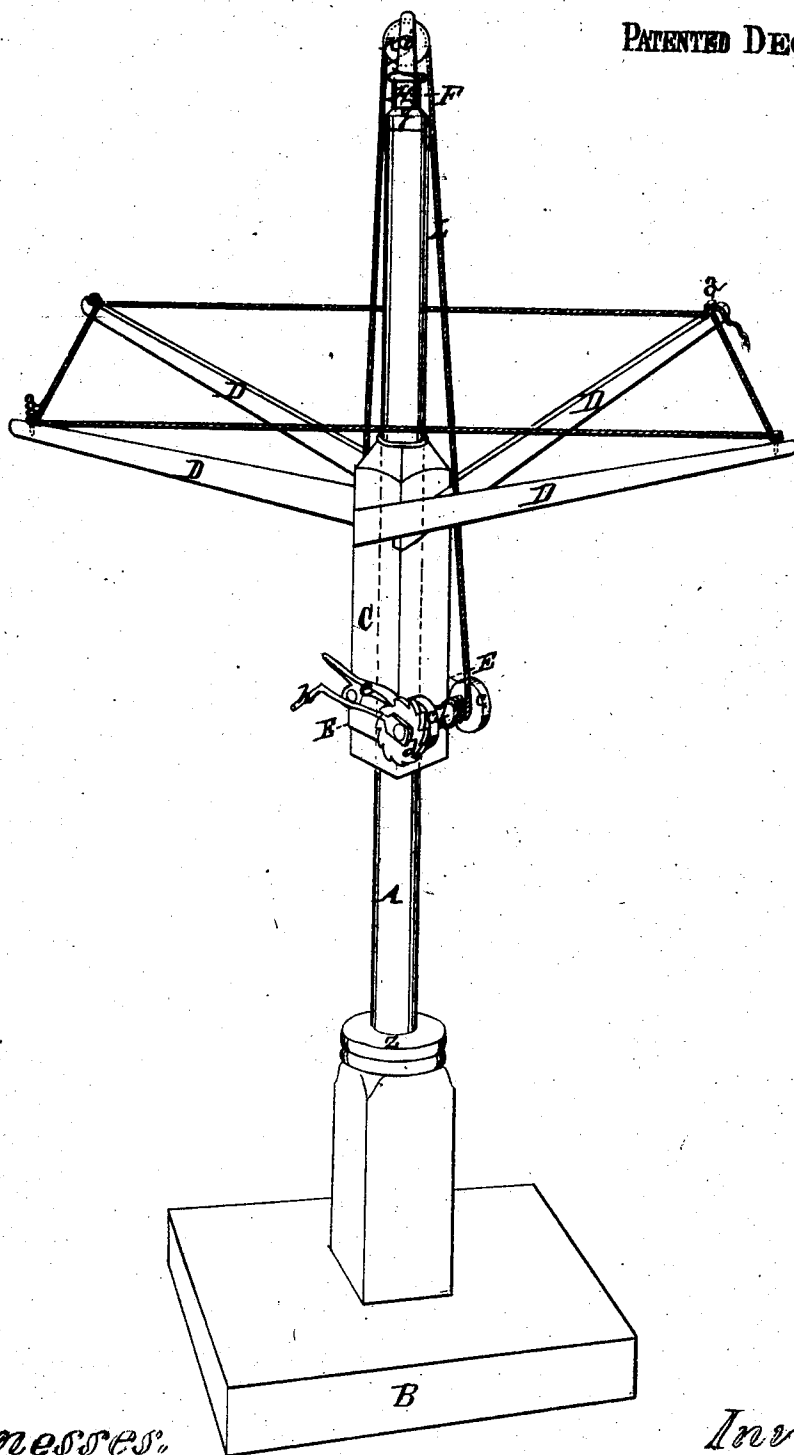


110145

J.W. KENNING. CLOTHES DRYER.

PATENTED DEC 13 1870



Witnesses:
Chatterton,
O. P. Kane.

Inventor:
J.W. Kenning,
Chipman & Hosmer & Co.
Attys.

UNITED STATES PATENT OFFICE.

JAMES W. KENNING, OF QUINCY, MICHIGAN.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **110,145**, dated December 13, 1870.

To all whom it may concern:

Be it known that I, JAMES W. KENNING, of Quincy, in the county of Branch and State of Michigan, have invented a new and valuable Improvement in Clothes-Driers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a perspective view of my invention.

My invention relates to means for drying clothes; and consists in the construction and novel arrangement of devices intended to serve as a valuable and efficient apparatus for the purpose named.

A represents a post, the upper part of which is cylindrical and the lower portion of rectangular shape. This post is attached to the base B, or it may be sunk in the ground.

C represents a rectangular and hollow slide-box, made of such dimension that it may be fitted on the upper portion of the post A, and allowed to turn easily thereon. To this sliding box C are attached the arms D, which are secured to box C by cutting grooves of the thickness of the arms in the sides of said box, and giving them an inclination of about twenty degrees, which makes the arms sufficiently strong to sustain a heavy weight. At the extreme end of the arms are fastened pins or hooks *a*, to which the lines for the clothes are attached, as shown on the drawing. These lines also assist in bracing and keeping said arms in place.

E represents two metallic plates secured to the sides of the sliding box. Attached to these plates is a windlass, consisting of a rotating shaft, *b*, disks *c*, ratchet-wheel *d*, and pawl *e*. The shaft *b* has its bearings in plates E, and one end of said shaft is provided with a crank, *h*, as shown.

F represents a spindle arranged on top of the upright post A, and provided with a col-

lar, *g*. This collar serves as a bearing-surface for the socket hereafter mentioned.

H represents a removable socket arranged on top of the spindle F, and it has its bearings on the collar *g* of the spindle F. This socket-standard is constructed with two uprights, and between these uprights I arrange a sheave, K, on a shaft, *i*, which has its bearings in said socket.

L represents a rope passing over the sheave, the ends being attached to the rotating shaft *b* and slide-box C.

To adjust the clothes upon the lines, the pawl *e* is raised from the ratchet-wheel *d*. The slide-box and arms will then descend by their own weight to the lower part of the post, resting on the shoulder of the base at *z*. The clothes may then be readily adjusted upon the line. The slide-box and arms are then elevated to the desired height upon the post by turning the crank *h*, which is kept from descending by a ratchet-wheel and pawl, as shown on the drawing.

After use all the parts can be detached from the base and post in an instant, and removed into a house or any other convenient place from the changes of the weather, thus leaving the post and base only standing out.

A clothes-drier constructed on this plan will last a long time.

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination with the standard A, the removable socket H, pulley K, and the block *c*, provided with arms D and lifting apparatus, as described, when the several parts are constructed and arranged to operate substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES W. KENNING.

Witnesses:

BENJAMIN F. CLARK,
EZRA BERRY.