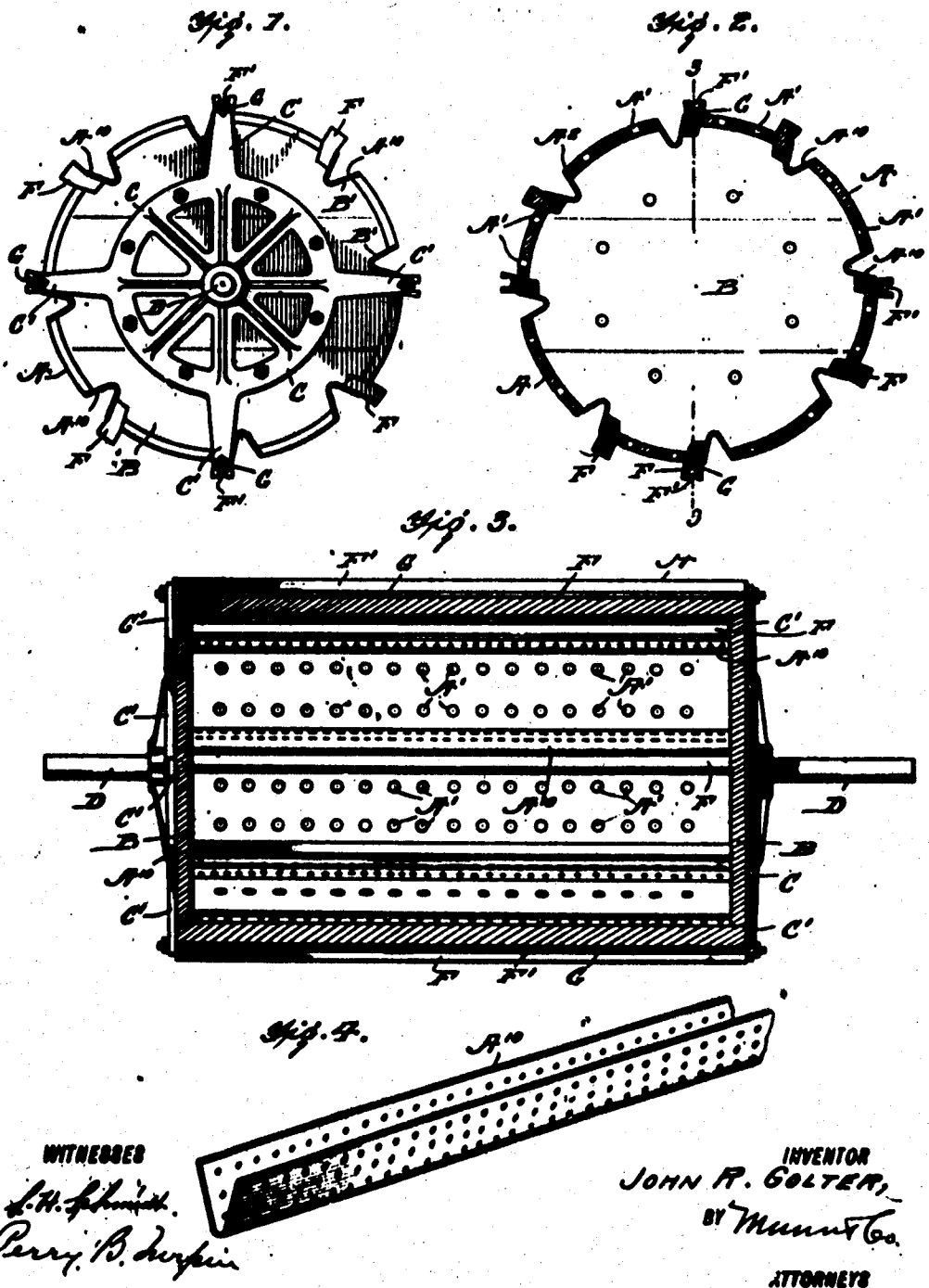


946,848.

