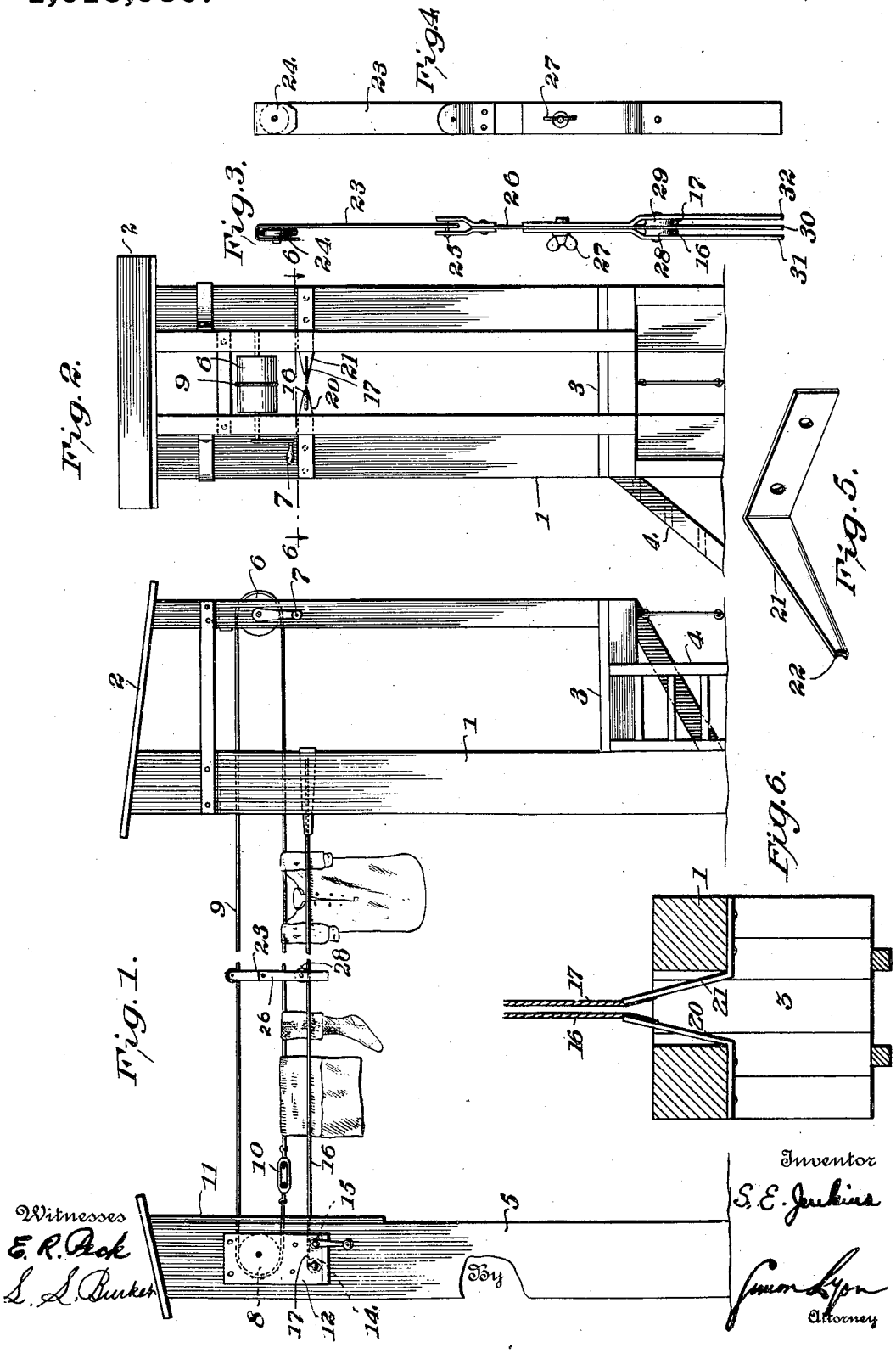
S. E. JENKINS.

CLOTHES DRIER.

APPLICATION FILED NOV. 24, 1909.

**1,015,959.** **Patented Jan. 30, 1912.**



# UNITED STATES PATENT OFFICE.

SAMUEL EDWARD JENKINS, OF HOLCOMBS ROCK, VIRGINIA.

## CLOTHES-DRIER.

1,015,959. Specification of Letters Patent. Patented Jan. 30, 1912.

Application filed November 24, 1909. Serial No. 529,766.

*To all whom it may concern:*

Be it known that I, SAMUEL EDWARD JENKINS, a citizen of the United States, residing at Holcombs Rock, Bedford county, Virginia, 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.

This invention relates to certain improvements in clothes driers; and the objects and nature of the invention will be readily understood by those skilled in the art in the light of the following explanation of the accompanying drawings illustrating what I now consider to be the preferred embodiment from among other formations and arrangements within the spirit and scope of my invention.

