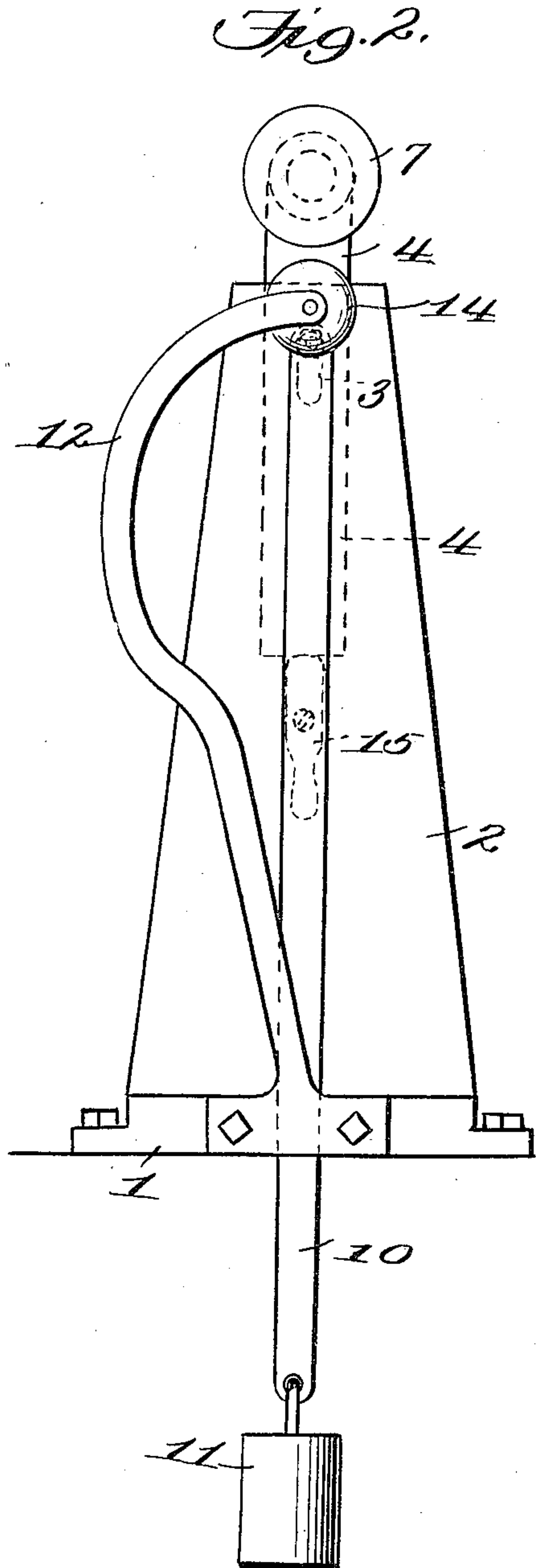
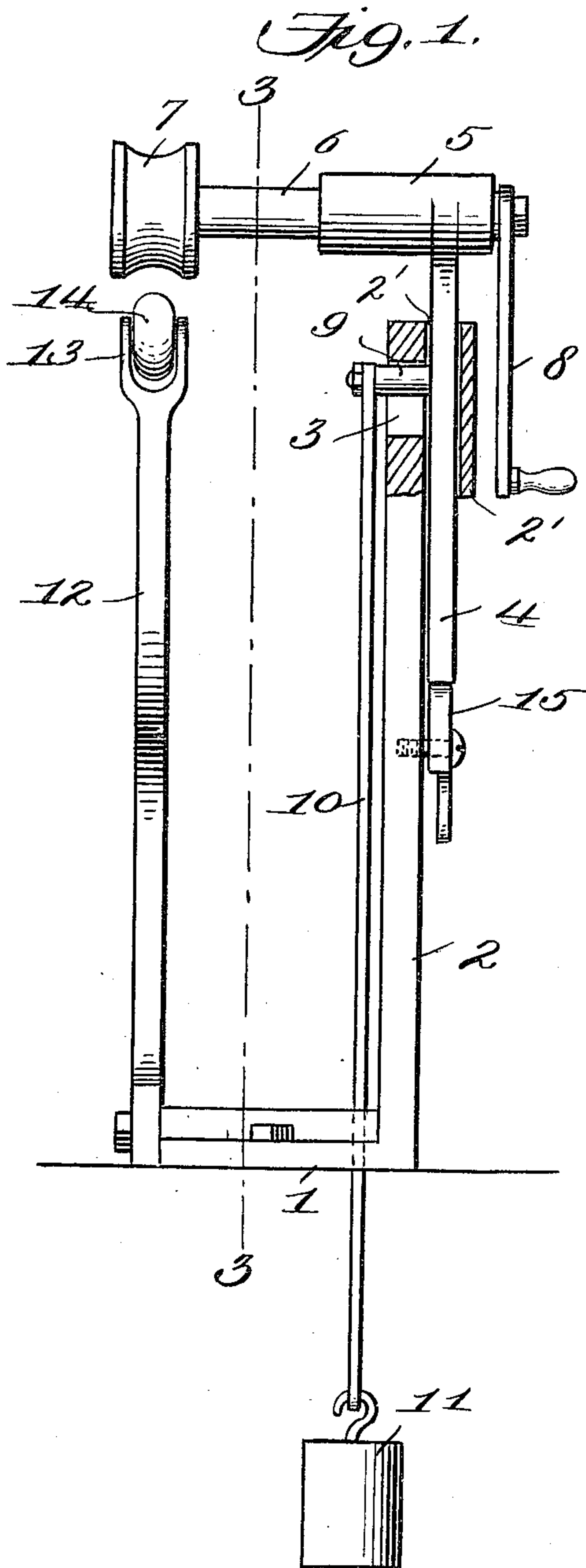