Patented Jan. 11, 1910.



UNITED STATES PATENT OFFICE.

JOHN R. GOLTER, OF GREENSBORO, NORTH CAROLINA.

WASHING-MACHINE CYLINDER.

446,348.

Specification of Letters Patent. Patented Jan. 11, 1910.

Application filed September 28, 1909. Serial No. 519,964.

To all whom it may concern:

Be it known that I, JOHN R. GOLTER, a citizen of the United States, and a resident of Greensboro, in the county of Guilford and State of North Carolina, have made certain new and useful Improvements in Washing-Machine Cylinders, of which the following is a specification.

This invention is an improvement in the cylinders of washing machines; and consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing Figure 1 is an end view, and Fig. 2 is a cross section of a washing machine cylinder provided with my improvements. Fig. 3 is a longitudinal section on about line 3-3 of Fig. 2, and Fig. 4 is a detail perspective view of one of the perforated jet ribs.

In the construction shown, the cylinder body A is perforated at A', and the ends B are provided with the spiders C having the trunnions D.

The cylinder ends are notched at B', and the side or body is slotted longitudinally at A' for the reception of the perforated jet ribs A'', and the brace ribs F are arranged adjacent to the jet ribs and extend therewith throughout the length of the cylinder as will be understood from the drawing.

The perforated jet ribs fit within the slot A' and notches B', and project inwardly into the cylinder and the brace ribs F project inwardly alongside the jet ribs within the cylinder but terminate at a point short of the inner edges of the said jet ribs. The brace ribs also project outwardly beyond the cylinder and form wings to aid in the circulation of the water through the jet tubes, and certain of these brace ribs are grooved longitudinally at their outer edges at F' for the reception of tie rods G, which extend longitudinally of the cylinder and are secured at their ends to the arms C' of the spider frames C, the said arms C' extending outwardly and terminating at points alongside the ends of their respective brace rods as best shown in Figs. 1 and 3 of the drawing.

The brace ribs F operate to strengthen the cylinder and also form supports for the perforated jet ribs, the brace ribs being preferably of wood, and the jet ribs being preferably formed from brass plates. These jet ribs in operation tend to cause the water to

pass through the perforations with force as the cylinder revolves in the water thereby making it easier to mix the washing ingredients with the water and facilitating such mixing and the washing process as will be understood from the foregoing description and the accompanying drawing.

VI claim—

1. A cylinder for washing machines having a body portion and end portions and provided with longitudinally extending perforated jet ribs open at their outer sides and extending at their inner sides into the washing cylinder, and perforated for the passage of water, brace ribs extending alongside the jet ribs and projecting at their inner edges into the cylinder alongside the jet ribs, and also projecting at their outer edges beyond the cylinder, certain of said brace ribs being provided with longitudinal grooves for the reception of brace rods, brace rods extending within the grooves of their respective brace ribs, and spider frames at the ends of the cylinders and provided with outwardly projecting arms to which said brace rods are secured, substantially as set forth.

2. The combination in a cylinder for washing machines with a body portion and jet ribs projecting therein, of brace ribs extending longitudinally of the cylinder and alongside the jet ribs, certain of said brace ribs being provided with longitudinal grooves for the reception of brace rods, brace rods extending within the grooves of their respective brace ribs, and spider frames at the ends of the cylinder and provided with outwardly projecting arms to which the brace rods are secured, substantially as set forth.

3. The combination with a washing machine cylinder, of a cylinder body, perforated jet ribs extending longitudinally of the body and projecting into the washing cylinder, brace ribs extending alongside the jet ribs and projecting outwardly beyond the cylinder, certain of said brace ribs being provided with longitudinal grooves, and brace rods extending within the grooves of their respective brace ribs, substantially as set forth.

JOHN R. GOLTER.

Witnesses:

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