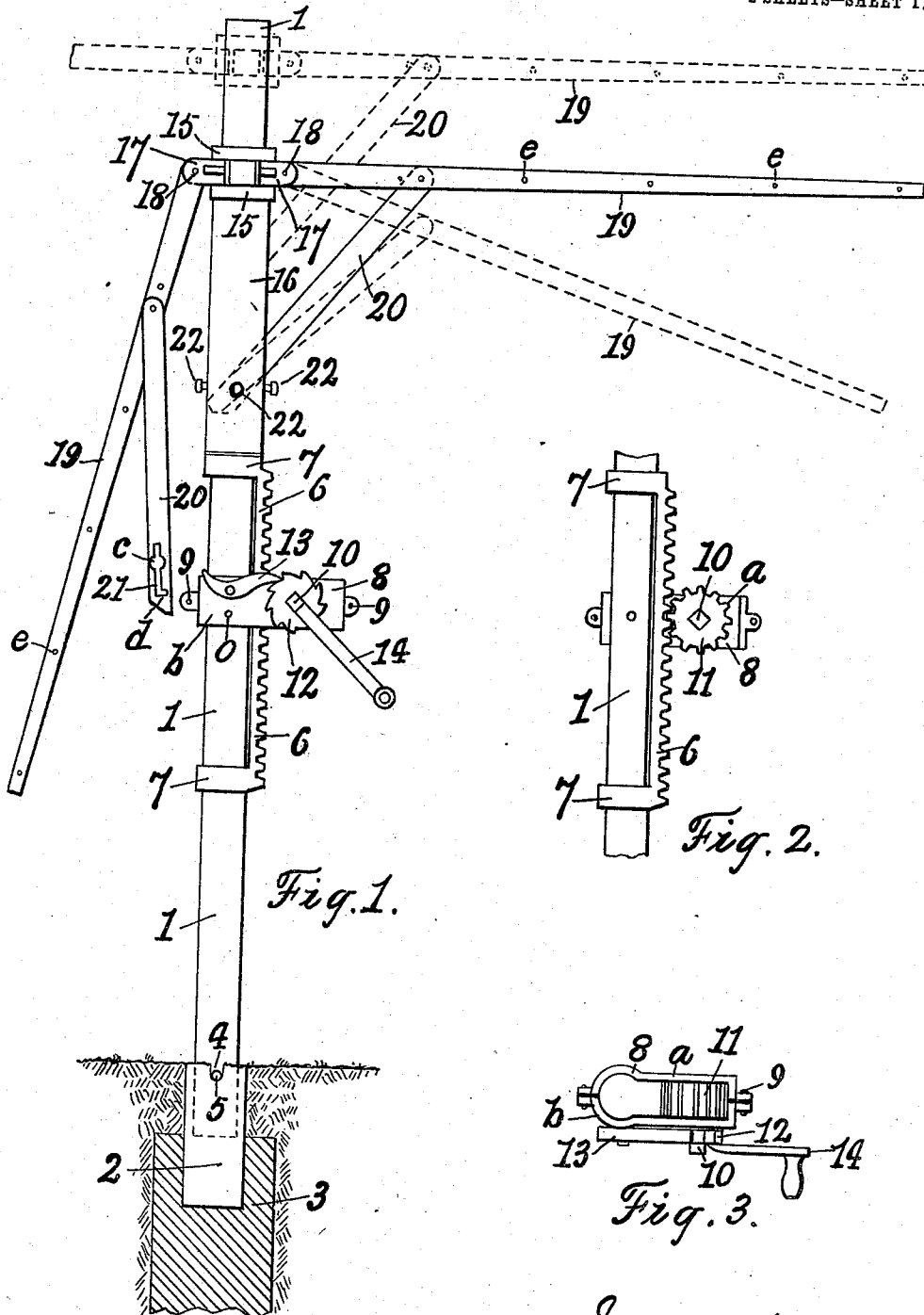


939,398.

Patented Nov. 9, 1909.
2 SHEETS—SHEET 1.



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CLOTHES DRIER.
APPLICATION FILED SEPT. 9, 1908.

