

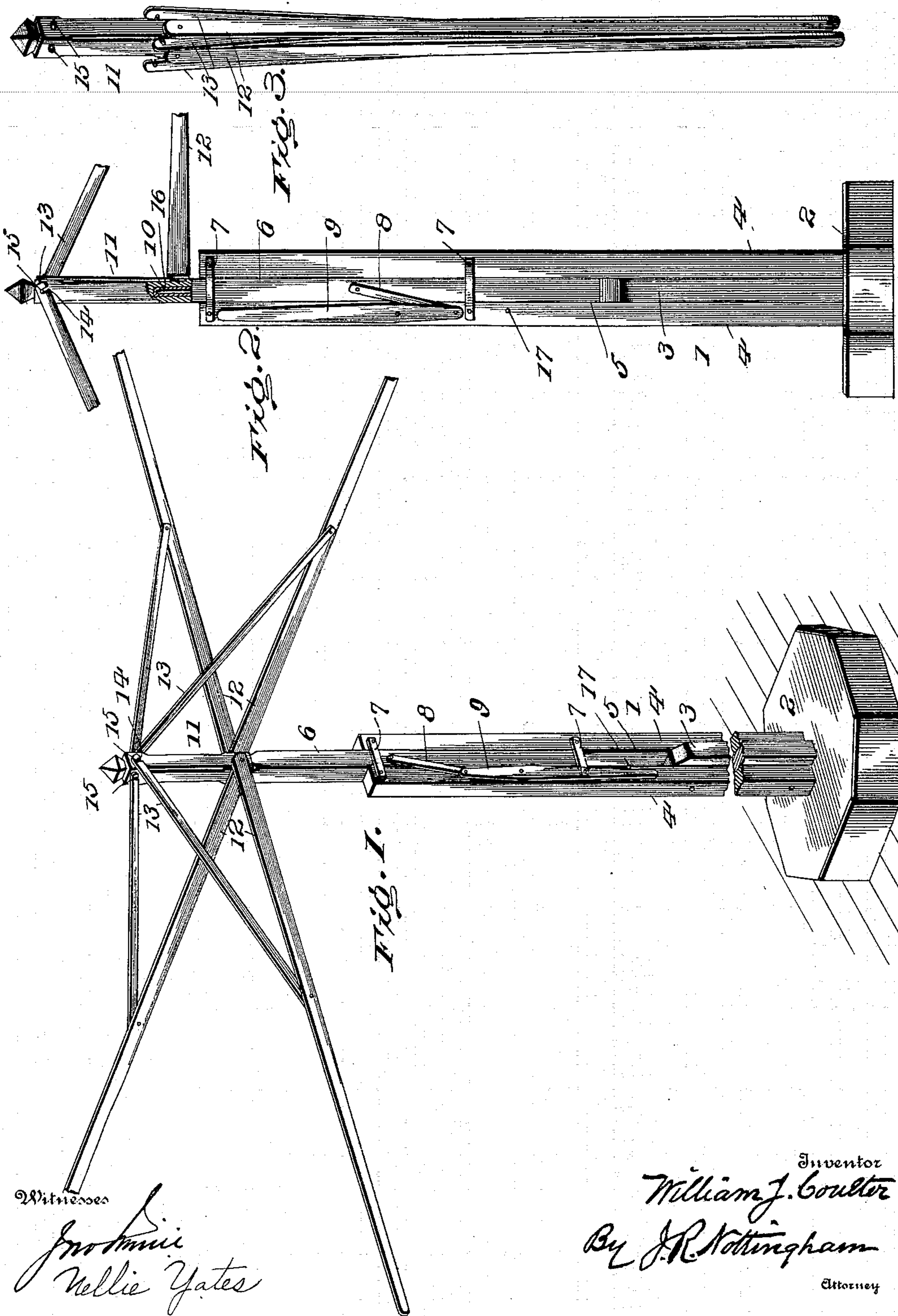
No. 612,309.

