

(No Model.)

G. FINKBEINER.
CLOTHES DRIER.

No. 531,524.

Patented Dec. 25, 1894.

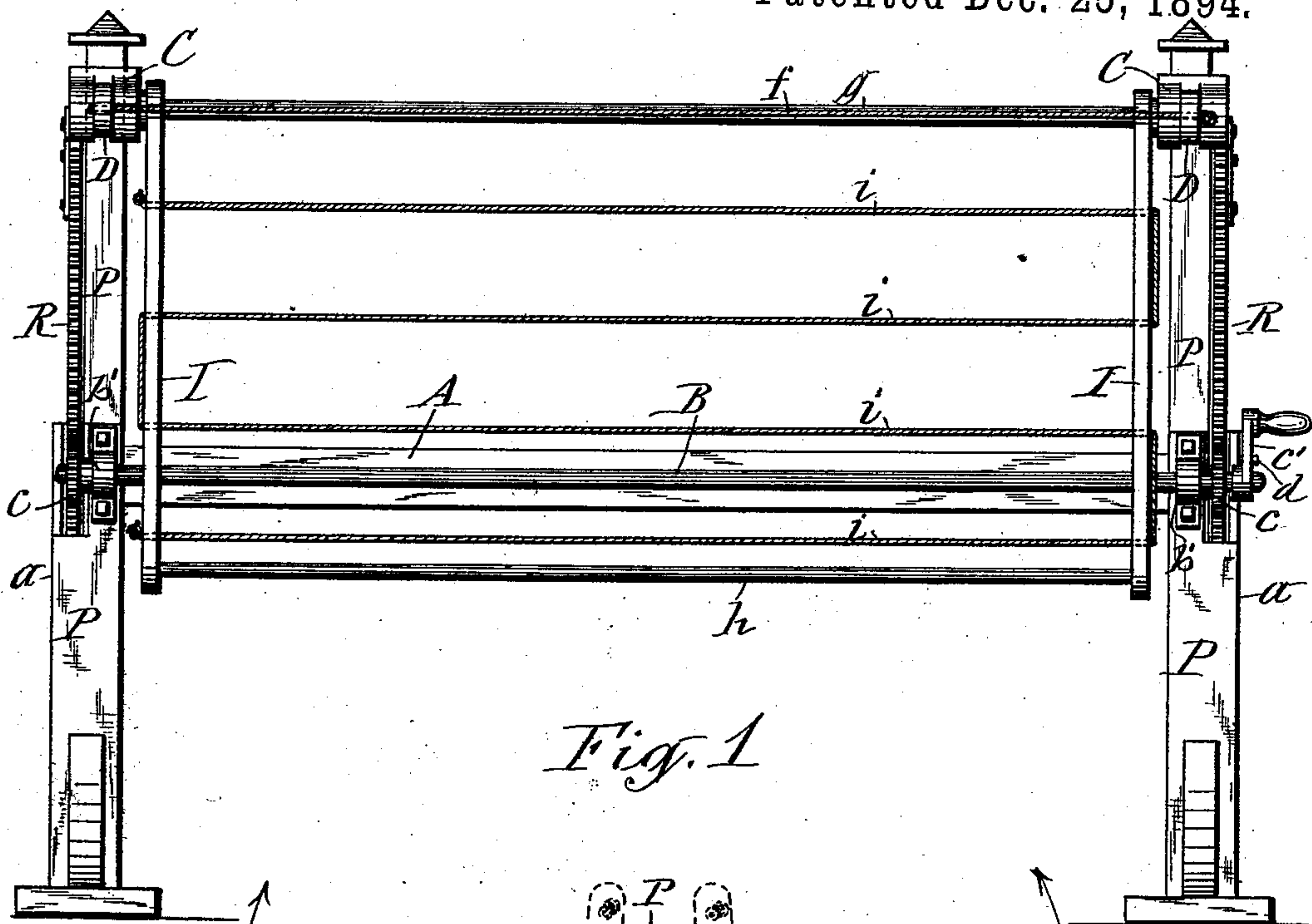


Fig. 1

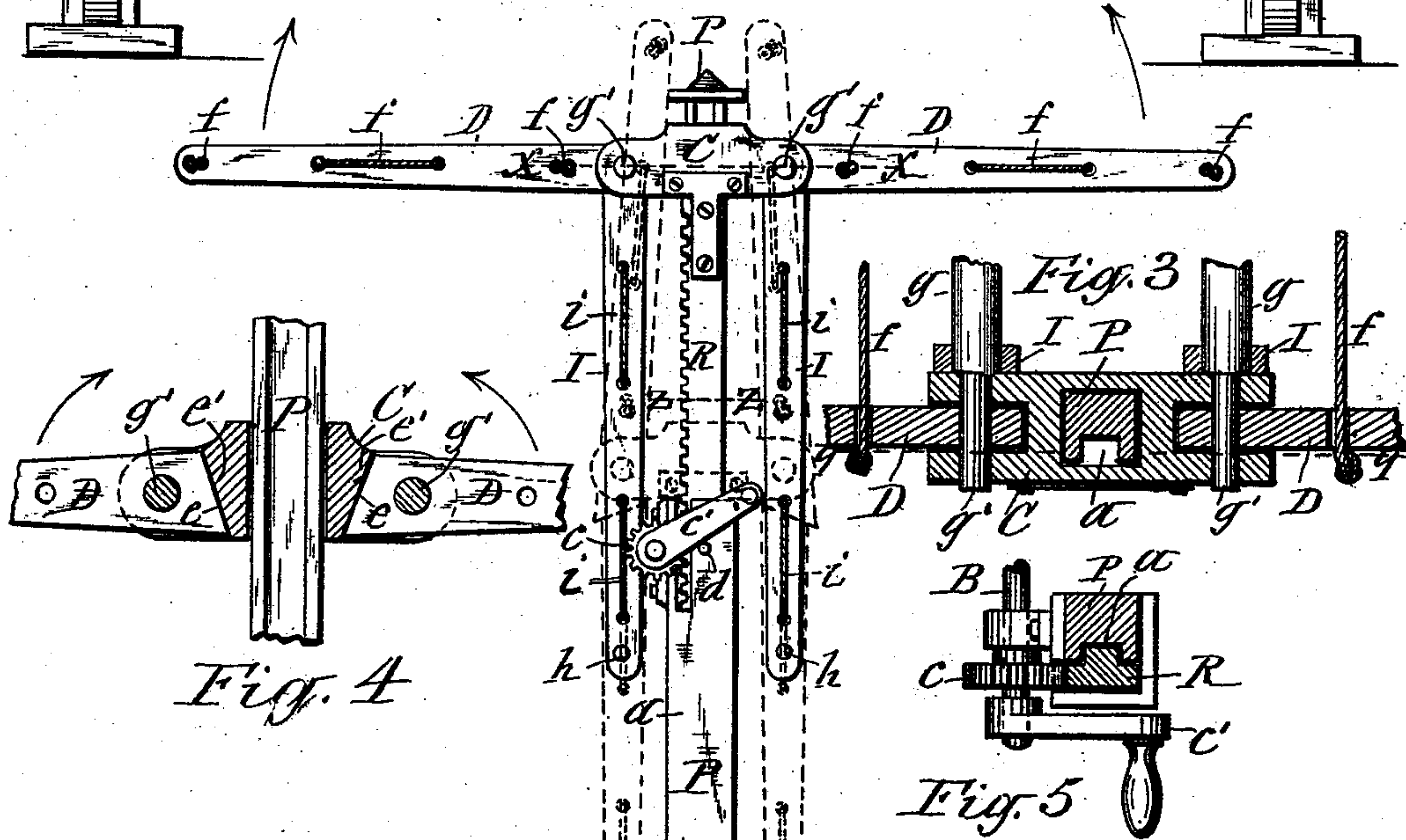


Fig. 2

WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE FINKBEINER, OF SYRACUSE, NEW YORK.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 531,524, dated December 25, 1894.

Application filed September 18, 1894. Serial No. 523,360. (No model.)

To all whom it may concern:

Be it known that I, GEORGE FINKBEINER, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Clothes-Driers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the class of clothes-driers which are extensible in height to carry the clothes lines or clothes-supporting bars at a greater or less elevation from the ground or floor; and the invention consists in an improved construction and combination of the component parts of a clothes-drier, which is adjustable as aforesaid and at the same time possesses increased capacity of supporting clothes to be dried and is capable of being folded compactly to occupy a comparatively small space all as hereinafter more fully described and specifically set forth in the claims.

