

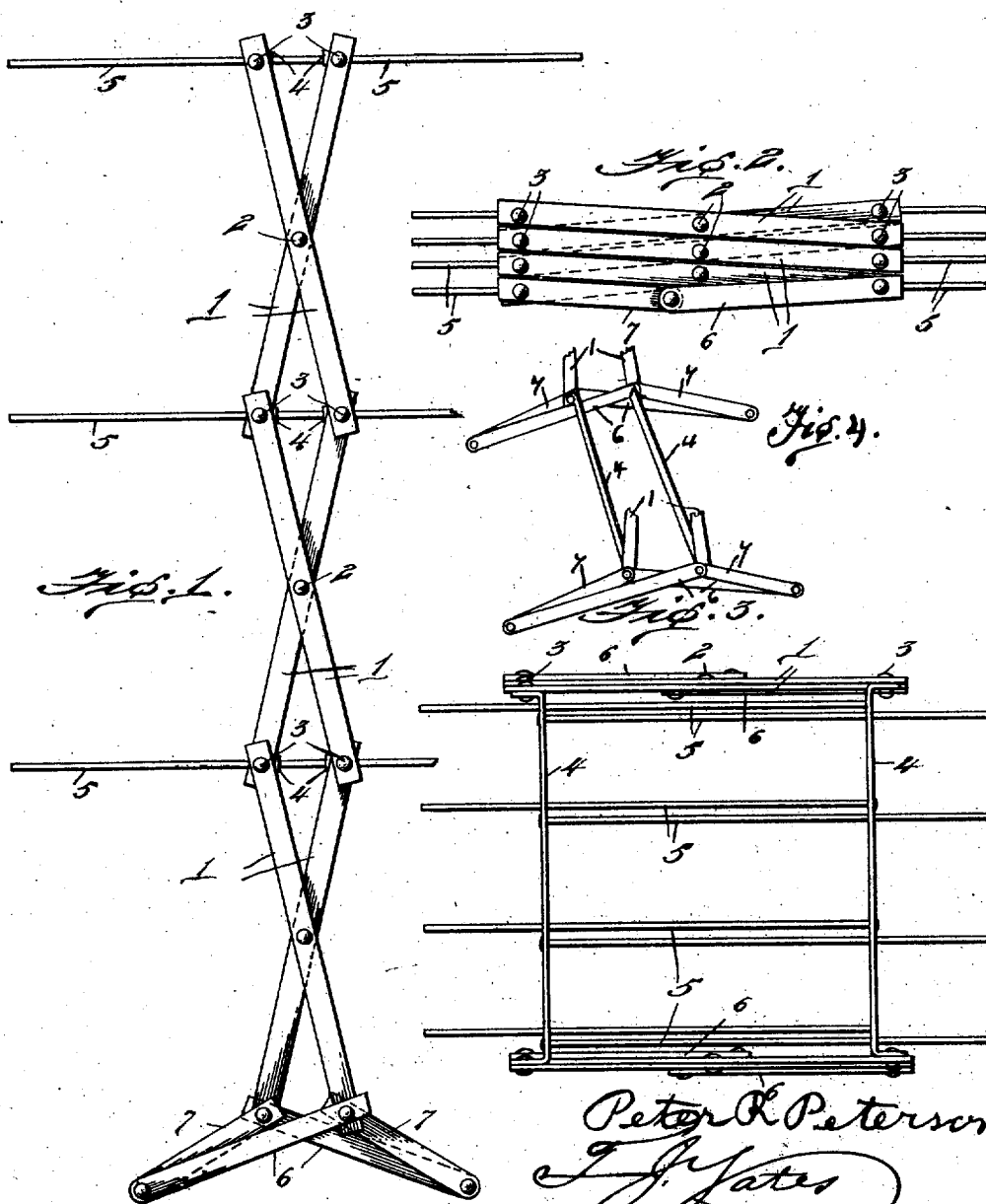
T. J. YATES & P. R. PETERSON.

CLOTHES DRIER.

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972,590.

Patented Oct. 11, 1910.



Witnesses
E. M. Gault
A. G. Moore

Peter R. Peterson
T. J. Yates
Inventors
O. H. Moore
Attorney

UNITED STATES PATENT OFFICE.

THOMAS J. YATES AND PETER R. PETERSON, OF SALT LAKE CITY, UTAH.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, THOMAS J. YATES and PETER R. PETERSON, citizens of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Clothes-Driers, of which the following is a specification.

