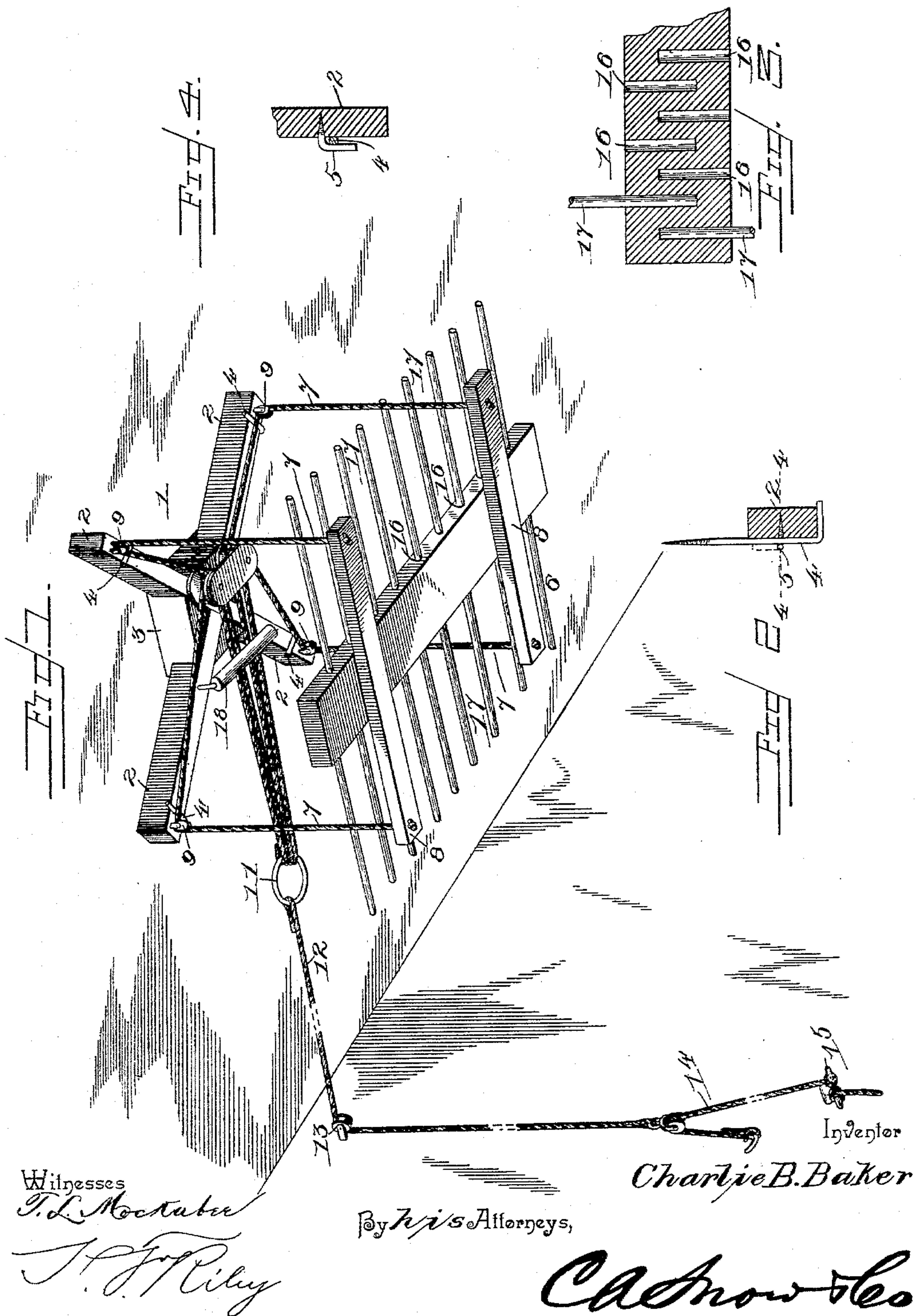


(No Model.)

C. B. BAKER.  
CLOTHES DRIER.

No. 593,186.

Patented Nov. 9, 1897.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.



# UNITED STATES PATENT OFFICE.

CHARLIE BENTON BAKER, OF SALTILLOVILLE, INDIANA.

## CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 593,186, dated November 9, 1897.

Application filed April 29, 1896. Serial No. 589,569. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLIE BENTON BAKER, a citizen of the United States, residing at Saltilloville, in the county of Washington and State of Indiana, have invented a new and useful Clothes-Drier, of which the following is a specification.

The invention relates to improvements in clothes-driers.

10 The object of the present invention is to improve the construction of clothes-driers and to provide a simple, inexpensive, and efficient one adapted to be readily suspended from a ceiling and capable of compactly  
15 hanging the clothes out of the way adjacent to the ceiling, where the air is the warmest and is best adapted for rapidly drying the clothes.

20 A further object of the invention is to enable the clothes to be readily placed on and removed from the drier and to permit the latter to be readily removed from the ceiling when desired.

25 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

30 In the drawings, Figure 1 is a perspective view of a clothes-drier constructed in accordance with this invention. Fig. 2 is a detail sectional view illustrating the construction of the fastening devices for attaching the supporting-frame to a ceiling. Fig. 3 is a detail  
35 sectional view illustrating the manner of detachably securing the drier-arms to the longitudinal bar of the drier-frame. Fig. 4 is a detail sectional view on line 4 4 of Fig. 2.