In the annexed drawings Figure 1 is a side-elevation of my improved clothes-drier distended to its fullest capacity. Fig. 2 is an end elevation of the same and showing by dotted lines its folded condition. Fig. 3 is an enlarged horizontal transverse section on line —X—X— in Fig. 2. Fig. 4 is a vertical transverse section on line —Y—Y— in Fig. 3 and Fig. 5 is a horizontal transverse section on line —Z—Z— in Fig. 2.

Similar letters of reference indicate corresponding parts.

—P—P— represent two posts which are firmly secured in erect positions and braced by a strut-bar —A— extending from post to post at or near the upper ends thereof, and rigidly attached thereto. On each of said posts is a cross-head —C— fitted to slide vertically thereon and sustained adjustably to different elevations preferably by means of racks —R—R— fixed in pendent positions to the cross-heads and sliding in guides —a— on the posts —P—P—. A shaft —B— is journaled at opposite ends in bearings —b'—b'— on the two posts and has secured to it pinions —c— c— which engage the racks —R—R—. By means of a crank —c'— attached to the shaft, the latter can be turned to cause the racks and pinions to raise or lower the cross-heads —C—C— as may be desired. By inserting a

pin —d— in a socket provided in the post and in the path of the crank, said crank is locked to retain the cross-heads in their elevated positions. To both ends of each cross-head are pivoted arms —D—D— which are provided at their pivoted ends with shoulders —e—e— engaging corresponding shoulders —e'—e'— on the cross-heads to sustain the arms in horizontal position, from which position said arms are adapted to be swung up to a converged or inwardly inclined position over the posts —P—P— as indicated by dotted lines in Fig. 2 of the drawings. From the arms on one cross-head to the corresponding arms on the other cross-head are extended a series of clothes-lines or bars —f—f—. When clothes-lines are employed as represented in the annexed drawings, I brace the cross-heads to resist the tension of the lines by means of bars —g—g— formed with tenons —g'—g'— on their ends, which tenons pass through the cross-heads and have the arms —D—D— pivoted to them as more clearly shown in Fig. 3 of the drawings. Said bars are shouldered on the cross-heads to retain the latter a uniform distance apart. On each bar —g— adjacent to the cross-heads is hung another pair of arms —I— the free ends of which are held a requisite distance apart by a strut-bar —h—. To each of said pair of arms is connected a series of clothes lines —i—i— and thus the described clothes-drier is provided with four sets of clothes-lines. The two sets which are on the pivoted arms —D—D— can be placed in horizontal or approximately horizontal position while the other two sets are sustained in vertical planes beneath the horizontally disposed sets.

To apply the clothes to the lines, the cross-heads —C—C— are to be lowered to render the clothes-lines conveniently accessible and after the clothes are hung on the lines the entire sets of clothes-lines can be raised a desired distance from the ground by turning the crank —c'—.

To remove the clothes from the drier, the cross-heads —C—C— are to be lowered by turning the aforesaid crank in the opposite direction, and after the clothes are removed, the arms —D—D— can be swung up and out of the way leaving the drier in a narrow and

compact shape as shown by dotted lines in Fig. 2 of the drawings.

What I claim as my invention is—

1. The combination, with the posts —P—P,
5 of the cross-heads—C—C—, clothes-line arms
—D—D— connected to said cross-heads adjustably from a horizontally distended position to a vertically folded position, and the clothes-line bars—I—I—suspended from said
10 cross-heads as set forth.

2. A clothes-drier comprising two posts, cross-heads sliding vertically on said posts and sustained adjustably to different elevations thereon, two pairs of arms pivoted re-
15 spectively to opposite ends of the cross-heads to swing upward from horizontal to convergent positions over the posts, shoulders on the pivoted ends of the arms engaging the cross-heads and sustaining said arms in their hori-
20 zontal positions, and clothes-lines or bars extending from the arms of one cross-head to

the corresponding arms of the opposite cross-head as set forth.

3. The combination of two posts, a strut-bar between the upper ends of said posts, 25 cross-heads sliding vertically on the posts, vertical racks attached to said cross-heads, a shaft journaled at opposite ends on the two posts, pinions on said shaft engaging the racks, a crank attached to the shaft, two pairs 30 of arms pivoted respectively to the ends of the two cross-heads to swing from horizontal positions upward to convergent positions over the posts, and two sets of clothes-lines or bars connected at opposite ends to the two pairs 35 of arms as set forth.

In testimony whereof I have hereunto signed my name this 6th day of August, 1894.

GEORGE FINKBEINER. [L. S.]

Witnesses:

J. J. LAASS,

C. L. BENDIXON.