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2 SHEETS—SHEET 2.

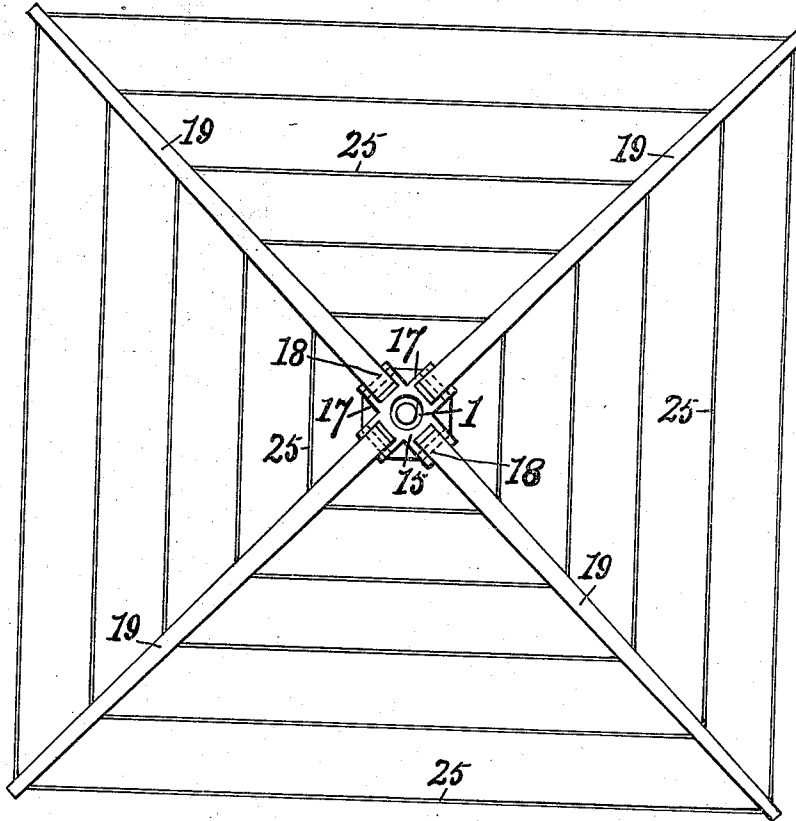


Fig. 4.

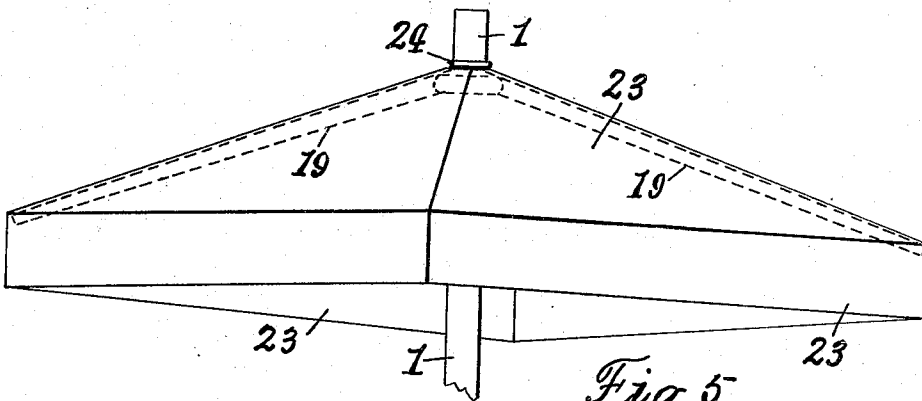


Fig. 5.

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UNITED STATES PATENT OFFICE.

GEORGE B. DEACON, OF LONDON, ONTARIO, CANADA.

CLOTHES-DRIER.

939,398.

Specification of Letters Patent.

Patented Nov. 9, 1909.

Application filed September 9, 1908. Serial No. 452,332.

To all whom it may concern:

Be it known that I, GEORGE B. DEACON, a subject of the King of Great Britain, and a resident of the city of London, in the county of Middlesex, in the Province of Ontario, Canada, have invented a new and useful Clothes-Drier, of which the following is a specification.

