

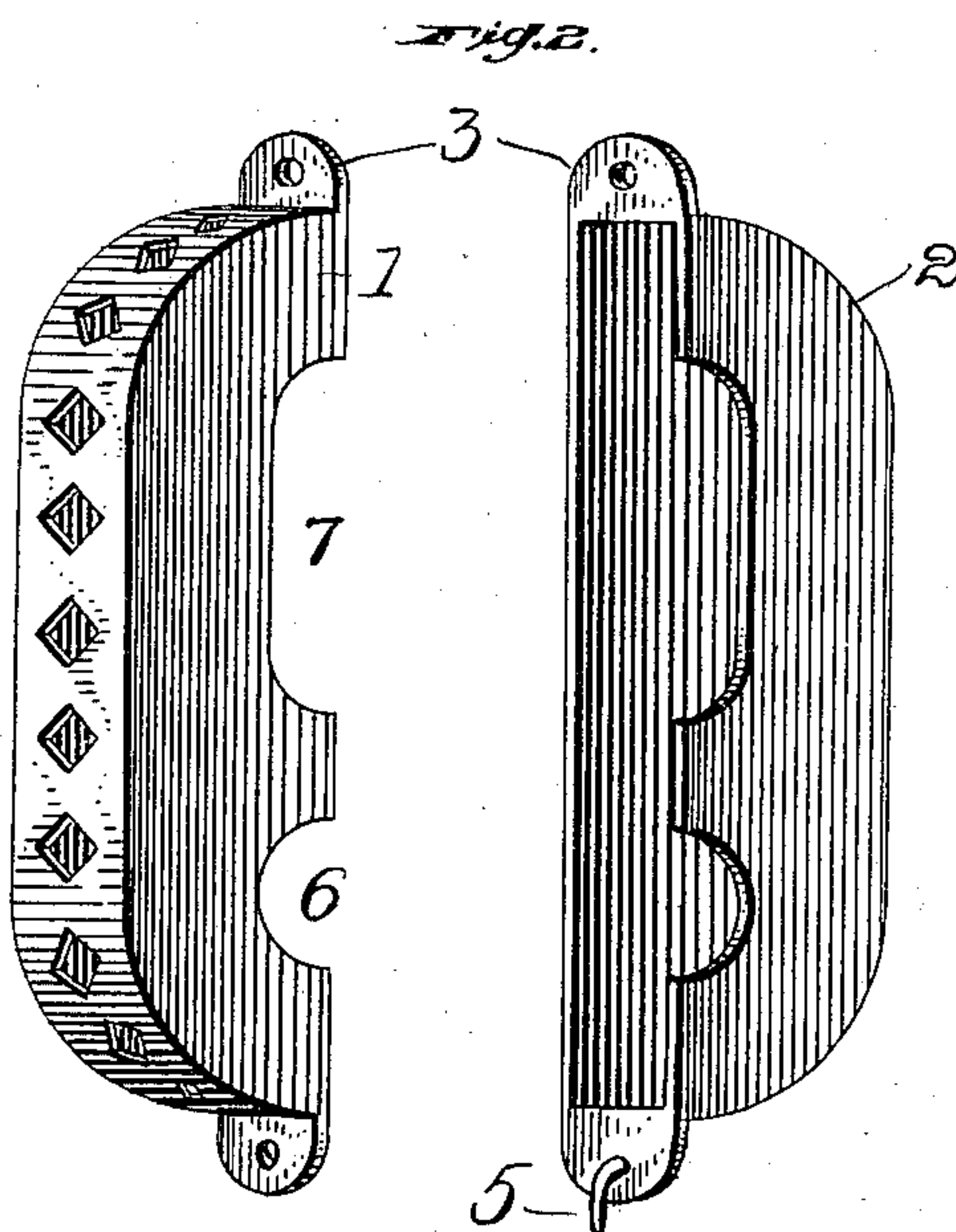
