No. 625,607. Patented May 23, 1899.

H. B. ROSE.

DEVICE FOR TILTING KETTLES.

(Application filed July 7, 1898.)

(No Model.)

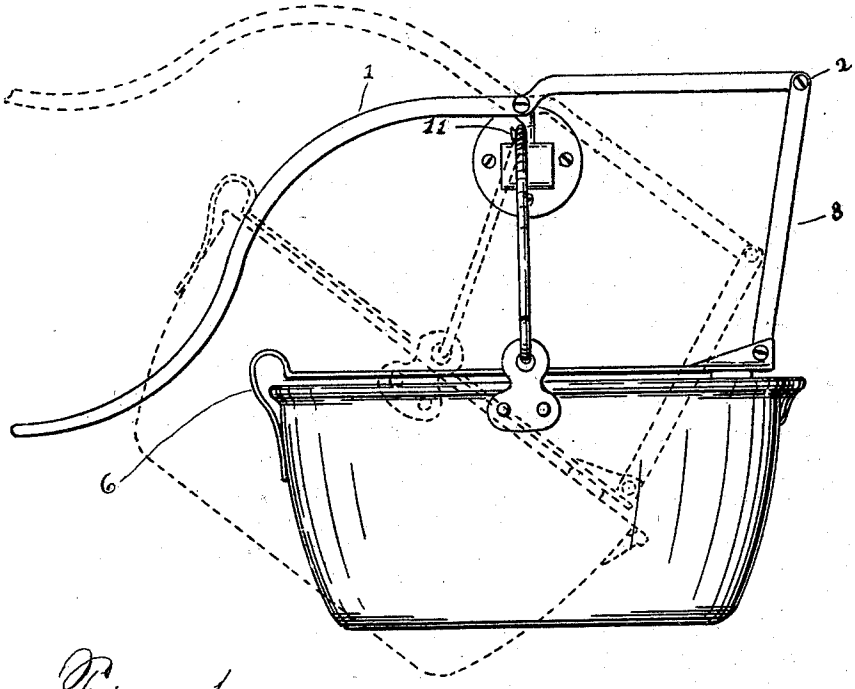


Fig. 1.

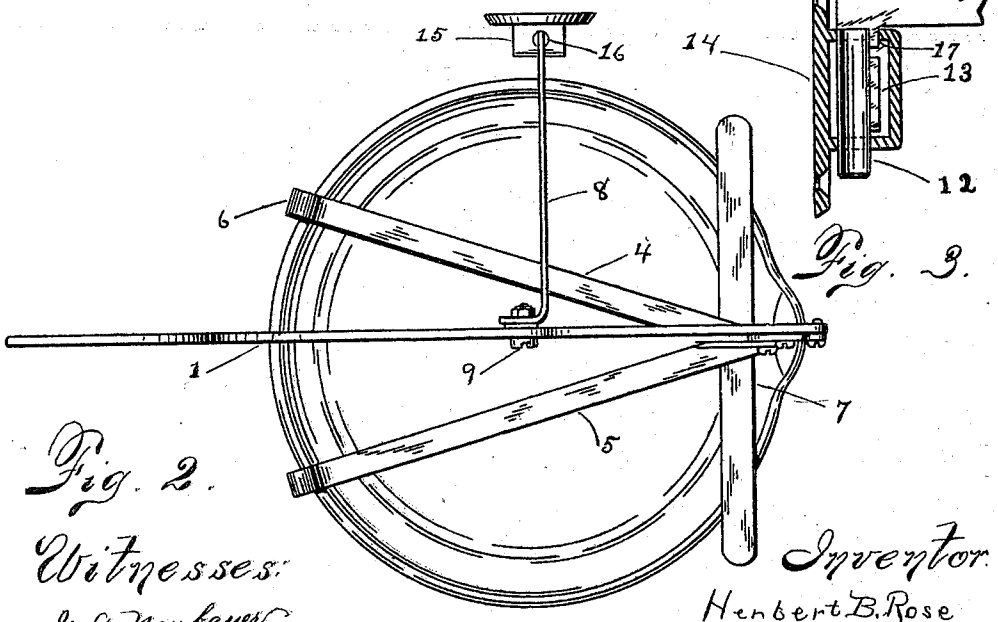


Fig. 2.

Fig. 3.

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DEVICE FOR TILTING KETTLES.

SPECIFICATION forming part of Letters Patent No. 625,607, dated May 23, 1899.

Application filed July 7, 1898. Serial No. 685,315. (No model.)

To all whom it may concern:

Be it known that I, HERBERT B. ROSE, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Devices for Tilting Kettles, of which the following is a specification.

