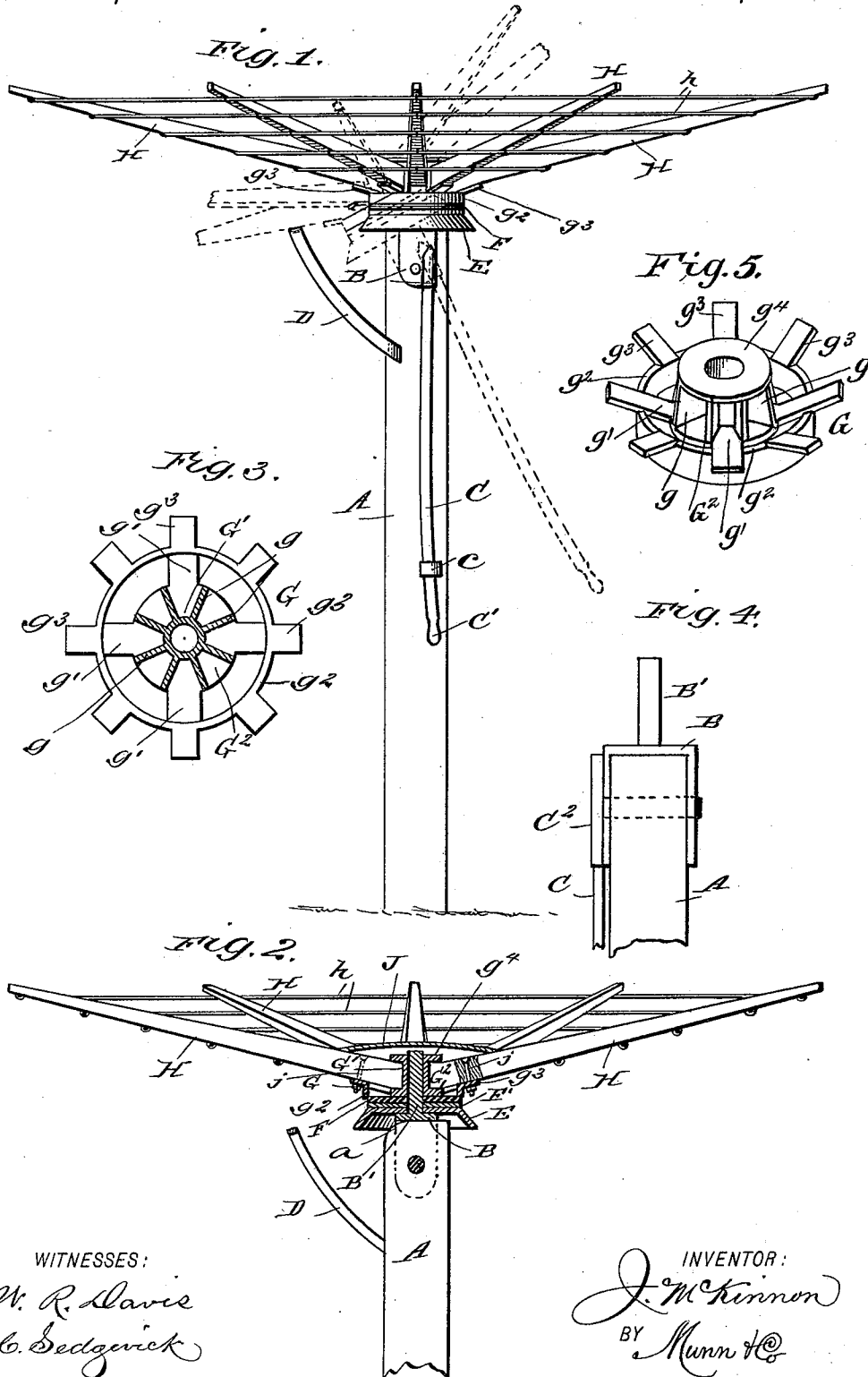


(No Model.)

J. McKINNON.
CLOTHES DRIER.

No. 463,540.

Patented Nov. 17, 1891.



WITNESSES:

W. R. Davis
C. Sedgwick

INVENTOR:

J. McKinnon
BY Munn & Co

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN MCKINNON, OF MOSCOW, IDAHO.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 463,540, dated November 17, 1891.