40 Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a supporting-frame detachably secured to a ceiling and composed of crossed diagonally-disposed bars 2, centrally  
45 secured to a block or head 3 and arranged in L-shaped hooks or hangers 4, provided with threaded shanks and arranged to engage the joists of a building in order to afford a firm support. The outer portions of the bars of  
50 the supporting-frame are retained in the L-shaped hooks or hangers by pivoted locking devices 5, consisting of shanks forming the

pivots and arms extending from the shanks at right angles and adapted to engage the shanks of the L-shaped hooks or hangers. 55 Two of the arms are provided with pivoted locking devices or buttons, and this number is sufficient for securely retaining the supporting-frame in the L-shaped hangers or hooks. The pivoted locking devices are  
60 adapted to be turned out of engagement with the hooks when it is desired to remove the supporting-frame.

A drier-frame 6 is suspended from the supporting-frame by cords or ropes 7 or other  
65 similar connections. The cords or ropes 7 are secured at their lower terminals to the supporting-frame at the ends of parallel bars 8 and extend upward to pulleys 9, which are arranged at the outer ends of the crossed bars  
70 2 of the supporting-frame, and they then extend to a pair of pulleys 10, mounted on the supporting-frame at the block or head thereof. The upper terminals of the cords or ropes are attached to a ring 11, which is connected  
75 with one end of a hoisting rope or cord 12, and the latter extends horizontally from the supporting-frame to a pulley 13, which is mounted on one of the walls of the room. The hoisting rope or cord 12 is provided at its outer or  
80 lower end with a pulley, through which passes a securing rope or cord 14, which has one end attached to the wall at a point below the pulley 13 and which is adapted to be connected to a hook 15 for holding the drier-frame at  
85 any desired adjustment.

The L-shaped hooks or hangers are disposed away from the wall on which the pulley 13 is mounted, so that the tension or strain on the hoisting-rope will operate to retain the  
90 supporting-frame on the horizontal arms of the hooks or hangers and against the vertical arms of the same. The pulley 13 is detachably secured to the wall by means of a screw, hook, or the like. 95

The drier-frame comprises a longitudinal bar and the cross-bars 8, which are arranged parallel with each other. The longitudinal bar is provided at its side edges with a series of sockets 16, receiving drier-arms 17, which  
100 are detachable and which consist of rods.

The sockets at one edge of the longitudinal bar are arranged opposite the intervals between the sockets at the other edge of the lon-



5 longitudinal bar, and both sets or series of sockets extend inward through the bar beyond the center thereof to cause the inserted portions of the drier-arms to overlap, whereby the bar is strengthened and is prevented from splitting lengthwise. This construction enables a lighter bar to be employed than would be the case were the drier-arms to extend only half-way through the longitudinal bar or a less distance.

10 The drier-arms may be of any desired number and are detachable to facilitate mounting the clothes to be dried on the drier-frame and also to enable them to be removed from the drier-frame when the clothes-drier is not in use, in order to keep them perfectly clean to avoid soiling clothes.

15 The supporting-frame is provided with a pulley or roller 18, located a short distance from the pulleys or rollers 10 and adapted to be employed when the hoisting-rope is not connected with the pulley 13 of the side wall.

20 It will be seen that the clothes-drier is exceedingly simple and inexpensive in construction, that it is adapted to be readily applied to a ceiling and is quickly removed therefrom, and that it is capable of enabling clothes to be hung close to the ceiling where the air is the warmest and best adapted for drying clothes.

25 Changes in the form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

30 What I claim is—

35 1. In a clothes-drier, the combination of a supporting-frame composed of crossed bars centrally connected, pulleys 9 arranged at the ends of the crossed bars, a pair of pulleys 10 centrally mounted on the supporting-frame,

a drier-frame, supporting-ropes extending upward from the drier-frame, passing over the pulleys 9 and extending to the center of the supporting-frame and passing around and between the pair of pulleys 10, the inner portions of said supporting-ropes extending from the pulleys 10 in the same direction, the pulley 18 mounted on the supporting-frame and extending beneath the inner portions of said ropes, the pulley 13 designed to be mounted on a wall in the same plane as the other pulley, a rope 12 passing over the pulley 13 and having its upper end connected with each of the supporting-ropes and provided at its lower end with a pulley, a rope 14 passing over the latter and having one end permanently secured to a suitable support and adapted to have its other end detachably connected with the same, and means for mounting the supporting-frame at the ceiling of the room, substantially as described.

2. In a clothes-drier, the combination of a supporting-frame composed of crossed bars, the L-shaped hangers designed to be secured permanently to and depend from a ceiling and having their horizontal portions receiving and supporting the crossed bars, and the pivoted locking devices mounted on the crossed bars and engaging the vertical portions of the hangers, and adapted to be turned out of such engagement to permit the removal of the supporting-frame, substantially as described.

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

CHARLIE BENTON BAKER.

Witnesses:

ELMA C. WIRES,  
JOSEPH L. SHANKS.