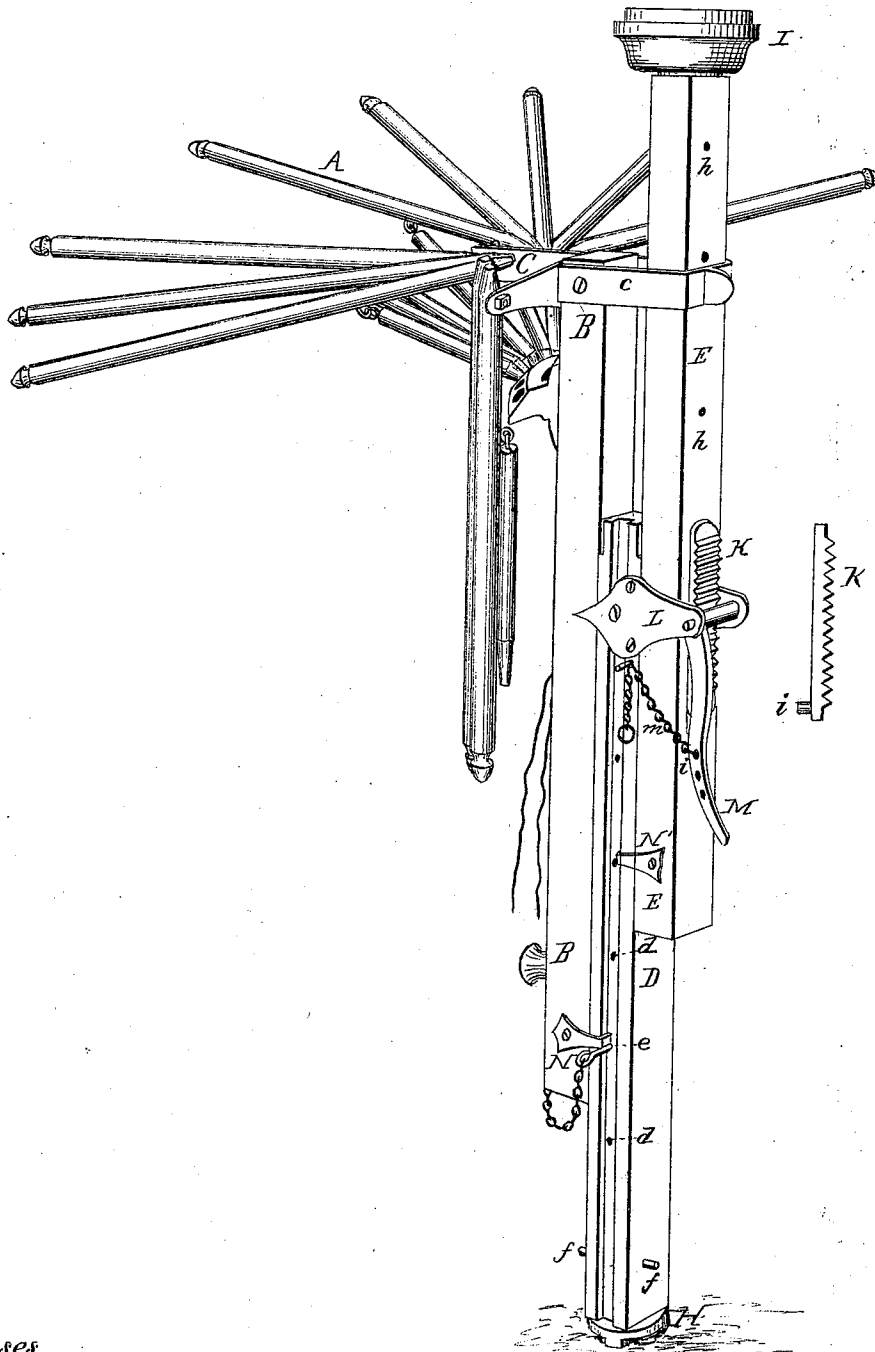


E. B. GILDERSLEEVE.
CLOTHES-DRIER.

No. 181,164.

Patented Aug. 15, 1876.



Witnesses
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Chas. O. Hull

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UNITED STATES PATENT OFFICE

EZRA B. GILDERSLEEVE, OF NEW YORK, N. Y.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **181,164**, dated August 15, 1876; application filed June 30, 1876.

To all whom it may concern:

Be it known that I, EZRA B. GILDERSLEEVE, of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Devices for Drying Clothes, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to an improvement in clothes-driers; and consists in the devices hereinafter described, the object being to provide a suitable means of drying clothes.