Patented Oct. 11, 1898.

W. J. COULTER.
CLOTHES DRIER.

(Application filed Mar. 26, 1898.)

(No Model.)



Witnesses

John Smith
Nellie Yates

Inventor
William J. Coulter
By J. R. Nottingham
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM JAMES COULTER, OF CHESLEY, CANADA.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 612,309, dated October 11, 1898.

Application filed March 26, 1898. Serial No. 675,304. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM JAMES COULTER, a subject of the Queen of Great Britain, residing at Chesley, in the county of Bruce, Province of Ontario, Canada, have invented certain new and useful Improvements in Clothes-Driers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to clothes-driers of that class which are vertically adjustable and adapted to be revolved; and it consists, essentially, of a suitable supporting-frame in which operates a vertically-movable standard carrying a revoluble head provided with pivoted arms adapted to be held in extended position by suitable braces; and it further consists in the combination and arrangement of the various parts, as will be hereinafter more particularly described and claimed.

The primary objects of the invention are to produce a clothes-drier of the character described which shall be simple and inexpensive to construct, easily and quickly operated, and can be compactly folded when not in use to occupy but a small space. These objects are attained by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved clothes-drier, showing the revoluble head and arms in elevated position; Fig. 2, a side elevation showing the revoluble head and arms in lowered position, and Fig. 3 a perspective view of the revoluble head and pivoted arms in folded position.

Referring to the several views, the numeral 1 indicates a frame which is preferably supported from a suitable base 2. The frame is composed of a central standard 3 and two side standards 4. These side standards extend some distance above the central standard, so as to form a guideway 5, in which a vertically-movable standard 6 is adapted to operate, said standard 6 being held in operative position by guide-plates 7. To the standard 6 is pivoted one end of a link 8, the other end of the link being pivoted to one end of an operating-lever 9, which is fulcrumed to one of the side

standards 4. The lever and link constitute a compound lever and form an important feature of my invention, as by their aid the operation of elevating the standard 6 is performed with the least possible effort. The upper end of the standard 6 is provided with an axial arm 10, the purpose of which will be hereinafter explained.

The numeral 11 indicates a revoluble head to which is pivoted four arms 12, each arm having pivoted thereto one end of a brace 13, the other end of the brace being provided with a notch 14, which is adapted to engage a pin 15 in each side of the revoluble head to hold the arms in horizontal or extended position when the device is to be put into operation. The revoluble head, with its pivoted arms, is detachably mounted upon the vertically-movable standard by means of the axial arm 10, setting into a suitable socket 16, made in the lower end of said revoluble head.

The operation of the device will be readily understood from the foregoing description, it only being necessary to state that when it is desired to use the device the revoluble head is mounted upon the movable standard and the arms extended and held in position by their respective braces. When it is desired to elevate the arms and the laundry which may have been hung upon them, the lever is pulled down until it is parallel with the side of the standard, to which it is fulcrumed, and against a stop 17, secured to said standard. With the lever in this position it will be noted that the pressure from the weight of the arms tends to force the upper end of the lever outward and the lower end against the stop, so that all danger of accidental drop of the vertically-movable standard and the arms mounted thereon is prevented.

When the device is not in use, the revoluble portion can be folded in compact form and, with the supporting-frame, stowed away in a very small space. It will be noted that the position of the operating-lever is always parallel and flush with the side of the standard to which it is fulcrumed, whether the movable standard is in a raised or lowered position, and thus is never in the way in hanging the laundry on the arms or in taking it therefrom.

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

5 In a clothes-drier, the combination, with a frame provided with a suitable guideway, a standard vertically movable in said frame, and a revoluble head carrying pivoted arms, mounted on said standard of a compound lever arranged to raise and lower the standard,
10 said lever having its fulcrum and connecting-

points out of line with its upper pivotal point, and a stop for limiting the movement of the free end of the lever in one direction.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM JAMES COULTER.

Witnesses:

WM. PEEBLES,
MABEL KEITH.