

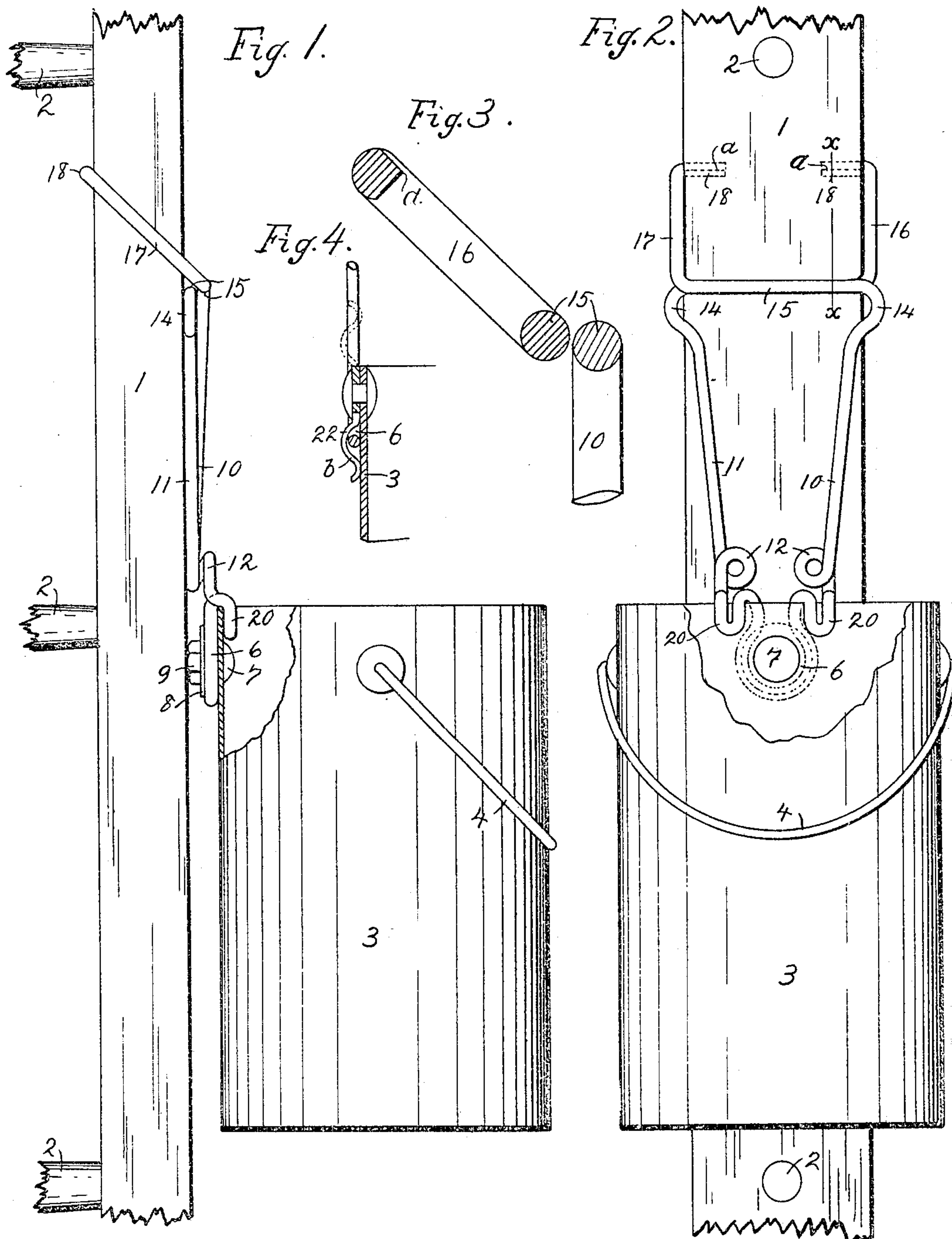
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RECEPTACLE SUPPORTING ATTACHMENT.

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RECEPTACLE-SUPPORTING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 787,911, dated April 25, 1905.

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To all whom it may concern:

Be it known that we, ALWIN J. GERHARDT, HENRY O'CONNOR, and CHARLES A. VIOLET, citizens of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Receptacle-Supporting Attachments, of which the following is a specification.

Our invention relates to devices for supporting paint-pails and other receptacles from a ladder.

The object of our invention is to provide a form of device which will hold a pail or other receptacle in a rigid position at the side of a ladder and which can be adjusted along the ladder to suit the convenience of the user.

In the following description reference is had to the accompanying drawings, in which—

Figure 1 is a detail showing one of the side bars of a ladder and a portion of the rungs with our invention in position of use and supporting a paint-pail, which is partially broken away to show the means for connecting the support with the pail. Fig. 2 is a view of the same as seen from the side of the ladder with a portion of the pail broken away. Fig. 3 is a sectional view drawn on line *x x* of Fig. 2. Fig. 4 is a detail view showing a modified form of device for connecting the paint-pail with the support.