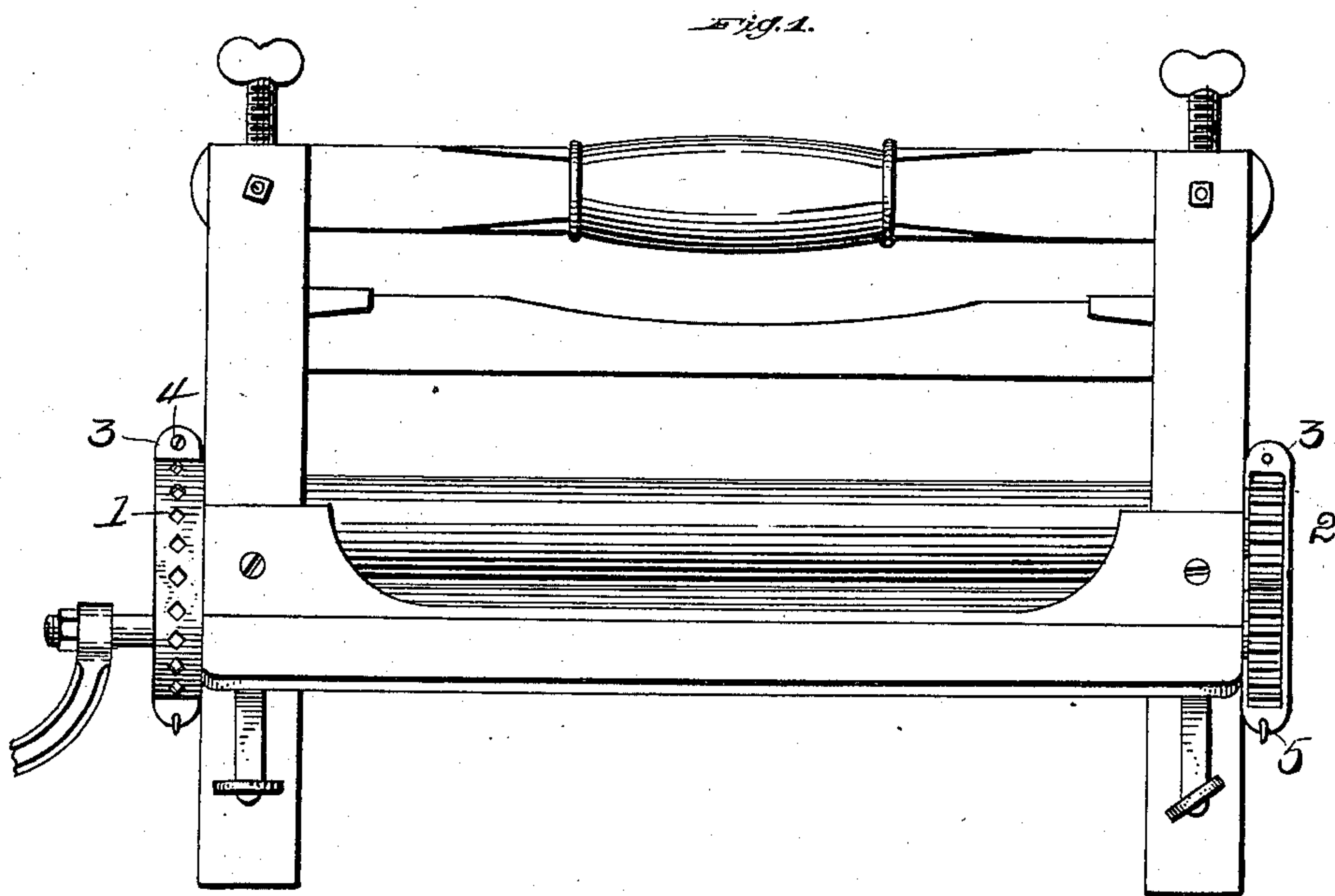
No. 726,737.