The invention consists in certain novel features in construction and in combinations and arrangements as more fully and particularly set forth hereinafter.

Figure 1, is a side elevation of my invention; Fig. 2, is an end elevation thereof; Figs. 3 and 4, are elevations of the brace for the clothes retaining wires; Fig. 5, is a view of one of the supporting plates for the clothes retaining wires, and Fig. 6, is a sectional view taken on the line 6—6 of Fig. 2.

Referring now to the drawings, 1, represents a frame which is preferably of a size sufficiently large to allow a person to comfortably stand thereon and have sufficient room to easily place the clothes on the line. The frame is provided with the proper roof 2 and the floor 3 which is placed a considerable distance above the bottom and having steps 4 leading thereto, the purpose of which is to place the line a sufficient distance above the ground so that the clothes will not touch the ground and at the same time having the line so that it is not necessary to reach up in hanging the clothes.

At the desired distance from the frame 1, is a second frame or inclosure 5, which is materially smaller and only of sufficient size to receive and house a drum. The frames or inclosures are spaced any desired distance apart according to the length of clothes line desired. These frames or inclosures may be of any desired structure and properly braced and anchored so that the weight of the clothes and wind on the same will not blow the frames over.

Within the rear end of the frame 1, is a drum 6, having a crank 7, by means of which it is rotated. The other frame or inclosure is likewise provided with a drum 8 and passing over these drums is an endless clothes line 9, and by turning the crank the line can be moved in either direction. The line 9, is preferably of a galvanized wire and secured together by a turn buckle 10, by means of which any slack in the line can be readily taken up. The turn buckle does not interfere with the operation of the line as it is not intended that the same pass over or around the drum. The inclosure or frame 5 is provided with a metal plate 11, through which the clothes line passes.

The drum 8, is preferably journaled in a plate 12, which is secured in the side of the housing. The plate 12 below the drum is also provided with two wire tightening rollers 14 and 15, around which are wound the two wires 16 and 17. The wires 16 and 17 are in horizontal alinement with each other and are spaced a suitable distance apart. These wires as shown are directly below the clothes line 9 and their opposite ends are secured to the metal plates 20 and 21, carried by the frame 1. The plates 20 and 21 as shown, are at the forward end of the frame, and their outer ends are provided with grooves 22 in which the wire passes. The clothes as seen in Fig. 1, are hung upon the wire in rear of the plates on the lower wire and by turning the crank 7 the clothes are carried outwardly, and the plates guide the clothes between the wires 16 and 17.

By the structure herein described and shown, the wires 16 and 17 firmly hold two ends of the clothes closely together and absolutely prevent them from falling from the line and thus obviate the use of any pins.

In order to brace the clothes line and prevent the wires 16 and 17 from twisting, I have provided a guide or brace 23, which is preferably made of sheet metal having a hooked upper end in which is rotatably mounted the roller 24, which is readily placed upon the upper wire of the clothes line. The said plate has pivoted at 25 a second plate 26 which is provided with a thumb screw 27. The lower end of the plate 26 is provided with two rollers 28 and

29 which roll upon the wires 16 and 17. The plate 26 is provided with three downwardly extending arms. The center arm 30, extends between the wire 16 and 17, while the arms 31 and 32 are on the outside of the wires and thus prevents the wires 16 and 17 from becoming twisted. This brace is placed on the clothes line about midway its length, or when the line has been about half filled with clothes, and is placed on the line at the same point as the clothes within the frame 1. The pivotal connection of the two parts of the guide allows it to freely pass over the plates 20 and 21, in the outward and inward movement of the clothes line.

What I claim is:—

1. A clothes drying apparatus, comprising an endless clothes line, means for operating the same, two parallel wires below the line and plates for guiding the clothes between the wires as the line is moved outwardly.

2. A clothes drying apparatus, comprising a movable clothes supporting wire, and two parallel clothes guiding wires below the supporting wire and a bracing device movable with the supporting wire to prevent the guiding wires from overlapping or twisting together.

3. A clothes drying apparatus, comprising two frames or inclosures spaced the proper distance apart, a drum in each frame, an endless clothes supporting line passing around said drum, and two parallel wires connecting the frames below the supporting wire and adapted to hold the clothes therebetween.

4. A clothes drying apparatus, comprising two frames spaced the proper distance apart, a drum in each frame, an endless clothes supporting line passing around the said drums, two drums carried by one frame, two converging plates carried by the other frame, a wire on each of the last named drums in a horizontal alinement and spaced a slight distance apart and extending to the other frame and around the ends of said converging plates.

5. A clothes drying apparatus comprising two frames, drums therein, an endless clothes supporting line passing around said drums, two horizontally spaced parallel guiding wires arranged below the endless line, and a bracing device hung on said line and at its lower end having rollers resting on said two wires and provided with spaced depending arms between which said two parallel wires are arranged.

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

SAMUEL EDWARD JENKINS.

Witnesses:

EUGENE C. MILLER,

M. C. SMOOT.