

W. A. OSLEY.
 DEVICE FOR SUPPORTING PAILS OR THE LIKE.
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1,228,813.

Patented June 5, 1917.

Fig. 1.

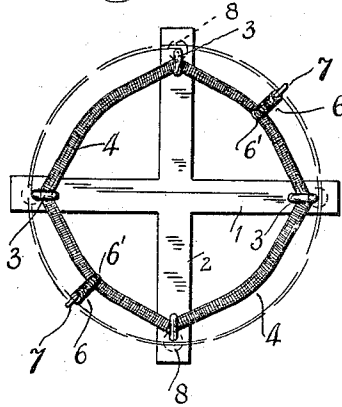


Fig. 3.

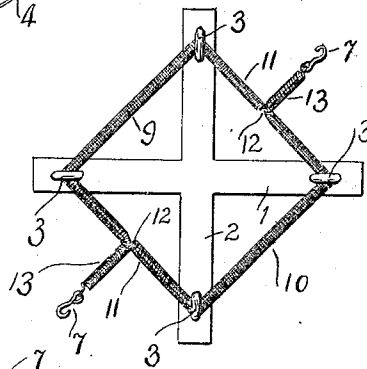
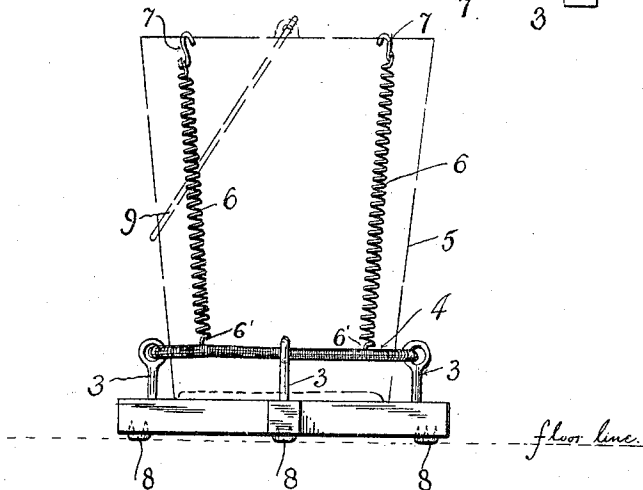


Fig. 2.



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UNITED STATES PATENT OFFICE.

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DEVICE FOR SUPPORTING PAILS OR THE LIKE.

1,228,813.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLARD A. OSLEY, a citizen of the United States of America, residing in the city of Springfield, county of Hampden, and State of Massachusetts, have invented certain new and useful Improvements in Devices for Supporting Pails or the like, of which the following is a specification.

This invention relates to improvements in devices for supporting a metallic pail or other receptacle in which hot water is placed for cleaning purposes. As is well known in devices of this kind the object is to so support the receptacle that the heat from the contents of the pail or other receptacle will not injure highly polished floors or window sills wherever the device may be used for the purpose intended.

The object of the present invention is to provide a supporting device for a pail or other receptacle so that the heat will not come into contact with the floor or other support on which it is placed and one that can be readily attached to and removed from the device. A further object is to provide means whereby the pail can be readily moved or pushed from place to place without any appreciable friction. I am aware that devices of a different construction have been patented for supporting pails or similar receptacles but I am not aware that the specific construction herein disclosed has heretofore been known or used. Broadly stated, it comprises a support of suitable material on which the pail or like receptacle is placed and elastic means for clamping the pail to the support in a vertical direction and elastic means to which the vertically disposed elastic clamping means is secured, whereby receptacles of different dimensions may be readily secured to the support.

Referring to the drawings:

Figure 1 is a plan view showing the improvement and particularly illustrating the manner of attaching a coiled spring to the base piece, and showing the springs that are attached to this spring, that are detachably secured to the upper edge of the receptacle, and the eyelets through which the first mentioned spring is passed;

Fig. 2 shows a side elevational view of the device in use in which a pail or other receptacle is held to the support with the

clamping springs extended as shown to engage the upper edge of the pail.

Fig. 3 is a modification.

Referring to the drawings in detail: The base piece preferably comprises two members 1 and 2 of wood or other suitable material, which are secured together in the form of a cross, the arms of which are of equal length. Secured in the upper side of these arms and near the ends thereof are screw eyes 3 through which passes the coiled spring 4. This spring is of such length that when its ends are connected together it will assume practically the form shown in Fig. 1. The distance between the opposite screw eyes 3 is such that the bottom portion of the pail 5 will pass therebetween and engage and rest upon the upper surface of the platform, as clearly shown in Fig. 2. In order to clamp the receptacle to the support the short extension springs 6 are provided, one end of which is attached to the spring 4 between the screw eyes 3 at 6' and having hooks 7 at their upper ends. These springs, as shown in Fig. 1, are of the normally contracted type but when the receptacle is placed in the position shown in Fig. 2 these springs are stretched, or extended, so that the hooks 7 at their outer ends engage the upper edge of the receptacle 5 thus securely clamping the same to the support. Although only two of these extensible springs are shown more can of course be used if desired. Attached to the lower side of the arms 12 and at the outer ends thereof are anti-friction devices 8, preferably consisting of what is known in the trade as "domes of silence," which comprise broad bearing surfaces of steel that are formed with prongs that are driven into the lower side of the arms 1 and 2. These devices furnish anti-friction means whereby the pail or the like receptacle and its support may be readily moved about on polished surfaces without injuring the same and also without any danger of the contents of the receptacle being spilled.

