(No Model.)

C. L. WILLIAMS.

CLOTHES LINE FRAME.

No. 352,021. Patented Nov. 2, 1886.

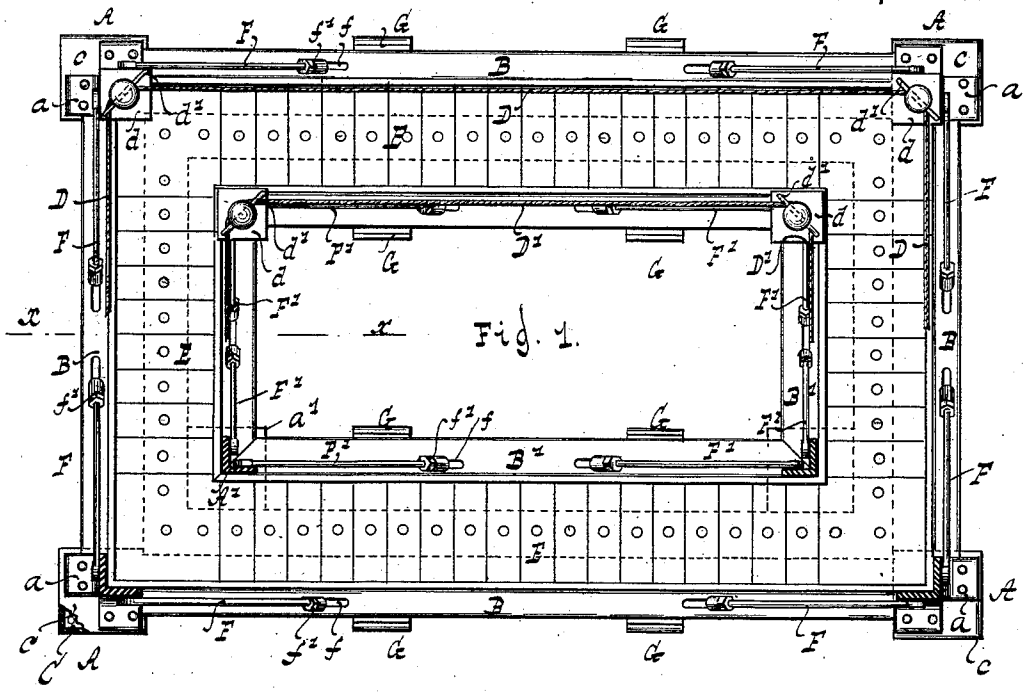


Fig. 1.

Fig. 2.

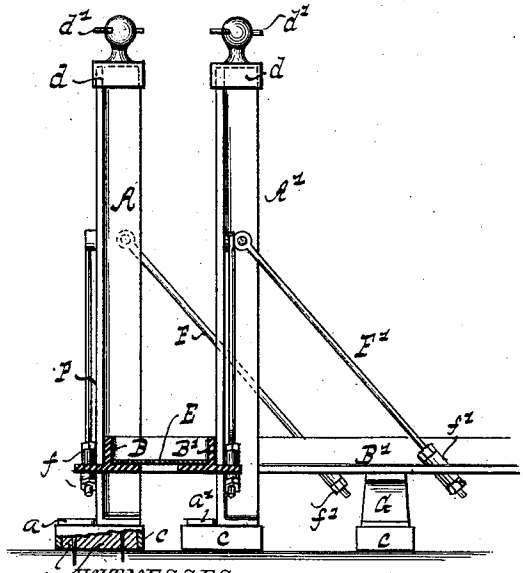
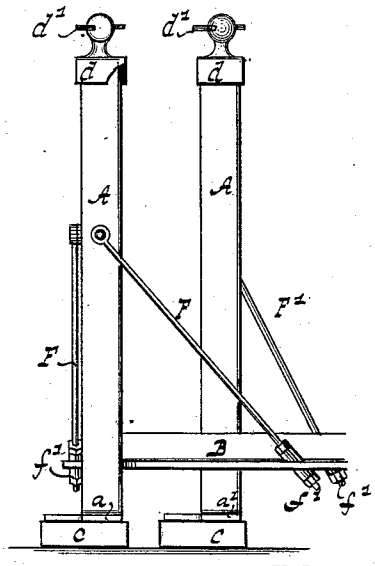


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHESTER L. WILLIAMS, OF NEW YORK, N. Y.

CLOTHES-LINE FRAME.

SPECIFICATION forming part of Letters Patent No. 352,021, dated November 2, 1886.

Application filed August 5, 1886. Serial No. 210,095. (No model.)

To all whom it may concern:

Be it known that I, CHESTER L. WILLIAMS, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Clothes-Line Frames, of which the following is a specification.

