A. O'Dell,

Clothes Drier.

No. 108818. Patented Nov. 1. 1870.

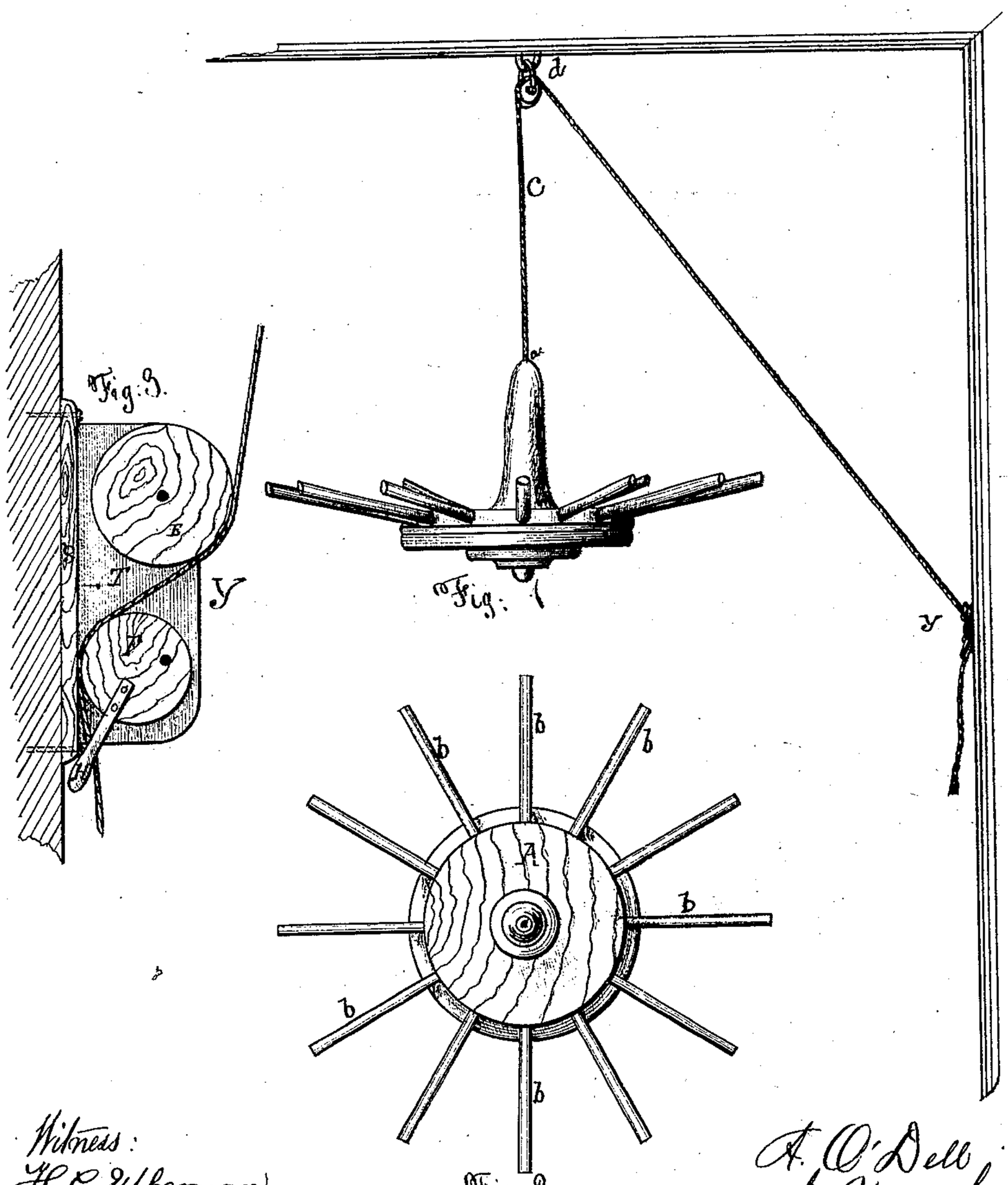

Fig. 3.

Fig. 1

Fig. 2.

Witness:
H. C. Upperman
J. F. Usher.

A. O'Dell,
by Myers & Hattys.

UNITED STATES PATENT OFFICE.

ABIEL O'DELL, OF NAPANEE, ONTARIO, CANADA.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **108,818**, dated November 1, 1870.

To all whom it may concern:

Be it known that I, ABIEL O'DELL, of Napanee, Ontario, Canada, have invented certain Improvements in Clothes-Driers, of which the following is a specification.

In the accompanying drawings, Figure 1 is a view in perspective embodying my invention. Fig. 2 is a plan of the same. Fig. 3 is a sectional side elevation of the rope-holder.

The invention relates to a device for drying clothes, whereby the inconvenience of drying by hanging them outside of the house, and the delay attendant thereupon, which so frequently occurs in consequence of falling weather, is avoided.

It consists of a hub provided with radial arms located in the periphery thereof and radiating therefrom, and also in the peculiar arrangement of the parts thereof, whereby the device may be suspended from the ceiling of the room, and in such an elevated locality as to occupy only such space as would be otherwise wholly unemployed.

A is the hub of a windlass-shape device, whose periphery is provided with horizontal apertures for the reception of the radial arms *b b b b*, which may be constructed of any required length. Said arms furnish rests upon which are hung the clothes to be dried, and are so arranged as not only to furnish within a given space the greatest possible number of arms or rests for the clothes, and a consequent economy of space; but their peculiar arrangement is also designed to admit the heated air of the room in ascending to circulate freely between each arm of the device or layer of the clothing. Said hub has also a vertical aperture located therein, as shown at *a*, through which is passed the cord C, which is passed over the pulley *d*, the said pulley being screwed to the ceiling. The end of the cord remote from the windlass is employed for elevating and securing the device at the proper altitude, or for lowering it when desirable.

This device not only economizes space by reason of its peculiar structure, but chiefly because it is designed to be swung up to the ceiling out of the way and reach of the occupants of the room, whereby space not otherwise employed is economized. It also economizes labor, as neither in hanging the clothes thereon or in removing them therefrom need the manipulator thereof move to and fro in the performance of the intended work, as by simply revolving the windlass a stationary position may be maintained while hanging the clothes on the radial arms or removing them therefrom. Said radial arms are not rigidly attached to the hub, but can be easily withdrawn, when desirable, and the device laid away until again required.

In connection with my clothes-drier I employ a rope-holder, *y*, as represented by Fig. 3, with which I adjust the drier to any desired elevation.

T is a U-shaped metallic piece, which furnishes bearings for the pulley E and the eccentric F. It is rigidly attached to the base-piece *g*. In practice the cord *d* is passed over the pulley E and between the eccentric F and the base-piece *g*, and when it is desirable to adjust the clothes-drier to any desired altitude, the eccentric is pressed against the said cord by the lever H, which rigidly and quickly secures the device beyond the possibility of its being withdrawn therefrom.

I claim—

The combination and arrangement of the hub A with radiating arms *b*, cord C, pulley *d*, and rope-holder *y*, substantially as shown and described.

A. O'DELL.

Witnesses:

H. C. UPPERMAN,

JAS. F. USHER.