This invention relates to a frame on which clothes are suspended to dry and a tent or canopy covering for same. And it consists of the improved construction and novel combination of parts of the same as will be hereinafter first fully set forth and described and then pointed out in the claims, reference being had to the accompanying drawings forming part of this specification, wherein:

Figure 1 is a side view of a clothes drying device embodying my invention. Fig. 2 is an enlarged detail side view of the toothed rack and pinion. In this view the front side of the supporting bracket is removed. Fig. 3 is a plan view of the toothed wheel and ratchet and their supporting bracket. Fig. 4 is a plan view of the head, of the arms extending therefrom, and of the clothes lines supported in said arms. Fig. 5 is a detail perspective view of the upper part of Fig. 1 illustrating a tent or canopy covering in connection therewith.

Further describing my invention with relation to the accompanying drawings, the numeral 1 indicates a standard, preferably of tubular form, which is held in an upright position by having its lower end inserted in the short tube 2, the latter being firmly secured in a post 3 sunk in the ground, but said standard 1 may be securely held in an upright position in a foundation of concrete or other suitable material or in any manner or by any means found suitable or convenient.

4 are slits or recesses formed in the upper end and at opposite sides of the short tube 2, and 5 is a pin or bolt which extends through a pin or bolt hole in said standard 1, and the ends of said pin or bolt project beyond said standard 1 at opposite sides and rest in the slits, 4, in the opposite sides of the short tube 2, to prevent the tubular standard 1 from turning and at the same time permit it to be readily, easily and instantly removed from the short tube 2.

6 is a toothed bar provided with the collars 7 and the latter encircle the standard 1 as shown in Fig. 1, and said collars are

adapted to be adjusted freely up and down on said standard 1.

8 is a bracket formed in two sections, *a*, *b*, and said bracket is adapted to be rigidly secured to said standard 1 at a suitable position or height from the ground by clamping the sections, *a*, *b*, on opposite side of said standard 1 by the bolts 9 or other suitable securing means. And a bolt, *O*, extending through said standard 1 and said bracket 8, further assists in rigidly securing said bracket to said standard.

10 is a short axle mounted to revolve perfectly free in the bracket 8, and 11 is a toothed wheel secured to said axle between the sections, *a*, *b*, of said bracket 8, which toothed wheel 11 is adapted to engage with the toothed bar 6, and 12 is a ratchet wheel secured to said axle 10 outside of said bracket 8, and 13 is a dog pivoted on the bracket 8 in line with the ratchet wheel 12, with which ratchet wheel 12 the dog 13 is adapted to engage, and 14 is a crank handle secured to the axle 10 for conveniently operating the latter.

15 is a tubular head provided with a sleeve 16, both of which encircle and are adapted to revolve freely around or to be adjusted up and down freely on said standard 1, and the lower end of said sleeve 16 rests on the upper edge of the upper collar 7.

17 are lugs secured to the tubular head 15, and 18 are pivot bolts supported in said lugs 17, and 19 are arms one of which is pivoted on each of said pivot bolts 18 between a pair of lugs 17.

20 are braces one of which is secured at its upper end to each of the arms 19.

21 is a slot formed in each of said braces 20 and near the lower end of the latter; and each of said slots 21, has a central enlargement, *c*, and an angular extension, *d*, at one end.

22 are headed bolts or studs secured to the sleeve 16, the shanks of which are fitted to the slot 21 and the angular extension, *d*, thereof, and the heads of said bolts are adapted to pass freely through the central enlargement, *c*, of said slot 21.

23 is a tent or canopy covering in which a central opening is formed in order to permit the standard 1 to project through and centrally thereof, and said opening is surrounded by a ring 24, so that when said tent or canopy 23 is placed over the arms 19, and the standard 1 projects up through said

ring 24, the latter will hold the tent or canopy 23 uniformly over the arms 19 and clothes lines 25, as shown in Fig. 5 which will give the whole a neat and handsome appearance.

25 is the clothes line formed of rope, wire or any desired material which are threaded through openings, *e*, in the arms 19.

