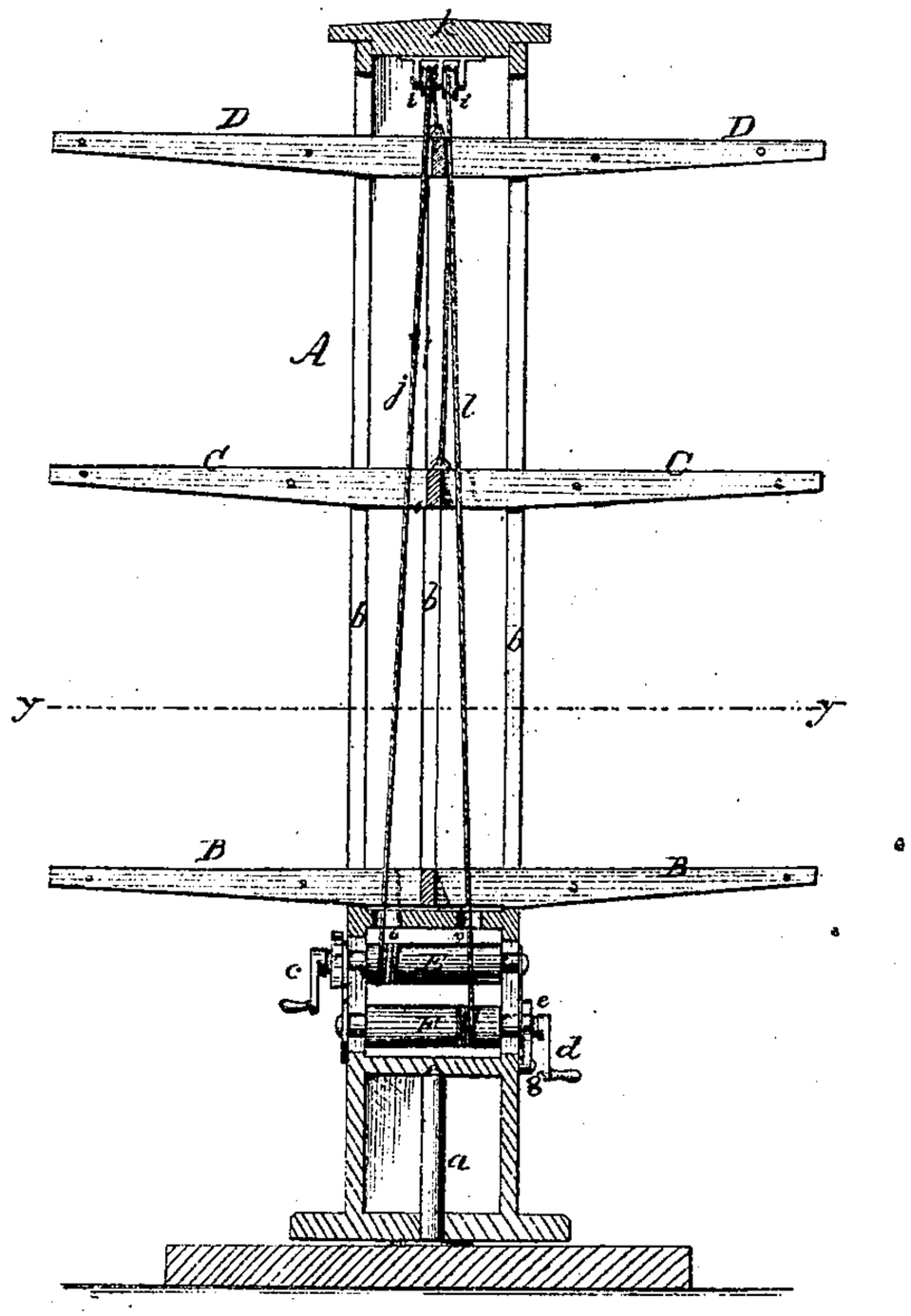
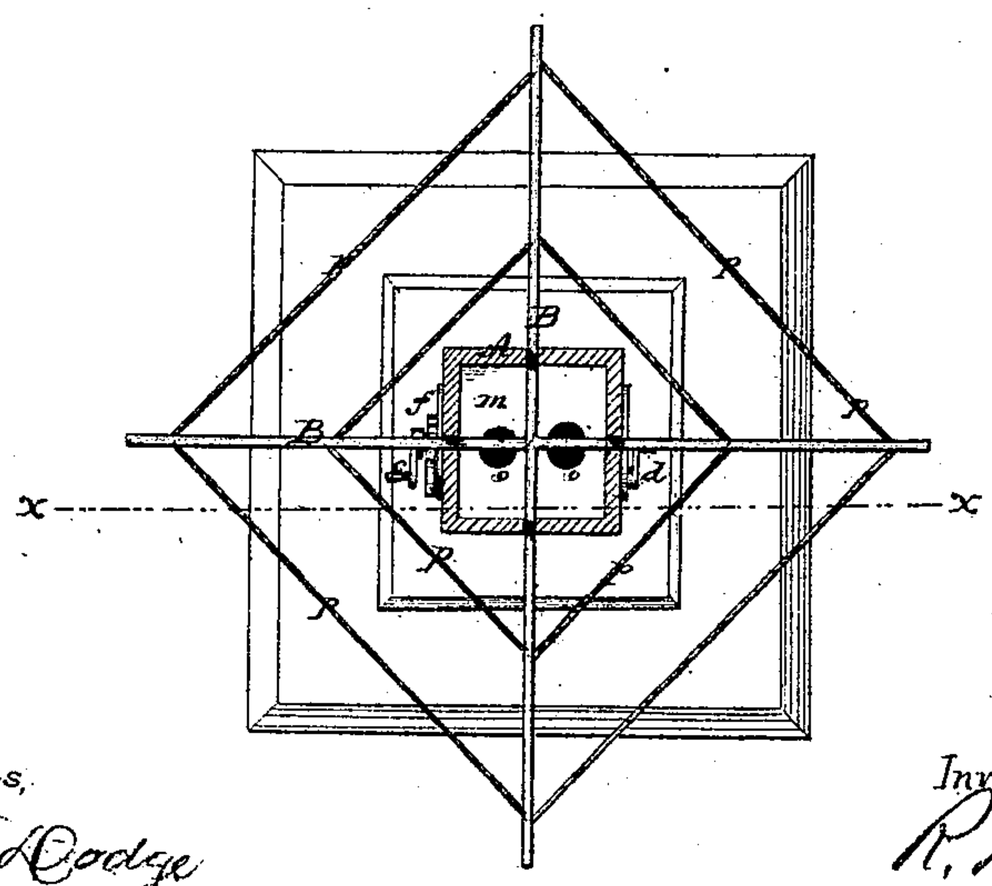
R. M. Miller,

