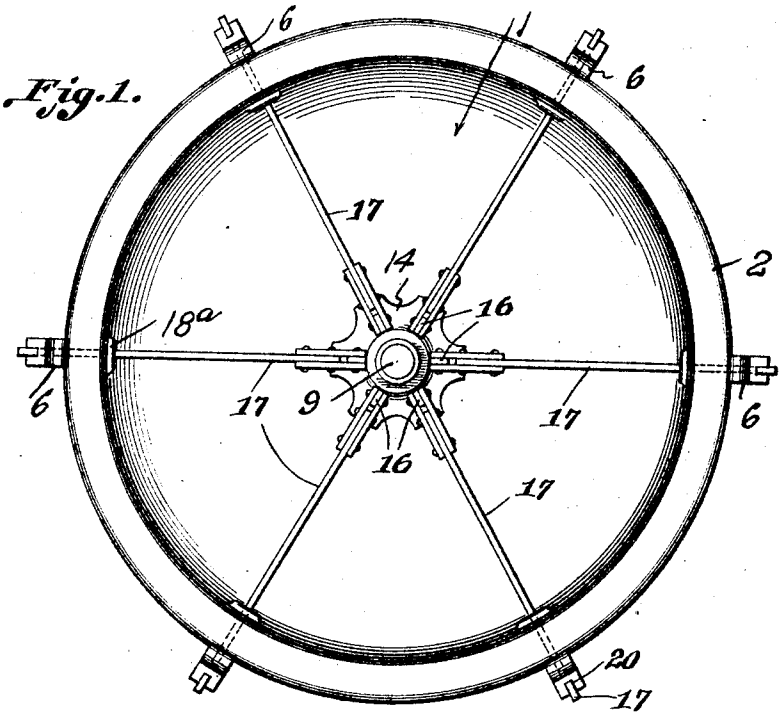
Dec. 15, 1925. 1,565,329

G. M. ROBISON

KETTLE DRUM

Filed May 9, 1923

Fig. 1.



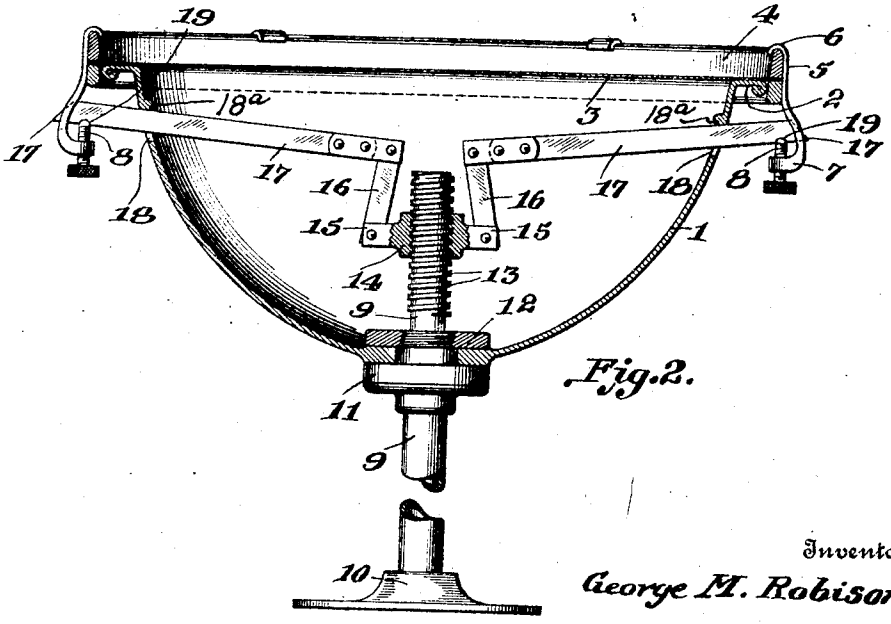


Fig. 2.

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UNITED STATES PATENT OFFICE.

GEORGE M. ROBISON, OF DENVER, COLORADO.

KETTLE DRUM.

Application filed May 9, 1923. Serial No. 637,852.

To all whom it may concern:

Be it known that GEORGE M. ROBISON, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, has invented certain new and useful Improvements in Kettle Drums; and he does 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 improvements in kettle drums and the like and more particularly to an improved tensioning device for varying the tension of the drumhead. Other objects will more particularly appear in the course of the following detailed description.

The invention consists in the novel construction, arrangement, and combination of parts as hereinafter more particularly described and claimed.

One sheet of drawings accompanies this specification as part thereof, in which like reference characters indicate similar parts throughout, and in which,—

Figure 1 is a plan view of the improved drum with the drumhead removed;

Fig. 2 is a vertical transverse sectional view of the improved drum.

In accordance with the present invention the drum is constructed as usual with a semi-spherical body part 1 which is rotatably mounted upon a vertical standard 9 having a base 10 and a suitable flange 11 for supporting the bottom of the drum. The drum may be secured in relation to flange 11 as by a nut 12. The body 1 of the drum is provided with a circumferential flange 2, against the upper face of which the drumhead 3 is adapted to rest, having its edge secured in a ring 4 adapted to seat exteriorly of the flange 2. The body of the drum is further provided with a plurality of spaced openings 18 arranged circumferentially and adjacent flange 2.

The upper part of standard 9 is adapted to project within the body of the drum and is threaded as at 13, and upon this thread part of standard 9 is mounted a nut part 14 adapted to co-mate with the threads 13. The nut 14 is provided with a plurality of radially projecting lugs 15, to which are pivoted vertically extending rods 16, which are in turn pivoted to radially projecting rods 17 which project one through each opening 18 in the body of the drum.

A plurality of substantially C shaped clamp members 5 are provided each having a hook end 6 adapted to engage over the upper edge of the ring 4 and provided at its other end 7 with a thumb-screw 8 adapted to be adjustable within the clamp 5 and to provide a pivot bearing for the outer end of a radial member 17. Preferably the clamps 5 are provided with a central slot 20 through which the radial members 17 may project, and the bottom of the radial members 17 are provided with detents 19 adjacent their outer end adapted to receive and provide a pivot bearing for screws 8.

By reason of the structure thus described it will be apparent that upon the rotation of the body 1 of the drum on standard 9, nut 14 will also be rotated, thus raising or lowering the nut relative to standard 9 and operating through radial rods 17 and connecting rods 16 to rock the radial rods 17 upon the pivot screws 8 thus operating to increase or decrease the tension upon the ring 4 and thus upon the drumhead 3.

It will further be noted that by reason of the connecting rods 16 the vertical movement of nut 14 is freely transmitted to rods 17 without any longitudinal movement of said rods 17 or any tendency to rock the clamps 5 by either an outward or inward thrust.

It will be noted that a suitable fulcrum is provided for lever 17 by permitting the some to rest against the upper edge 18ª of the opening 18.

It will be understood that details of construction may be varied without in any manner departing from the spirit of this invention.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is,—

In a kettle drum having a body rotatable

on a standard, said standard projecting and threaded within said body and a head secured marginally in a ring slidable over the body, a nut threaded to co-mate with the threaded standard within the body and provided with a plurality of radial lugs, a plurality of radial levers, connecting links pivotally securing said levers by one end to said radial lugs, and a plurality of clamps, each connecting the outer end of a radial lever, with the drumhead ring.

In testimony whereof I affix my signature.

GEORGE M. ROBISON.