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[54] **DEVICE FOR SUPPORTING A BUCKET ON A LADDER**

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[51] **Int. Cl.²** **F16M 13/00**

[58] **Field of Search** 248/210, 211, 238

[56] **References Cited**

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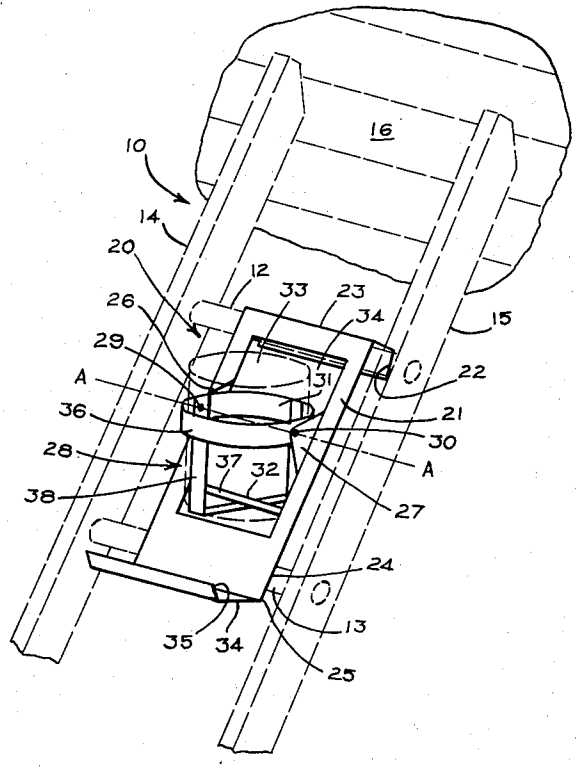
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[57] **ABSTRACT**

A receptacle for a bucket is pivotally mounted on a base, adapted to be hung on one rung of a ladder and restrained from movement by another rung, the pivots being located so that entry to the top of the bucket is substantially free of obstructions. A support may also be provided for scrapers, dust brushes, wiping cloths and the like.

5 Claims, 2 Drawing Figures



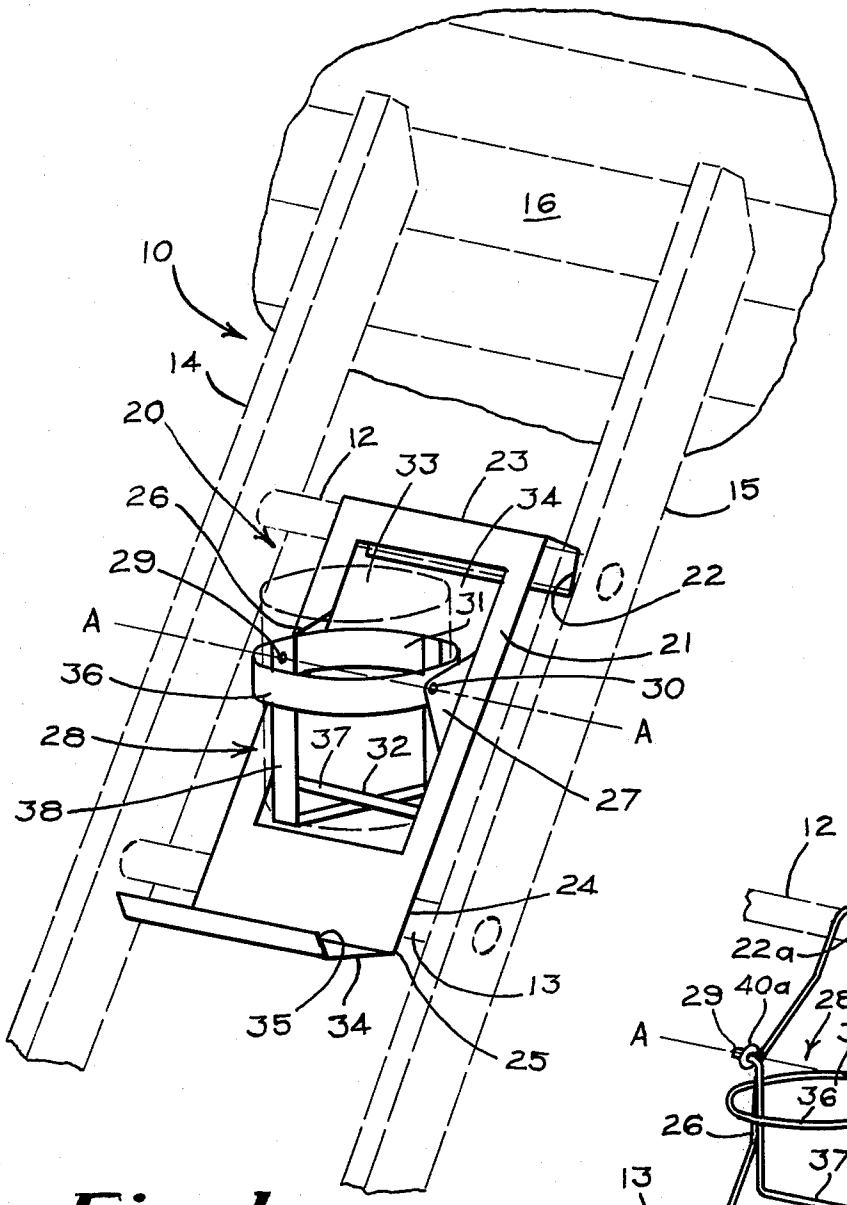

16
10
14
20
12
33
23
34
15
26
29
22
31
A
21
36
30
A
28
37
32
27
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13
35
34
25

