig. 4.

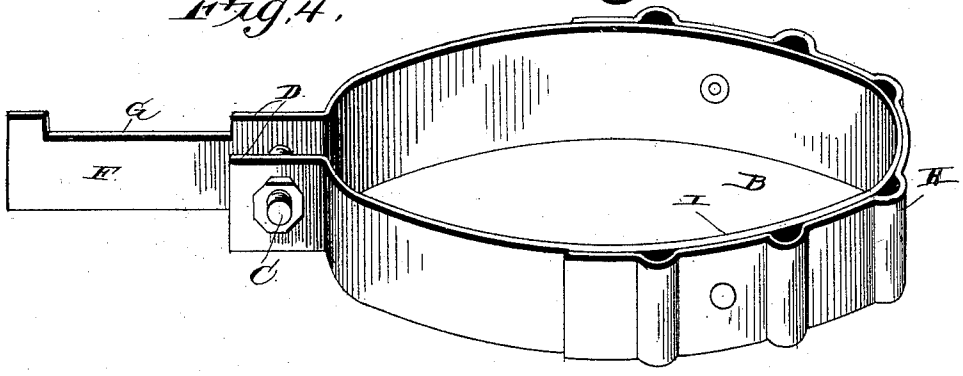
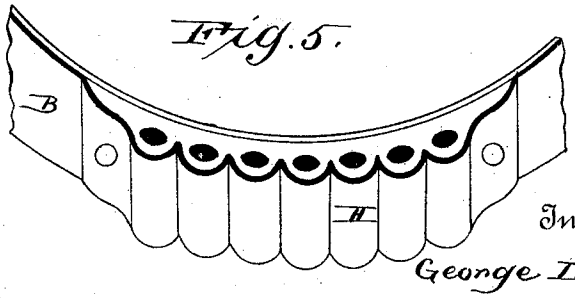


Fig. 5.



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UNITED STATES PATENT OFFICE.

GEORGE LYON GERARD, OF NEW HAVEN, CONNECTICUT.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 408,342, dated August 6, 1889.

Application filed January 23, 1889. Serial No. 297,315. (No model.)

To all whom it may concern:

Be it known that I, GEORGE LYON GERARD, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented new and useful Improvements in Clothes-Driers, of which the following is a specification.

My invention relates to improvements in clothes-driers; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved clothes-drier applied in position. Fig. 2 is a plan view of the supporting band or ring. Fig. 3 is a detail view of one of the drier-arms, and Figs. 4 and 5 are perspective views showing modified forms of the drier.

Referring to the drawings by letter, A designates a portion of an ordinary stove-pipe, and B designates the supporting band or ring of my drier. The said band or ring has its ends brought near together, and a securing screw or bolt C is inserted through the said ends, so as to clamp the said ring or band around the stove-pipe. The band is provided with the lateral lugs D at its ends to provide bearings for the securing screw or bolt, and one of the said lugs is extended so as to form a supporting-arm F, which is provided in its upper edge with an elongated longitudinal notch G. This supporting-arm F is intended to support the drier-arms when they are not in use.

The supporting arm or ring is provided at various points with the vertical corrugations H, which form journals or bearings for the drier-arms, and to the inner side of the supporting-band I secure the curved guard-plate I, which passes over the said corrugations, so as to prevent the ends of the drier-arms bearing against the stove-pipe and wearing the same away.

J designates the drier-arms, each of which is composed of a cylindrical metal bar of proper diameter having one end bent at right angles to its length, so as to form an axle or spindle K, which is inserted into one of the corrugations H when the device is in use. The free end of the drier-arm is bent backward or doubled on itself, so as to form a hook L, which is engaged over the upper edge of the extension or supporting-arm F between the ends of the notch G when the device is not in use. This hook L also presents a round surface at the free end of the drier-arm, so that the clothes are not liable to be torn when being placed on the drier.

From the foregoing description it is thought that the manner of using my improved clothes-drier will be readily understood. The supporting-band is clamped around the stove-pipe, and the drier-arms not in use are hung on the extension or supporting-arm projecting from the said band. The drier-arms are caused to engage the corrugations of the supporting-band and project outward therefrom, as clearly shown. The clothes to be dried are then placed upon the said arms.

Any number of the drier-arms may be used, according to the number of articles of clothing to be dried, and the drier-arms are free to turn in a horizontal plane, so that the clothes may be placed over the same easily, as will be readily understood.

The supporting-band may be provided with any number of corrugations, so that the capacity of the drier can be made equal to all demands, and the drier-arms not in use, being hung on the supporting-arm or extension projecting from the end of the supporting band or ring, will be always within convenient reach and not liable to be lost. If so desired, the supporting-arm F, instead of being made integral with the band or ring, may be made separate therefrom and secured thereto; but I prefer to make it integral with the band.

In Fig. 4 I have shown the supporting-band as being made plain and the corrugations being formed in a metallic strap secured to the outer side of the band, and in Fig. 5 I have shown the corrugations or bearings for the drier-arms as formed in a casting which is secured to the supporting-band. It will be seen at once that these variations in the construction of the device involve no departure from my invention. In both cases there is a portion of the band interposed between the pipe and the bent journaled end of the drier-arms.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the supporting-band

adapted to be clamped around a stove-pipe and provided with a horizontal supporting-arm having a longitudinal notch in its upper edge and the drier-arms removably supported by the said band or ring, as set forth.

2. The combination of the band or ring adapted to be clamped around the stove-pipe and having vertical corrugations, the guard-plate secured to the inner side of the band and extending over the corrugations, and the drier-arms having their ends engaging said corrugations, as set forth.

3. The drier-arm consisting of a cylindrical rod having one end bent at right angles to its length and its other end bent back or doubled on itself, as and for the purposes set forth.

4. The combination of the band or ring adapted to be clamped around a stove-pipe and provided with a series of vertical bearings H and an arm F, and the removable drier-arms, each consisting of a rod having one end bent at a right angle to form a spindle K, adapted to engage one of the bearings H, and having its other end doubled on itself to form the hook L, adapted to engage the arm F, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE LYON GERARD.

Witnesses:
R. J. MARSHALL,
J. K. SIGGERS.