

UNITED STATES PATENT OFFICE.

C. G. SARGENT, OF CHELSEA, MASSACHUSETTS.

CLOTHES-DRIER.

Specification of Letters Patent No. 31,260, dated January 29, 1861.

To all whom it may concern:

Be it known that I, CHRISTOPHER G. SARGENT, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented a new and Improved Clothes-Drying Frame; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a sectional elevation of my invention. Fig. 2 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to an improvement in that class of clothes drying frames which are so arranged that they may fold up when not in use, and be stowed away in a very compact form.

The object of the invention is to facilitate the adjustment of the reel on its arbor or upright so that the former may be readily raised and lowered and secured at the desired height.

To enable those skilled in the art to make and use my invention I will proceed to describe its construction and operation.

A represents an upright or vertical arbor the lower end of which is secured in a proper base B, or secured in any suitable way to the earth or flooring.

C represents a series of arms, the inner ends of which are fitted on a metal ring D, which encircles the upright or arbor A, and has rollers *a*, on it, the rollers and arms being placed alternately on the ring.

The rollers *a*, bear against the upright or arbor A, and prevent friction which would otherwise attend the rising and falling of the ring on the upright or arbor. The arms C, are allowed to turn freely on the ring D, in vertical planes.

To each arm C, there is attached a brace E. The braces E, are attached to the arms C, by pivots *b*, and the inner ends of the braces E, are fitted loosely on a ring F, which is also placed on the upright or arbor A. On the ring F, there are also placed rollers *c*, the rollers and braces having alternate positions on the ring, and the rollers *c*, bearing against the upright or arbor—see Fig. 2.

The arms C, are perforated with holes *d*, at suitable and equal distances apart, and

through these holes a rope G is passed to sustain the clothes to be dried.

On the upper end of the upright or arbor A, there is placed a swivel head H. This head is allowed to turn freely on the upright or arbor, and to it one end of a rope I, is attached. This rope extends down around a pulley J, which is attached to two of the arms C, at one side of the upright or arbor, and then passes upward and around a pulley K, at one side of the swivel head H, and then passing again downward and around a pulley L, attached to two of the arms C, at a point opposite to pulley J. The rope I, then passes upward again and around a pulley M, attached to the swivel head H, at a point directly opposite to pulley K. The rope then passes down and may be attached to a hook on the upright or arbor, or secured thereto in any proper way. By this arrangement it will be seen that by operating the rope G, the arms C may be raised and lowered on the upright or arbor as desired, and secured at any desired point. In consequence of having the rope G, connected to the arms C, at opposite sides of the upright or arbor A, the ring D, is made to rise in a horizontal position, and effectually prevented from binding against the upright or arbor. This is a very important feature, for the arms C, require to be raised and lowered frequently in order to adjust the clothes on the ropes, and enable the clothes to be raised free from the ground so that the arms and clothes may turn freely under the action of the wind.

The difficulty attending the raising and lowering of the arms of ordinary clothes frames has been the binding of the hub of the arms on the arbor. This difficulty it will be seen is fully obviated by my invention, as the pull is at both sides of the ring D, and the rollers *a*, of the latter insure the easy movement of the ring and consequently the ready adjustment of the arms C, to the desired height.

It will, of course, be seen that the arms C, like others in the same class of devices, fold inward, and the implement when not required for use rendered capable of being stowed away in a small space.

The ring F, with its rollers *c*, also slides readily on the upright or arbor, and greatly facilitates the adjustment of the latter. The swivel head H, turns with the reel or arms C. This is necessary, of course, to insure the

rotation of the reel or arms, as the rope I, passes around pulleys attached to both.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

The arrangement of the rollers *a*, *c*, rings D, F, pulleys J, K, L, M, and rope I, with

the arms C, braces E and swivel head H in the manner and for the purposes herein shown and described.

CHRISTOPHER G. SARGENT.

Witnesses:

L. W. BENDER,

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