Clothes Drier.

No. 98,398. Patented Dec. 28. 1869.





Witnesses,
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Inventor,
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United States Patent Office.

R. M. MILLER, OF PORT ANDREW, WISCONSIN.

Letters Patent No. 98,398, *dated December* 28, 1869.

IMPROVED CLOTHES-DRIER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, R. M. MILLER, of Port Andrew, in the county of Richland, and State of Wisconsin, have invented certain new and useful Improvements in Clothes-Drier; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

My invention relates to clothes-driers; and

It consists in a novel manner of constructing and arranging a drier, with two or more series of adjustable arms, having lines stretched upon them, and which can be raised and lowered by turning cranks provided for the purpose, the whole being mounted on a post or pintle, so that it may be turned around thereon.

In the drawings—

Figure 1 is a vertical cross-section through my drier on the line *x–x* of fig. 2; and

Figure 2 is a horizontal cross-section on the line *y–y* of fig. 1.

In building my drier, I first construct a long, hollow post or body, A; which is provided, on opposite sides, with four long slots or openings, *b b*, as shown in fig. 1.

This body I mount on a fixed vertical pintle or post, *a*, so that it may be turned freely around thereon.

In the lower part of the body, I mount two windlasses, E and F, and provide each one on its outer end, outside of the body, with a ratchet-wheel and a crank, as shown in figs. 1 and 2.

To the body, above each of the ratchet-wheels, I secure a pawl, which engages with said wheel, as shown in both figures of the drawings.

In the body A, I mount three sets of arms, B, C, and D, each set consisting of four horizontal arms joined together at the centre of the body, and extending at right angles to each other, out through the respective slots *b*, as shown in figs. 1 and 2,

The upper end of the body I provide with a head or cap, *k*, and to its under side, inside of the body, secure two pulleys, *i i*, as shown in fig. 1.

To the arms C, inside of the body, I attach a cord, *l*, and pass it up over one of the pulleys *i*, and thence down and around the windlass F; and to the arms D I attach a cord, *j*, pass it over the remaining pulley *i*, and down and around the windlass E, as shown in fig. 1.

By turning the crank *c* of windlass E, the arms D may be raised to the upper end of the body A, and will be held at the desired height by the pawl engaging in the ratchet-wheel and preventing rotation of the windlass.

By turning the crank *d*, the arms C may be elevated in a similar manner to arms D, and will also be held by their pawl in any position in which they may be left.

The arms B, I do not make adjustable, but allow them to rest permanently at the lower end of the slots *b b*.

Upon each of the series of arms B C D, I stretch cords, *p p*, upon which the articles to be dried are hung.

In using the apparatus, the pawls are lifted and the arms allowed to descend within reach. The lines on arms D are then filled with the articles to be dried, and the crank *c* turned until the arms are elevated the desired distance. The lines on arms C are then filled and the arms elevated to their position, after which arms B may be filled.

It is obvious that instead of four, six or eight arms may be used in each series, and that the body may be made of a square, round, or other form; and also, that any number of sets of arms may be used by lengthening the body, and providing a corresponding number of windlasses, &c.

In this manner, I produce a very efficient clothes-drier, occupying but little space, and affording a great extent of line.

The working parts being all enclosed within the body, are protected from the weather, and cannot become disarranged or entangled, as would otherwise happen.

Having thus described my invention,

What I claim, is—

A clothes-drier, having its body, A, mounted on a post so as to revolve thereon, and provided with the arms B made stationary, and the arms C and D made adjustable, by means of a windlass, pulley, and cords, the whole arranged to operate as herein described.

R. M. MILLER.

Witnesses:

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