My invention relates to a novel device for tilting kettles and similar vessels, and is adapted to be secured to the side of a wall or other convenient place and by means of a lever to tip or tilt a suspended vessel, and thus pour off hot or boiling water or empty or partially empty the vessel without the danger of burning the hands, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 represents a side elevation of the device having a vessel suspended therefrom and representing the tilted position of the vessel in dotted lines. Fig. 2 represents a top plan view. Fig. 3 represents an enlarged detail of a portion of the supporting-arm and the plate, illustrating the construction of this portion of my device.

The device consists, essentially, in a lever, a gripping device, and means for suspending said lever and gripping device from the wall or other suitable point, so as to be capable of both a horizontal swinging movement and a vertical movement for tilting the vessel.

In referring to the drawings for the details of construction like numerals designate like parts.

The lever-arm 1 is preferably curved, as shown in Fig. 2, so as to remove the hand below or to one side of the heat or steam ascending from the vessel. To the forward end of the lever 1 is pivotally fastened, by means of a bolt 2 or other well-known means, a connecting-rod 3, and the lower end of said connecting-rod is pivotally fastened to the forward end of the gripping device. This gripping device comprises two arms or strips of metal 4 and 5, which are connected together at one end and preferably extend from each other at an acute angle and terminate at their opposite ends in the bent or hook portions 6, which are adapted to catch over the edge of the vessel.

A cross-bar 7 is secured to the arms at or near their connected ends, which rests upon the top edge of the vessel, and thus supports that end should the device be attached to a vessel of larger diameter than the length of the arms.

The lever-arm 1 is pivotally secured to a supporting strip or arm 8 by means of a bolt or screw 9. This supporting-arm 8 is provided at or near one end with a hook 11, in which the bail of the vessel is placed to sustain the same, (see Fig. 1,) and at the opposite end with a downwardly-extending portion 12, substantially circular in cross-section and having a peripheral enlargement 13, the purpose of which will be hereinafter explained.

To support the arm 8, I preferably employ a plate 14, which is fastened to the wall or other suitable point and which is provided with extensions 15, having circular openings 16, into which the downwardly-extending portion 12 is adapted to be inserted and rotatably supported. By referring to the enlarged view in Fig. 3 it will be observed that the circular openings 16 are enlarged at one portion of their circumference to provide the slots 17, into which the enlargements 13 are adapted to fit. The enlargement 13 is separated into two portions by cutting away a portion, thus restoring the downwardly-extending portion 12 to its original circular form at that portion and providing means for swinging the arm when the circular portion is properly seated in the openings. The supporting-arm is also locked to the plate at all points of its swinging adjustment, except at the point where the enlargements register with the openings.

The operation of the device will be readily understood by reference to Fig. 1 of the drawings.

I claim as my invention—

1. A device for tilting vessels comprising a support from which the vessel is suspended, a lever pivotally connected to the support, and a gripping device pivoted to the lever, as set forth.

2. A device for tilting vessels comprising a plate adapted to be secured to the wall, and having extensions provided with circular openings, and shallow depressions or slots merging into said openings, a swinging sup-

porting-arm having a downwardly-extending portion substantially circular in cross-section at one end adapted to be inserted in the openings in the extensions and provided with a peripheral enlargement adapted to fit in the slots, a hook on said arm for supporting the vessel, a lever pivotally secured to said arms, a gripping device composed of two arms connected together at one end, extending from each other at an acute angle and having hooks at their opposite ends adapted to catch over the side edge of the vessel, and a cross-bar and a connecting-rod pivoted at its upper end to the lever and at its lower end to the gripping device, as set forth.

3. A device for tilting vessels comprising a supporting-arm, means for supporting one end of said arm from a wall or similar point, a hook on said arm for supporting a vessel, a lever pivotally supported by the arm, and a gripping device adapted to seat upon the mouth of the vessel and having hooks fitting over the side edge thereof, as set forth.

4. A device for tilting vessels comprising a supporting-arm having a horizontally-swinging movement, a lever pivotally supported by said arm, and a tilting device having means for gripping the vessel pivotally suspended from said lever.

5. A device for tilting vessels comprising a plate a supporting-arm having a horizontally-swinging movement supported from said plate a lever pivotally supported by said arm, a gripping device and means for locking said arm to the plate, at nearly all points of its horizontal movement, as set forth.

6. A device for tilting vessels comprising a supporting-arm, means for supporting one end of said arm from a wall or similar point, means for supporting a vessel from said arm, a lever pivotally supported by the arm, a gripping device, and a rod connecting the gripping device to the lever, as set forth.

7. A device for tilting vessels comprising a plate adapted to be secured to the wall, and having extensions provided with openings, a swinging supporting-arm having a downwardly-extending portion adapted to be inserted in the openings in the extensions, a hook on said arm for supporting the vessel, a lever pivotally secured to said arm, a gripping device having hooks adapted to catch over the side edge of the vessel, and a connecting-rod pivoted at its upper end to the lever and at its lower end to the gripping device, as set forth.

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