A. D. LAMONT.
EDGE ROLLING DEVICE FOR HOT WATER BOTTLES.
APPLICATION FILED MAY 23, 1910.

993,308.

Patented May 23, 1911.

2 SHEETS—SHEET 1.



Witnesses:
Ada E. Fagerty
Ernest C. Barth

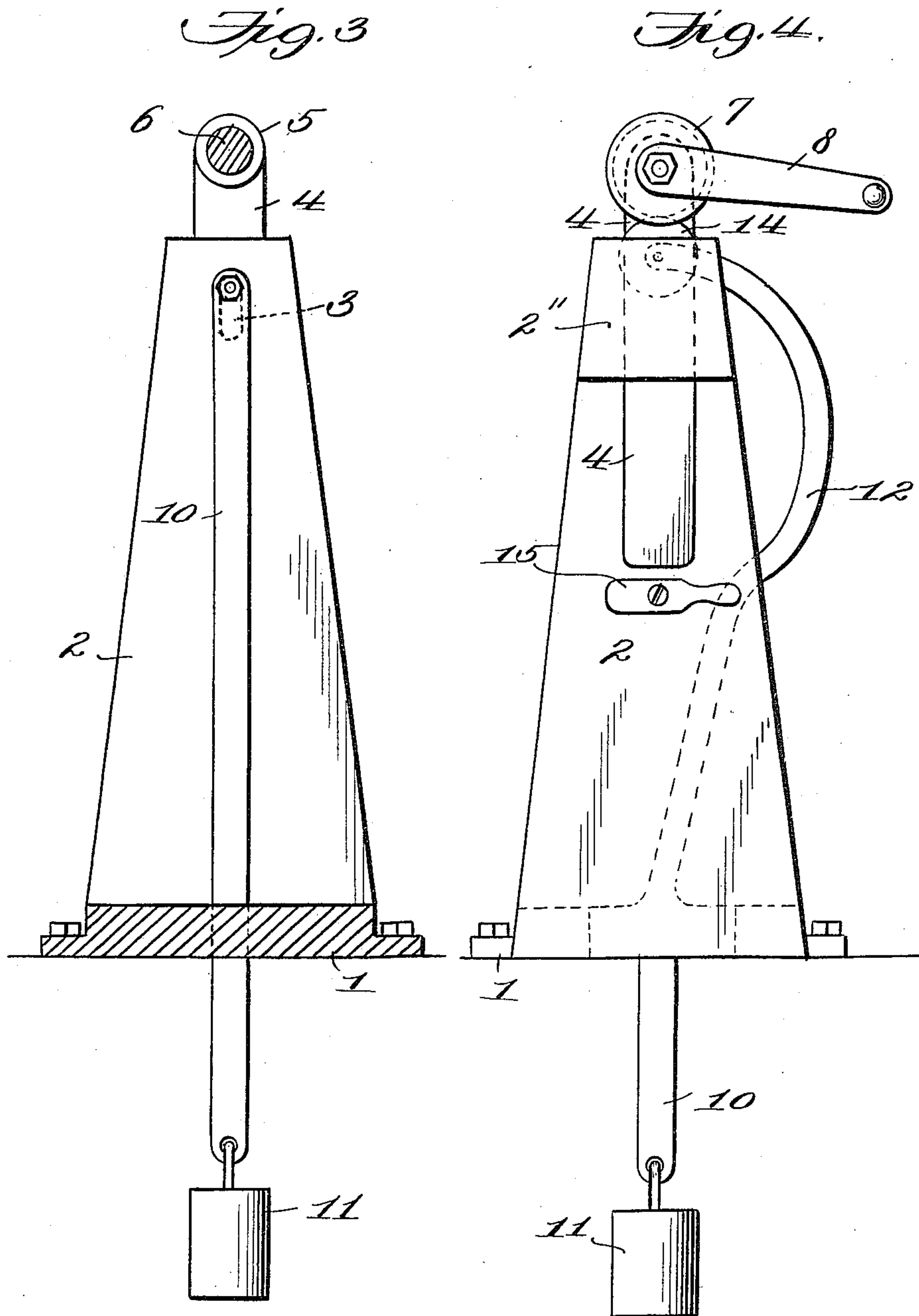
Inventor
Alexander D. Lamont
By Joseph A. Miller
att'y.