In the accompanying drawings, Figure 1 is a perspective view of a device embodying the elements of the invention.

In the drawings, A denotes the rack upon which the clothes are hung, which is of any desired dimensions and construction, but preferably a series of divergent arms, arranged so that they may be adjusted in a horizontal position, or folded compactly upon each other, so as to occupy but little space. The rack A and the parts incidental thereto are securely fastened to the outer side of the piece B. The plate C, to which the arms of the rack are attached, is cast or formed with the angular clevis c, which extends away from the rack, and within which the pieces D and E, which are of substantially the same dimensions as the piece B, are arranged to slide, the said clevis c being suitably constructed to fully effect its offices. The piece D is provided at intervals with the holes d, constructed to receive the pin e, which is suspended by a chain to the lower part of the piece B, so as to admit of its ready application. To the lower end of the piece D is attached the revolving pedestal H, which is arranged to turn in any convenient manner, and a short distance above which are the studs f, which serve to prevent the pieces B and E from slipping out of place. The piece E is provided at its top with the cap I, which is of any suitable form and material, by preference provided with a rubber ring or disk, and with the ratchet K, which is secured upon the outer side of the piece. In the present instance the piece E is provided with the holes h, and the ratchet K with the pin i, so that the ratchet can be applied at any

point upon the side of the piece E. Turning in the plates L is the pawl-piece M, which is provided with the finger-piece m, and adapted to engage the ratchet K when desired, the finger-piece m affording a ready means of freeing the pawl or applying it. The plates L are securely attached to the piece D, their inner extremities projecting beyond the edge of the piece B, and serving as guides. N are pieces attached to the piece B, which, while performing the offices of guides, are chiefly useful in supporting the piece B and rack when the pin e is applied. The pieces N' are supplemental guides, to render the motion of the piece E easy and direct, and also useful in holding the piece E when the pin e is applied, for the purpose of holding the device in shape when not in use.

The device is closed by folding the rack and, the different parts being free, sliding the pieces together, and inserting the pin e in the lowest hole of the piece D, the plates or pieces N N' being so applied that they are just above said lowest hole, which prevents the pieces from moving in either direction, their upper ends being held by the parts attached thereto, hereinafter specified. When so closed it occupies but little space, and may be readily carried at will.

The device is put in operation as follows: The parts being free, the device is held in a vertical position, resting on the revolving pedestal H in any part of the room or apartment. The piece E is then moved upward until the cap I comes in contact with the ceiling, when the pawl-piece is applied and locked, the pieces D and E forming a secure vertical support. The rack is then moved to a convenient position, and secured by applying the pin e, when it is opened, and the clothes spread upon it, after which, the pin having been removed, the piece B and rack are moved upward, preferably to the highest practicable position, and the pin e again inserted. The rack and clothes are thus held out of danger of being soiled above the heads of the occupants of the apartment, and where the air is most likely to be heated.

The device thus set up may be conveniently

turned and adjusted by freeing and fastening the parts in numerous ways, which will be understood without further explanation.

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

1. The combination of the piece E, having the cap I and ratchet K, the piece D, having the pawl-piece M and holes *d*, the piece B, having the rack A attached to it, and pin *e* and plate C, all arranged and operating substantially as set forth.

2. In a clothes-drier, the combination of the piece E, having the cap I, ratchet K, and piece N', the piece D, having the pawl M and holes *d*, and the piece B, having the rack A and piece N, substantially as set forth.

3. The combination of the pieces B, D, and E, secured as to their upper parts by the clevis *c*, and having their lower ends controlled by the pieces N N', substantially as expressed.

4. The ratchet K, provided with the pin *i*, operating in combination with the pawl M, plate L, and piece E, having holes *h*, substantially as described.

5. The plate C, having the clevis *c*, which is

employed to secure the upper ends of the pieces B, D, and E, substantially as specified.

6. The ratchet K, in combination with the pawl M, pieces B, D, and E, substantially as specified.

7. The ratchet K, in combination with the pawl M, pieces B, D, and E, and pieces N and N', substantially as described.

8. The combination of the pieces D B E, ratchet K, pawl M, pieces N and N', clevis *c*, and pin *f*, substantially as specified.

9. The combination of the piece E, provided with the cap I, holes *h*, ratchet K, and plate N', the piece D, provided with the holes *d*, plate L, and pin *f*, and the piece B, provided with the rack A, plate C, and piece N, as expressed.

In testimony that I claim the foregoing improvement in devices for drying clothes, as above described, I have hereunto set my hand this 31st day of May, 1876.

EZRA B. GILDERSLEEVE.

Witnesses:

JOHN GARDNER,
W. S. PAINE.