J. G. PIERCE.

DRIER.

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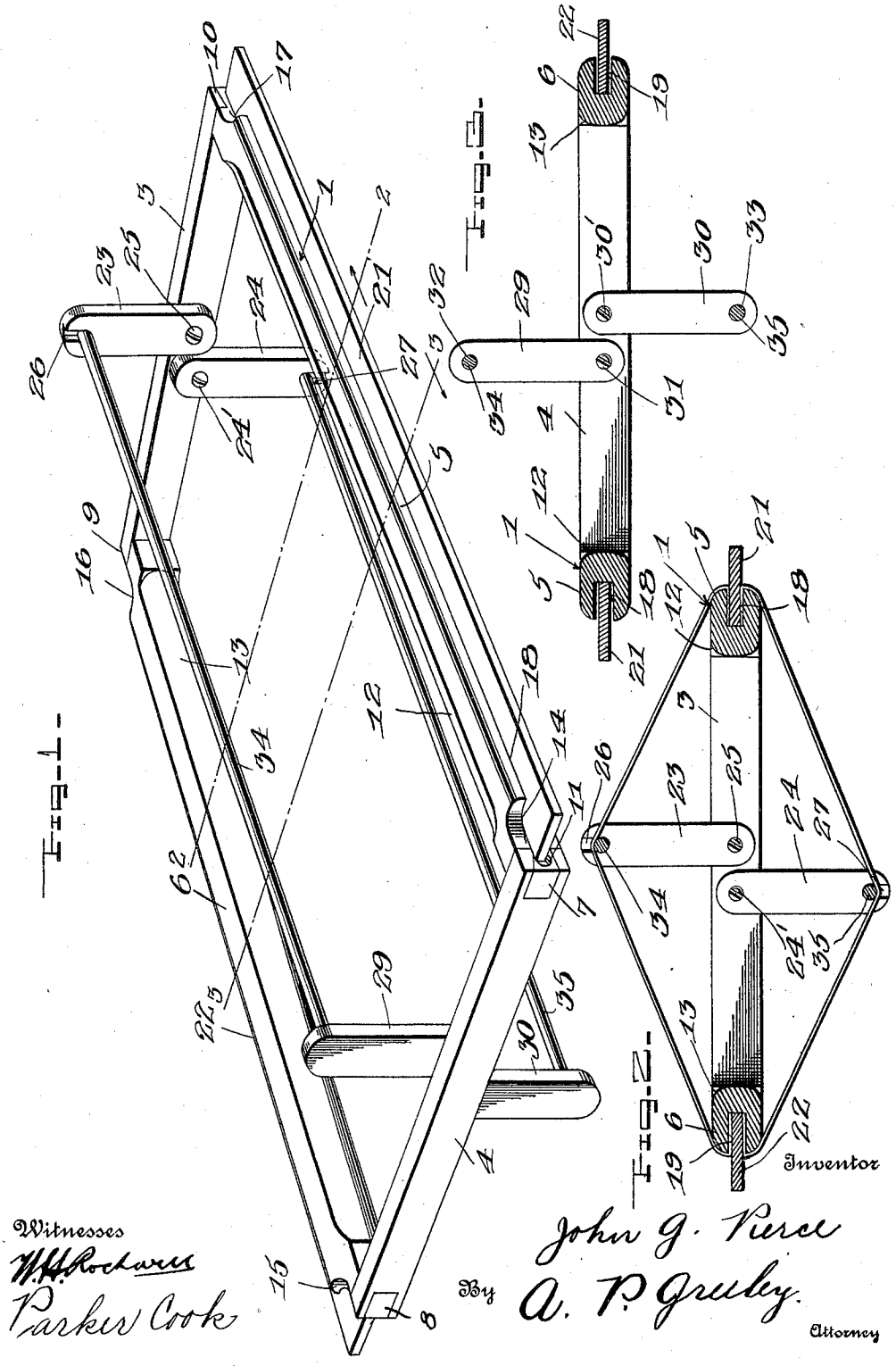
1,038,952. Patented Sept. 17, 1912.



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DRIER.

1,038,952. Specification of Letters Patent. **Patented Sept. 17, 1912.**

Application filed March 21, 1911. Serial No. 615,975.