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UNITED STATES PATENT OFFICE.

ALEXANDER D. LAMONT, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO DAVOL RUBBER COMPANY, OF PROVIDENCE, RHODE ISLAND.

EDGE-ROLLING DEVICE FOR HOT-WATER BOTTLES.

993,308.

Specification of Letters Patent.

Patented May 23, 1911.

Application filed May 23, 1910. Serial No. 562,865.

To all whom it may concern:

Be it known that I, ALEXANDER D. LAMONT, a citizen of the United States, and a resident of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Edge-Rolling Devices for Hot-Water Bottles, of which the following is a specification.

This invention relates to certain new and useful improvements in edge rolling devices for hot water bottles.

The invention relates more particularly to a device for rolling the edge or finishing strips of hot water bottles and similar articles or devices, and the object of the invention is to provide a simple, novel, and efficient device of this nature which will roll the edges or finishing strips in a more efficient, thorough and practical manner than is possible otherwise.

Still further the invention aims to increase the simplicity and practicability and lessen the cost of manufacture of devices of this nature, all of which will be further manifested together with other objects which of themselves will later herein appear.

In the drawings Figure 1 is a side elevation partly in section, Fig. 2 is an end elevation, Fig. 3 is a section on line 3—3 of Fig. 1, and Fig. 4 is an end elevation of the machine opposite to that shown in Fig. 2.

The invention as at present contemplated includes a base 1 formed at one end with a standard or upright, the latter at its upper end having a short longitudinal slot 3. The standard or upright 2 at its top end is enlarged as shown at 2' and is formed with an aperture or guide-way 2', within which is slidably received and guided a slide 4, the latter at its upper end being formed integral with a horizontal disposed bearing 5. A shaft 6 is journaled in the bearing 5 and at its outer end carries a peripherally grooved roll 7 and at its inner end a crank handle 8, by means of which it is evident that the roller 7 may be rotated. The slide 4 has secured to it a bolt 9 which extends through the slot 3 of upright 2 and is secured to the upper end of a rod 10, which rod passes through an aperture in the base 1 and receives guiding movement thereby and at its lower end carries a weight 11. A spring arm 12 of somewhat sickle-form is