Our invention relates to improvements in clothes driers, and the leading object of our invention is the provision of a device of this character which will when extended present a large drying surface, and which when not in use can be quickly folded into very small compass.

Another object of this invention is the provision of a cheap, durable clothes drier of the highest efficiency which can be manufactured at so low a price as to be within the reach of all.

With these and other objects in view, our invention consists in the novel features of construction and combination and arrangement of parts for service substantially as described and as illustrated in the accompanying drawings, which show a clothes drier constructed in accordance with and embodying the principles of our invention.

Figure 1, is a side elevation of our drier in extended position. Fig. 2, is a similar view with the device closed or folded, and Fig. 3, is a view of the device as shown in Fig. 2, looking at the device from above. Fig. 4 represents a perspective view of the base of our device, illustrating the means for locking the rack in open position, the side bars being broken away and the upper portion of the device removed to permit the base to be seen more clearly.

In the drawings: the numeral 1 designates the pivoted side members or rods which are pivoted together intermediate their length by the pins or bolts 2, while the ends of the various pairs of rods are pivotally joined by the pins 3, the whole forming a lazy tongs device. To connect the two sets of side members and hold them in spaced relation, we employ the bars 4, having their ends bent at right angles to the body of the bar and secured in place by the pins 3, which pass through openings in said angular ends.

At opposite points at intervals on the bars 4 are provided pairs of openings through which are passed the clothes supporting arms or rods 5, one of the rods 5 being se-

cured in and the other having sliding engagement in the pair of openings in each bar, the rods being suitably secured alternately in the opposite bars. The bars 4, at the lower end of the device are not provided with these arms, but serve merely to brace the lower end thereof and the locking and supporting means. Said locking means comprises a long lever 6 and a short lever 7 pivoted to the end of each of the bottom side members, the free end of the short lever on one side rod being pivoted to the free end of the long lever on the other side rod.

From the foregoing description the construction and operation of our device will be readily understood. When it is desired to use the drier, the device is raised, and as it is vertically extended, the lazy tongs movement of the side members causes the bars 4 to approach each other and the rods 5 slide through the openings therein and remain in horizontal extended position, as will be seen by reference to Fig. 1. At the same time the levers 6, as the bars 4 approach, having the motion of their outer ends limited by connection with the levers 7, are forced to move in an arc until they reach the position seen in Fig. 1, their further movement being prevented by the contact of the inner lever on each side with the lowest bars 4, and the weight of the device bearing against the lower ends of said levers, locks them and thus the device in extended position, thus providing a solid, firm base as will be readily seen by reference to Fig. 1.

We claim:

1. In a clothes drier of the lazy tongs type, the combination with the side rods intermediately pivotally secured in pairs, the ends of each pair being pivotally connected to the adjacent pair, there being a similar set on each side of the device, of connections between the members on opposite sides secured to the pivotal connections of the adjacent pairs of side members, said connections having openings formed therein, and clothes supporting means passed through said openings and alternately secured to and having sliding engagement with said connections.

2. The combination with a pair of rods pivotally secured together intermediate their length a similar pair of rods spaced from said first named pair, of means pivotally connected to the ends of the rods of one pair and to the ends of the rods of the other pair,

and clothes supporting means secured to certain connecting means and loosely supported by the others.

3. In a device of the character described, 5 the combination with the sides composed of spaced pairs of pivoted rods, a pair of links of unequal length pivotally secured to the lower end of each of the rods, the long link of each pair having its free end pivotally 10 secured to the short link of the other pair on each side, and means connecting the rods of one pair with the rods of the other pair, said means being adapted to contact with a link of one pair on each side of the device 15 whereby the downward collapse of the other pair of links on each side of the device is prevented and a firm but foldable base is formed for both sides of the device.

4. In a device of the character described, 20 the combination of side members, each of said members being composed of a pair of intermediately pivoted bars, of plates con-

necting the corresponding ends of the bars of one side member with bars of the other side member, clothes supporting means se- 25 cured to the top connecting plates said supports extending across the device when open, a pair of links of unequal length pivotally secured to the lower end of each of the bars, the free end of the longer link 30 being secured to the free end of the shorter link carried by the other bar of the side member, and one of the longer links on each side being so disposed as to contact with one of the bottom plates to limit the movement 35 of the links.

In testimony whereof we affix our signatures, in presence of two witnesses.

THOMAS J. YATES.
PETER R. PETERSON.

Witnesses:

J. LEO FAIRBANKS,
W. B. PASSEY.