PATENTED APR. 28, 1903.

J. W. NOWAK.
CLOTHES WRINGER GEAR CASING.

APPLICATION FILED FEB. 19, 1903.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN W. NOWAK, OF ALLEGHENY, PENNSYLVANIA.

CLOTHES-WRINGER-GEAR CASING.

SPECIFICATION forming part of Letters Patent No. 726,737, dated April 28, 1903.

Application filed February 19, 1903. Serial No. 144,110. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. NOWAK, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Clothes-Wringer-Gear Casings, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in clothes-wringer-gear casings, and has for its main object to construct a gear-casing particularly adapted for use in connection with clothes-wringers which may readily be attached to any wringer, so as to effectually cover the gears thereof without requiring attachment to the wringer-frame for securing the case in position.

20 A further object of the invention is to construct a gear-case that will be extremely simple in its construction, strong, durable, and effectual in its operation.

25 In clothes-wringers as generally employed the gears are exposed, and the clothes being passed through the wringer often engage therewith, damaging the goods. Heretofore and before my invention, so far as I am aware, casings for the gears of wringers have generally required attachment to the frame of the wringer for securing the gear-casing in position. My improved device requires no attachment to the frame and may be easily and quickly applied and removed when desired for any purpose.

35 In describing the invention in detail reference will be had to the accompanying drawings, forming a part of this application, and wherein like numerals of reference will be employed for designating like parts throughout the views, in which—

40 Figure 1 is a front elevation of a wringer, showing my improved case applied in position over the gears at one side of the wringer and at the other side of the wringer showing one half or section of the case in position. Fig. 2 is a detail perspective view of the case, showing the members or sections separated.

45 To put my invention into practice, I construct a casing embodying two sections or members 1 and 2. When the sections are matched together and secured, they are or form a substantially elliptical-shaped case.

Each section or member of the case is therefore semi-elliptical in form, and each section is constructed at its one end, preferably the upper end, with a lug or flange 3, the lugs or flanges on the two sections engaging when the sections or members are matched together and being provided with apertures which register to receive a securing-screw 4. At the other end the two sections or members are also provided with extending lugs or flanges which abut when the sections or members are matched together, and one of these flanges or lugs carries a curved pin 5, which engages in an aperture provided therefor in the other lug or flange. The gear-case is preferably constructed with a perforate periphery, as shown, whereby the water which may flow into the same will readily drain therefrom. The gear-case is closed on its outer face and on its inner face is provided with an aperture 6 to receive the shaft of the driven roll and with an oblong slot 7 to receive the shaft of the friction-driven roll, the slot being employed whereby to permit the vertical movement of said friction-driven roll.

55 The device is placed in position over the gears without attachment to the frame of the wringer. To apply the same, the two sections or members are placed one on either side of the gears, the pin 5 inserted in the aperture provided therefor, and the sections or members then closed together, covering the gears, and in this position are secured by the screw or other equivalent fastening 4. The form of gears generally employed on wringers are thicker at the hub than at the teeth of the gear, and consequently only the hub of the gears will be in frictional contact with the sides of the case if any frictional contact of the gears with the case occurs. However, as the gear-case is held by the shafts of the rolls passing thereinto practically no frictional contact with the inner walls of the case will be had.

60 The device as shown and described may be easily attached, and if for any cause it is desired to remove the same it may be readily done by simply removing the screw 4, when the sections may be separated and removed. No attachment to the wringer-frame being made, the device is equally adapted for metal or wooden frame wringers.

While I have herein shown and described the invention in detail as it is practiced by me, yet it will be observed that various slight changes may be made in the details of construction without departing from the general spirit of the invention.

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

10 A gear-case comprising two equal sections adapted to match together and having a perforate periphery, said sections being closed

on their outer face and having an aperture and an oblong slot in the inner face, lugs or flanges formed integral with the ends of said sections, and means for fastening the lugs or flanges at each end of the sections together, substantially as described. 15

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

JOHN W. NOWAK.

Witnesses:

A. M. WILSON,
E. E. POTTER.