Like parts are identified by the same reference characters throughout the several views.

1 is a side bar of a ladder, of which 2 represents the rungs.

3 is a paint-pail, the bail 4 of which is not used when our improved support is employed. The support is preferably formed of spring-wire, one portion of which forms an eye 6, through which a bolt 7 passes, which connects the support rigidly with the side of the pail 3, as illustrated. The bolt is preferably provided with a washer 8, interposed between the nut 9 and the eye, the washer being of such size that a firm bearing upon the eye 6 is secured.

Clamp-actuating arms 10 and 11 project upwardly from the eye 6, preferably with coils 12 near their lower ends to increase the

resiliency of the arms. The actuating-arms 10 and 11 are respectively elbowed at 14 and provided with inwardly-projecting crossed members 15, which carry the clamping-arms 16 and 17. The extremities 18 of these clamping-arms are bent inwardly and are adapted when in use to bear against the inner surface of the side bar 1 of the ladder. These extremities are preferably formed with an edge *a*, which bears against the engaged face of the side bar 1 and assists to keep the device from slipping.

It will be observed that the actuating-arms 10 and 11 and the crossed members 15 occupy planes substantially parallel with the eye 6, but that the clamping-arms 16 and 17 extend at an angle to such planes, whereby the arms 15 are (or one of them is) permitted to bear against the outer surface of the ladder-bar 1, while the extremities 18 bear against the inner face of the bar 1 at a higher point on said bar. To release the device from the bar 1, the actuating-arms 10 and 11 are pressed inwardly, thus causing the clamping-arms 16 and 17 to separate. When the clamping-arms are slightly separated, the device may be slipped upwardly or downwardly on the bar 1 to any desired position of adjustment; but if it is desired to remove the device the actuating-arms 10 and 11 are pressed inwardly until the extremities 18 are sufficiently separated to clear the edges of the bar.

The entire device, with the exception of the connecting-bolt 7, may be formed of a single piece of resilient wire bent into the desired shape, and, if desired, the wire may also be provided with loops 20, projecting inwardly over the edge of the pail, as best shown in Fig. 1, in order to prevent the pail from swinging upon the bolt 7. This construction also relieves the strain upon the edges of the metal of the pail at the bolt-hole.

In Fig. 4 an attachment is employed by means of which the support may be readily removed from the pail. In this construction a resilient tongue 22 is bound to the pail by the bolt 7, the tongue being arranged to bear against the outer surface of the pail near its

extremities, with an intervening outwardly-projecting loop *b*, in which the eye 6 may be engaged. The tongue 22 when in position of use projects downwardly from the bolt 7; but when it is desired to withdraw the eye 6 of the support the tongue is swung to an upwardly-projecting position, when it extends above the edge of the pail, as indicated by dotted lines in Fig. 4. In this position the eye can be readily withdrawn.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination with a receptacle of a resilient clamp connected to one side thereof and having outwardly-projecting arms adapted to engage the side bar of a ladder.

2. The combination with a receptacle, of a support connected to one side thereof and having resilient crossed arms adapted to engage the side bar of a ladder.

3. The combination with a receptacle, of a support connected to one side thereof and having resilient crossed arms adapted to engage the side bar of the ladder, said resilient arms being arranged to extend diagonally across the edges of the ladder side bar, with portions bearing upon its inner and outer faces.

4. The combination with a receptacle, of a resilient clamp secured to one side thereof, said clamp having arms extending diagonally outwardly from the receptacle and adapted to engage the side bar of the ladder.

5. The combination with a receptacle, of a resilient clamp connected with the receptacle

by suitable actuating-arms, said actuating-arms being provided with hooked portions, engaging over the edge of the receptacle.

6. The combination with a receptacle, of a resilient clamp provided with actuating-arms connected to form an eye at their lower ends; a resilient loop pivotally secured to the side of the receptacle near its upper edge and adapted to be removably engaged in said eye.

7. The combination with a receptacle, of a resilient clamp provided with actuating-arms connected to form an eye at their lower ends; a resilient loop pivotally secured to the side of the receptacle near its upper edge and adapted to be removably engaged in said eye, said loop being arranged to project downwardly from the point of connection with the receptacle when in use, but adapted to be swung upwardly and to project above the edge of the receptacle when in position of release.

8. The combination with a receptacle of a resilient clamp connected to one side thereof and provided with outwardly-extending diagonal arms adapted to embrace the side bar of a ladder and formed to bear upon the inner and outer surfaces of said bar.

In testimony whereof we affix our signatures in the presence of two witnesses.

ALWIN J. GERHARDT.
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CHARLES A. VIOLET.

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