Referring to the modification shown in Fig. 3: It will be observed that the spring 4 instead of being made in one piece is made of two pieces indicated at 9 and 10. The length of these pieces is such that when they are passed through two of the screw eyes and the end 11 of one spring is at

5 tached to the other spring at a point distant
 from the hook 7 at a point 12, a portion 13
 of sufficient length is provided to securely
 clamp the pail or other receptacle to the
 10 base or support. A continuous piece spring
 from the hook 7 to the point of attachment
 12 is, therefore, provided. The free ends
 of the spring 13 are extended in the same
 manner as the springs 6 of the construction
 15 shown in Figs. 1 and 2, that is to say, after
 the pail or other receptacle is placed on the
 arms 1 and 2 the ends 13 are then extended
 so as to cause the hooks 7 to engage the up-
 per edge of the pail, as shown in Figs. 1
 20 and 2. This construction is simple since it is
 only necessary to pass the springs 9 and 10
 through two of the screw eyes 3 and then
 connect the inner ends of each of the springs
 9 and 10 at a point distant from the hooks 7
 25 in the other spring so that the ends 13 are
 of proper length for the purpose intended.
 As readily understood it is an easy matter
 to connect the ends of the springs to the
 ends 13. All that is necessary is simply to
 30 rotate the coiled spring so as to cause the
 turns thereof at the ends to engage the ends
 of the turns of the ends 13. The form of
 the connected springs in plan view is sub-
 stantially the same as that shown in Fig. 1.
 35 It will be seen from this construction that
 the device is such that when the bail 9 is
 used to carry the receptacle from place to
 place the support is at the same time car-
 ried with the receptacle and can be readily
 40 attached to and removed therefrom since it
 is made light enough so as not to add any ap-
 preciable weight.

What I claim is:

40 1. In a device of the class described, the
 combination with a suitable support, com-
 prising a cross shaped member the arms of
 which are designed to receive the lower edge
 of the receptacle, devices secured to the
 ends of the arms and a coil spring slidably
 45 engaging said devices, means for clamping
 the receptacle to the base member compris-
 ing extensible springs provided with hooks
 at their upper ends for engaging the upper
 edge of the receptacle, as described.
 50 2. A device of the class described, com-
 prising in combination with a suitable sup-
 port to receive a pail or other receptacle,
 means for securing coiled springs to the sup-
 port, the end of one spring being attached to
 55 the other spring at a point distant from its
 end so as to afford sufficient length of the
 free end of the other spring which would

serve as an elastic clamping device to en-
 60 gage the upper edge of the receptacle, as
 described.

3. A device of the class described, com-
 65 prising in combination with a suitable sup-
 port, devices secured to the support to re-
 ceive a plurality of coiled springs, each of
 the springs having a hook at one end thereof,
 70 the other end of each of the springs being
 attached to the adjacent spring at a point
 distant from its hook to provide elastic
 members for engaging the upper edge of a
 pail or other receptacle to secure the same to

the base, as described.
 4. A device for clamping a pail or other
 receptacle to a support or platform, the sup-
 port having screw eyes secured thereto,
 75 coiled springs passing through said eyes,
 the springs being connected together, so as
 to leave one end of each spring with a free
 end, means on the free ends to engage the
 upper edge of the receptacle, said free end
 80 being of such length as to place the same un-
 der tension, when the upper edge of the re-
 ceptacle is engaged by said means, as de-
 scribed.

5. In a device of the class described, the
 combination with a suitable support to re-
 85 ceive a receptacle, comprising a member
 having arms which are designed to receive
 the lower edge of said receptacle, devices se-
 cured to the ends of the arms and a spring
 engaging said devices, means for clamping
 90 the receptacle to the base member compris-
 ing extensible springs having one end at-
 tached to said spring and its other end pro-
 vided with attaching devices for engaging
 the upper edge of the receptacle, as de-
 95 scribed.

6. A device for clamping a receptacle to a
 support or platform, the support having de-
 vices secured thereto to permit the receptacle
 to pass between said devices and engage the
 100 support, coiled springs normally under ten-
 sion and secured to said devices and near the
 portion of the support which receives the
 lower edge of the receptacle, and other coiled
 105 springs secured at one end to said first men-
 tioned springs, their other, or free ends hav-
 ing devices to engage the upper edge of said
 receptacle and of such length that said sec-
 ond mentioned springs will be placed under
 110 tension when attached to the upper edge of
 the receptacle, and said first mentioned
 springs will at the same time be placed un-
 der an additional tension.

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