My invention relates to improvements in clothes-line frames such as are especially adapted to be set up on roofs; and it consists, essentially, in two or more frames, which are placed one within the other at a proper distance apart, and a path or paths extending between said frames and supported by the same.

My invention, which is an improvement on the clothes-frame shown and described in Letters Patent No. 317,258, granted to me, has for its object to provide a light, strong, and fire-proof clothes-frame, which affords a maximum length of line for hanging on the clothes, while occupying no more space than that described in the Letters Patent referred to.

My invention is more fully described in the following specification and claims and illustrated in the accompanying drawings, in which—

Figure 1 represents a plan or top view with part of the frame in section. Fig. 2 is a vertical section in the plane *x x*, Fig. 1, of part of the frame. Fig. 3 is an end elevation of the same.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates the iron corner-posts of the outer frame, which, in this example, is shown to be rectangular in outline; but it can be built in the shape of an ellipse or circle, as may be desired.

B are the girders, which are secured to the posts at their ends, thus forming a stiff frame. A′ are the posts of the inner frame, and B′ are the girders thereof, the latter frame being constructed on a smaller scale than the first frame, so that it can be placed within the same. Between the two frames is a path, E, upon which the person hanging the clothes can walk.

In securing the iron posts A A′ of the two frames, I first split the metal composing the post at the lower end in such a manner as to form a foot-flange, *a a′*, to which is secured a hollow box-shaped foot, *c*, having a socket. The sockets are adapted to fit over blocks or bases C, of wood or other suitable material, that are secured to the roof by nails or other means in their proper positions, whereby the posts are securely held to the roof, but can be readily removed without injury to the roof, which is necessary, especially when the frame is set up on tin roofs.

The outer and inner girders, B and B′, both consist of angle-iron of usual construction, and the said girders, being arranged in substantially one and the same plane, form ledges for the support of the path E, which consists of a grating, preferably formed of a number of slats or sections, so that it can be readily removed and replaced. This path extends completely around the frames, and access can be had to all points of the clothes-line D D′. These clothes-lines are secured to the tops of the posts A and A′, thereby forming two separate and distinct sets of lines.

The lines D D′ can be secured to the posts in any desired manner; but, as shown in the drawings, I prefer to secure them to tops or caps *d d*, each of which is provided with a socket that fits over the top of its post. Cleats *d′ d′*, extending through said tops or caps, facilitate the fastening of the lines to the posts.

Roofs of dwellings are generally inclined, and in order that the frames may be adapted to the various inclines I provide suitably-inclined braces F F′, each of which has an eye at one end, which is secured to the respective post, and at its other end is a threaded portion, which extends through a slot, *f*, in the angle-iron. Upon each side of the iron is a nut and washer, *f′*, whereby the braces can be held firmly at the angle set. By shifting the nuts the posts can be firmly secured.

All the parts forming the frame are best united with the use of bolts, so that the same can be readily taken apart and removed.

In constructing the frame, all the posts, girders, and braces are preferably made of wrought-iron, so that a perfectly fire-proof frame is obtained. The path E is located about eight inches above the level of the roof, so that access to the same can readily be had, and the roof is protected from wear. To support the path, one or more intermediate supports, G,

can be located beneath said path, such supports being secured to the roof in the same manner as the posts.

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

1. A clothes-line frame consisting of two frames, one located within the other, and a path suspended between said frames, substantially as shown and described.

2. A clothes-line frame consisting of two frames, one located within the other, each frame composed of corner-posts, and girders secured to the posts, and a grating situated between the frames, and supported by the girders, substantially as shown and described.

3. A fire-proof clothes-line frame consisting of upright angle-iron corner-posts A A′, having their lower ends provided with a socket, blocks or feet secured to the base and fitting said sockets, angle-iron girders B B′, secured to the corner-posts, and a path, E, supported upon the girders, substantially as shown and described.

4. A fire-proof clothes-line frame consisting of upright angle-iron posts A A′, having their lower ends split and bent outward to form foot-flanges, sockets secured to said foot-flanges, blocks or feet fastened to a base and fitting the sockets, angle-iron girders B B′, secured to the corner-posts, the inclined braces F F′ between the girders and the posts, and the path E, extending between the corner-posts and the girders, substantially as shown and described.

5. A fire-proof clothes-line frame consisting of upright corner-posts A A′, secured to a base, the girders B B′, secured to the posts A A′, and the caps or tops fitting the upper ends of the posts, in combination with a grating supported upon the girders, substantially as shown and described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CHESTER L. WILLIAMS.

Witnesses:
W. HAUFF,
E. F. KASTENHUBER.