provided with an enlarged foot bolted to the base 1 and at its upper end has a bifurcated or forked end 13, a peripherally convexed roll 14 being journaled in the furcations of the fork and cooperating with the grooved roll 7, in an obvious manner. Below the slide 4 a latch 15 is pivoted, the function of which is, when in the position shown in Figs. 1 and 2, to hold the roll 7 and its related parts in an upper position, incapable of downward movement. It is evident, however, that when the latch is swung to the position depicted in Fig. 4 of the drawings, the roll 7 and its vertical parts are capable of moving downward in order to cooperate with the roll 14. It will further be seen that when the latch 15 is in inoperative position the weight 11 will at all times maintain the rolls 7 and 14 in engagement with each other.

In operation when a new bottle is being placed in the device and over the roll 14 of the spring 12, the latch 15 is moved to its operative position as seen in Figs. 1 and 2, and after the bottle has been properly positioned the latch 15 is swung to its inoperative position thereby allowing, through action of gravity, the roll 7 and its related parts to move downwardly holding the edge or finishing strip of the hot water bottle or any other article or contrivance acted upon, to be engaged between the rolls 7 and 14, whereupon the roll 7 is rotated by means of the crank handle 8.

Having thus described my invention, I claim as new and desire to secure by Letters Patent;—

1. In a device of the type set forth, a base plate, formed with a slotted upright, said upright having an enlarged part adjacent the slot thereof, the enlarged part being formed to provide a guide way, a slide operating in the guide way and having a bolt which projects through the slot of the upright, a rod connected to the bolt and extending downwardly, a weight on the lower end of the rod, a bearing integral with the slide, a shaft journaled in the bearing, a roll on one end of the shaft, a crank on the other end of the shaft, an irregularly shaped spring arm secured to the base and having a roll on its free end which cooperates with the first named roll, and a pivoted latch having one end adapted to engage the slide to hold the latter inoperative.

2. In a device of the type set forth, a base, an upright secured to said base, a slide, supported by the upright, a roller carried by the slide, a depending rod secured to said
5 slide, said rod extending through an aperture in said base, a weight carried by said rod, and a spring arm secured on said base and carrying a roller on its free end for co-
operation with the first named roller.

10 3. In a device of the type set forth, a base, an upright secured to one end of said base, a spring arm secured to the opposite end of said base, said arm being provided with an integral foot portion on one end
15 which is secured to the base, the opposite end of the arm being arc-shaped and having a forked extremity, a roller in the fork, and a slide supported by the upright.

4. In a device of the type set forth, a
20 member, a slide movably held by said member, a projection carried by the slide, a weight secured to the projection, a roller carried by the slide, and a spring arm carrying a roller underlying the first named
25 roller.

5. In a device of the type set forth, a slotted upright formed with a guide-way, a slide in the guide-way having a bolt extending into said slot of the upright, a weighted
30 rod depending from said bolt, a roller carried by the slide, and a second roller underlying the first roller.

6. In a device of the type set forth, an upright formed with a guide-way, a slide extending in the guide-way, a weight carried

by the slide, a bearing carried by the upper end of the slide, a cam pivoted to the upright and adapted to engage the lower end of the slide, a roller journaled in said bearing and a second roller beneath the first
40 named one.

7. An edge rolling device for hot water bottles, comprising, a lower roller, means for resiliently mounting said roller, the highest
45 point of the roller extending above said mounting, an upper roller for coöperation with said lower roller, and means for carrying the upper roller, said last named means including a support, and a right angular
50 slide, the top of the slide extending above the top of the support and carrying the roller.

8. An edge rolling device for hot water bottles, comprising, a lower roller, an upwardly extending member forming a re-
55 silient mounting for said roller, a support arranged to one side of the member in spaced relation thereto, a slide carried by the support, an upper roller and means whereby the upper roller is carried by the slide, said
60 means supporting the upper roller so that the same overlies the lower roller.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALEXANDER D. LAMONT.

Witnesses:

ADA E. HAGERTY,
J. A. MILLER.

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