Fig. 1

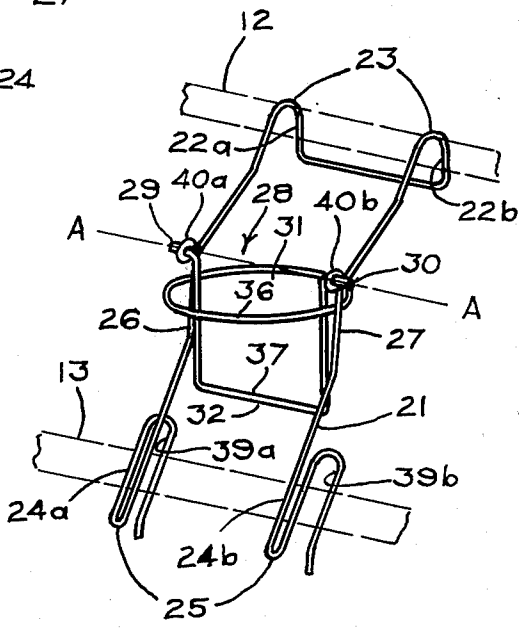

12
23
22a
22b
29
40a
28
40b
A
31
30
36
A
26
27
37
13
32
21
39a
39b
24a
24b
25

Fig. 2

DEVICE FOR SUPPORTING A BUCKET ON A LADDER

BACKGROUND OF THE INVENTION

In painting a wall such as the outside of a building, a ladder (usually of the extension type) is leaned against the wall and a bucket is suspended by its handle and an S-shaped hook from a rung of the ladder in order to free the hands of the painter to manipulate the brush and to steady himself. Such a support for the bucket is simple and inexpensive, but it has some serious disadvantages. The most obvious disadvantage is that the rung from which the bucket is suspended always obstructs entry to the bucket, being directly over a diameter of the bucket. Another disadvantage is that the bucket is free to swing back and forth and sideways. There is no provision for holding scrapers, dust brushes, wiping cloths and the like.

SUMMARY OF THE INVENTION

According to this invention a receptacle for a bucket, can, or other container, is pivotally mounted on a base supportable on the rungs of a ladder. Entry to the bucket is free of obstruction. The bucket is prevented from swinging sideways and only a pivoting motion forward and backward is permitted to reduce the chance of spilling paint or other content of the bucket.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a perspective view of one embodiment of this invention, showing its use.

FIG. **2** is a perspective view of another embodiment.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

As shown in FIG. **1**, a ladder **10** having a plurality of rungs, such as **12, 13,** between side rails **14, 15** leans against a wall **16** for support. The invention **20** comprises a base **21,** shown as made of a sheet material, having a hook **22** at its upper end **23,** whereby said base may be hung from one of the rungs **12.** A portion **24** toward the lower end **25** rests against another (usually a lower) rung **13.** A reference plane for the base through hook **22** and portion **24** is thus determined by the position of the rungs **12, 13.** A pair of spaced brackets **26,** 27 projects forwardly from the plane of the base **21.** Means for receiving and supporting, such as a receptacle **28,** is pivotally mounted on the brackets by aligned pivots **29, 30.** The receptacle **28** is open at the top **31** and effectively closed at the bottom **32** to receive and support a bucket or other container **33,** which is not part of the invention. An axis A—A through pivots **29,** 30 is parallel to the rungs **12, 13** and spaced forwardly from the plane of the base **21.** An aperture **34** in the base between brackets **26, 27** permits a portion of the receptacle **28** to extend behind the plane of base **21.** The spacing of axis A—A forwardly from the plane of the base and the size of the aperture are such as to permit substantially unobstructed access from above the receptacle **28** or to any container therein. The lower end **25** is provided with a shelf or support **34** having a lip **35** to hold accessory articles such as brushes, scrapers, cloths and the like. The receptacle **28** is shown as comprising an annular member **36** at the top **31** to limit lateral motion of any container **33** in the receptacle and at least one U-shaped member **37, 38** dependent from the annular strip to support the container by effectively closing the bottom **32.** If the container is tapered or has a lip to engage the annular member **36,** the U-shaped member may be eliminated.

FIG. **2** illustrates another embodiment made of formed and welded wire or rod. The same reference numerals are employed where applicable. The hook comprises two portions **22***a*, 22*b* hanging from rung **12** to prevent the base **21** from rotating in its plane. The portions **24***a*, 24*b* rest against the front of rung **13** as before, but form parts of forks **39***a*, 39*b* adapted to straddle rung **13** and prevent rotation around rung **12** in either direction. The pivots **29, 30** are formed by out-turned ends of the U-shaped member **37.** Bearings in which the pivots rotate are formed by loops **40***a*, 40*b* in the wire comprising brackets **26, 27.** In this embodiment, the annular member **36** is welded to the U-shaped member **37** near the pivots **29, 30** to provide lateral support for any container in receptacle **28.**

Many equivalent constructions will become obvious. The scope of this invention is defined solely by the claims.

I claim:

1. A device for supporting a container on a ladder having a plurality of rungs, said device comprising a rigid base of sheet material, a hook formed on one end of the base adapted to hang said base on one of the rungs, a portion of the base engagable with another of the rungs to restrain rotation of the base around said one rung, said hook and said portion defining a plane of the base, an aperture in said base between the hook and said portion, a pair of spaced brackets bent fowardly from the base, means for receiving and supporting the container, and aligned pivots mounting said means on the brackets about an axis parallel to said rungs and displaced from the plane to substantially level the container and to permit substantially unobstructed access from above to said means.

2. A device according to claim **1** wherein said portion of the base comprises a fork adapted to straddle said other rung to substantially prevent rotation of the base on said one rung.

3. A device according to claim **1** additionally comprising an article support integral with the base.

4. A device according to claim **3** wherein said support comprises a shelf.

5. A device according to claim **1** wherein said hook comprises spaced portions adapted to engage the one rung at spaced points.

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