Application filed February 5, 1891. Serial No. 380,272. (No model.)

To all whom it may concern:

Be it known that I, JOHN MCKINNON, of Moscow, in the county of Nez Perces and State of Idaho, have invented a new and Improved Clothes-Drier, of which the following is a full, clear, and exact description.

My invention relates to improvements in clothes-driers; and the object of my invention is to produce a clothes-drier which will carry a large quantity of clothes in proportion to its size, and which is adapted to be easily brought into position to attach or remove the clothes, and which will also cause them to dry rapidly.

To this end my invention consists in certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a clothes-drier embodying my invention. Fig. 2 is a broken vertical section of the same. Fig. 3 is a horizontal section through the reel-holder. Fig. 4 is a broken detail view of the clip and pintle by means of which the reel is pivoted to the supporting-post, and Fig. 5 is a detail perspective view of the reel-holder.

The post A is planted firmly in the ground, and at its upper end it is rounded slightly on one side, as shown at *a*, to allow for the swinging movement of the clip B, which is of an inverted-U shape, and is pivoted to the upper end of the post so as to extend over the top, the clip having centrally thereon a vertical pintle B', on which the clothes-reel is pivoted. The clip B has a rod C fixed to one side, the rod extending downward parallel with the post A and terminating in a handle C', by means of which the rod and clip may be tilted. The rod C is held in position to prevent the clip and reel from tipping by means of a catch *c*, which is fixed to the post A, the rod being held by simply inserting in the catch.

The post A is provided near the top with a curved looped arm D, which extends diagonally upward from the post, and which serves as a stop or rest for the clothes-reel when the

clothes are to be placed thereon or removed therefrom.

A dish-shaped collar E has a central perforation and is placed upon the pintle B' so as to rest upon the clip B, the open side of the collar being downward, so that it will shed the water from the post. A washer F' is placed upon the pintle next the collar E. Above this is a rubber washer F, which serves as a packing, and above this is the reel-holder G, which has a central hub G', which fits upon the pintle, a horizontal flange G² at the bottom of the hub to support the arms of the reel, vertical flanges *g*, extending from the hub above the flange G², strips *g'*, extending radially from the flange G² to connect with an annular rim *g*², and arms *g*³, ranging slightly upward and extending radially from the rim *g*², so as to form braces for the reel-arms H. The hub G' of the reel-holder has also a horizontal flange *g*⁴ at the top, and a recess is thus formed between each of the flanges *g* and the horizontal flanges G² and *g*⁴, each of these recesses being adapted to receive the end of an arm H of the clothes-reel.

The arms H taper slightly toward the ends, the bases of the arms are inserted in the hub of the reel-holder, and the arms are further secured by screw-bolts *j*, which extend through the arms and through the projecting portions of the reel-holder, the arms being arranged to extend slightly upward, and the arms are connected by lines *h*, to which the clothes to be dried are attached. It is obvious that any number of lines may be used.

In the center of the reel is a convex-plate J, which is fixed to the arms H immediately above the reel-hub, and the plate thus serves as a shield to protect the reel-hub and connected parts from the elements.

The clothes-drier is operated as follows: When clothes are to be attached thereto, the rod C is removed from the catch *c* and the reel is tilted so that one of the arms E will rest upon the arm D, as indicated by dotted lines in Fig. 1. This will bring the lines within reach of a person, so that the clothes may be conveniently pinned to them, and after the clothes are placed upon the line the reel is again brought into a horizontal posi-

tion, and it will be seen that the reel will turn easily upon the pintle B', so that the clothes will be freely exposed to the wind and sun and will consequently dry rapidly.

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

10 A clothes-drier comprising a post having an arm near the top extending diagonally upward, a clip pivoted to the upper portion of the post and provided with a vertical pintle and a depending handled rod, a dish-shaped collar pivoted on the pintle, a hub pivoted on the pintle above the collar and

separated therefrom by a suitable packing, 15 said hub having horizontal flanges at top and bottom connected by vertical flanges, and having also an annular rim with projecting arms to support the reel-arms, the reel-arms having their ends inserted in the recesses of 20 the hub and having suitable lines attached thereto, and the convex plate attached to the arms so as to cover the hub, substantially as described.

JOHN MCKINNON.

Witnesses:

R. H. VERMILYE,

R. H. REID.