To all whom it may concern:

Be it known that I, JOHN G. PIERCE, a citizen of the United States, residing at 380 C street, Salt Lake City, in the county of Salt Lake, State of Utah, have invented certain new and useful Improvements in Driers, of which the following is a description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improvement in driers, and more particularly to a drier for handkerchiefs, small articles of clothing, baby clothes, table napkins and towels, however, the drier may be constructed in larger sizes and adapted for drying table cloths, lace curtains or curtains of other material.

The object of my invention is to provide a drier on which the articles may be quickly and readily fastened, readily removed, and to provide a drier that is simple in construction, neat in appearance and cheap to manufacture.

With these and other ends in view, my invention consists in the novel features of construction and combination of parts as will be hereinafter fully described and pointed out in the claim.

In the drawings: Figure 1 is a perspective view of my improved drier; Fig. 2 is a cross-sectional view taken on the line 2—2 of Fig. 1, and looking in the direction of the arrow; and Fig. 3 is also a cross-sectional view taken on the line 3—3 of Fig. 1 looking in the direction of the arrow.

Referring to the drawing; in Fig. 1 is shown a rectangular frame 1 made up of the two ends 3 and 4 and the two sides 5 and 6. The ends of these side and end pieces are dovetailed as at 7, 8, 9 and 10, and then additionally fastened by screws as shown at 11.

I have found that by so joining the parts of the frame, a very tight, strong and rigid structure is obtained, but other suitable means of joining may be readily used.

The sides 5 and 6 are cut away slightly on the outer face of their ends as at 14, 15, 16 and 17 so that two strips hereinafter described may be more easily removed or placed in position.

On the outer face of each side 5 and 6 is a longitudinal groove 18 and 19 extending the entire length of the said faces, and two strips 21 and 22 are provided, being the same in length as the sides 5 and 6, and their thickness being slightly less than the width of the longitudinal grooves 18 and 19 so that the strips 21 and 22 will loosely fit in the said grooves. The width of the strips is as shown about twice the depth of the said longitudinal grooves.

The two sides 5 and 6 are slightly rounded on their inner face as at 12 and 13, this simply for the purpose of making a neater and more finished looking frame. Two arms 23 and 24 are pivoted near the center of the inner face of the end 3 by the screws 24′ and 25 and so positioned in relation to each other that they may be independently swung to extend above or below the level of the frame 1.

On the inner face of each of these arms and at their outer end are two longitudinal grooves 26 and 27. Two similar arms 29 and 30 are pivoted near the center on the inner face of the end 4 by the screws 30′ and 31 and are provided with small circular openings 32 and 33 on their inner face. Two rods 34 and 35 are supported by the arms 23 and 24, 29 and 30 their ends being adapted to fit the said circular openings 32 and 33 and the said longitudinal grooves 26 and 27.

When an article is to be placed on the frame one edge is simply placed over one of the longitudinal grooves 18 or 19, one of the strips inserted, and then stretched across the frame and over the other longitudinal groove, and the other strip inserted. If, however, the handkerchief or other article is slightly larger than the frame the arms supporting the rods 34 or 35 are raised to a vertical position as shown in the drawings, thus tightly stretching the article to be dried. Two articles may be stretched to be dried on the frame at one time, one on the upper and one on the lower side of the frame.

To remove the article the arms are simply moved until they are parallel with the frame and the strips 21 and 22 removed from the longitudinal grooves 18 and 19. From the foregoing it will be seen that my improved device is a very simple one, the articles to be dried easily fastened to the frame, easily stretched, and easily and quickly removed.

The drier is preferably made of wood,

but may be made wholly or in part of metal or other material.

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

In a drier the combination of a frame, arms pivoted to the end of said frame and one pair of arms provided with recesses on their inner face and the other pair of arms provided with longitudinal recesses on their inner face extending from the outer ends thereof, rods adapted to be supported by said arms and their ends adapted to fit within said recesses, said arms adapted to swing in a plane above and below that of said frame, a plurality of strips, the sides of said frame being provided on their outer faces with longitudinal grooves adapted to receive said strips for securing the articles to be dried, and the end portion of the sides of said frame being cut away.

This specification signed and witnessed this 21st day of February, A. D. 1911.

JOHN G. PIERCE.

In the presence of—
BLANCHE K. MCKEY,
ARTHUR F. THOMAS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."