The operation is as follows:—When wishing to support the arms 19 in the horizontal position shown in Fig. 1, the braces 20 are adjusted so that the shanks of the bolts or studs 22 rest in the angular extension, *d*, at the lower ends of the slots 21; and by adjusting the braces 19 so that the shanks of the bolts or studs 22 rest in the upper ends of the slots 21 the arms 19 are in the inclined position shown by dotted lines in Fig. 1; the length of the slot 21 therefore regulating the inclination of the arms 19; and by adjusting the head of the bolt or stud 22, opposite the central enlargement, *c*, of the slot 21 and disengaging the brace 20 from said stud 22, the arms 19 may be adjusted to the vertical position shown in Fig. 1. Again by turning the crank handle 14, the toothed rack 6 and attachments carried by the upper collar 7 may be lowered so that a person standing on the ground may conveniently hang the clothes on the line 25, without the use of a chair or platform, again by turning the crank handle 14 in the opposite direction, after the clothes are hung on the line 25, the arms 19 carrying the line 25 to which the clothes are secured, may be elevated out of the way to prevent them from being interfered with while drying. And the head 15 revolving perfectly free around the standard 1, and the arms 19 being secured to said heads and revolving therewith, when the arms 19 are in their lower position, the person hanging out the clothes may adjust the clothes line toward them and hang the clothes throughout the entire line 25, without moving around the clothes drier. Again the head 15 and arms 19 may also revolve around the standard 1 when in their elevated position, so that the wind will have the greatest possible effect on the clothes for the purpose of rapidly drying them.

When the arms 19 are in the inclined position shown in Figs. 1 and 5, a covering in the form of a tent of canopy 23 may be spread over the clothes line 25 and be supported by the arms 19, the ring 24 engaging with the upper end of the standard 1 to hold the canopy or tent-like covering, uniformly over the arms 19. And while the arms 19 are in their inclined position and the tent or canopy 23 spread over them, washing or other work may be performed in the open air under said tent like covering 23, and when the washing is finished the covering 23 may be removed, the arms 19 raised to their horizontal position and automatically locked

thereby engaging the angular extensions, *d*, of the slots 21 with the studs or bolts 22, and the clothes hung on the line 25 to dry. And while the arms 19 are in their inclined position and the tent covering 23 spread over them, fine or delicate colored fabrics that would be liable to fade if exposed to the sun, could be hung out on this clothes drier to dry, with perfect safety. And the use of this tent like covering 23, prevents soot, dust or flying cinders from lodging on the clothes hung under this canopy 23.

The braces 20 constructed with the slots 21 as described permit the arms 19 to be adjusted entirely independent of one another, so that by disengaging the braces 20 from the bolts or studs 22, one, two or more of said arms could be adjusted to the vertical position shown in Fig. 1, to permit a wagon or other vehicle to pass this clothes drier, with perfect safety to the latter. And again the construction of the base described, permits the standard 1 with attachments, to be readily, easily, instantly and entirely removed from its base 2, to be stored out of the way, or to be adjusted on the front or other lawn or in any place or position to provide shade for a hammock or lawn seat as desired.

Having thus described my invention, I claim.

1. In a device of the class described, a tubular standard, a head and dependent sleeve fitted to and adapted to revolve around said standard, arms adapted to carry a clothes line pivotally mounted on said head, and headed bolts mounted on said sleeve, in combination with braces in each of which is formed an elongated slot having an angular extension at one end, one end of each brace being pivotally secured at one end to each of said arms, and the other slotted end being adapted to engage with one of said bolts on said sleeve, and means for supporting said head and sleeve on said standard.

2. In a device of the class described, a tubular standard, a head and dependent sleeve supported by said standard, arms adapted to carry a clothes line pivotally mounted on said head, headed bolts mounted on said sleeve and braces in each of which an elongated slot is formed, one end of each brace being pivotally secured at one end to each of said arms, and the other slotted end adapted to engage with one of said bolts on said sleeve, in combination with a canopy supported by said arms, and extending over the clothes line carried thereby.

In testimony whereof, I have signed in the presence of the two undersigned witnesses.

GEORGE B. DEACON.

Witnesses:

P. J. EDMUNDS,
A. LE SUEUR.