

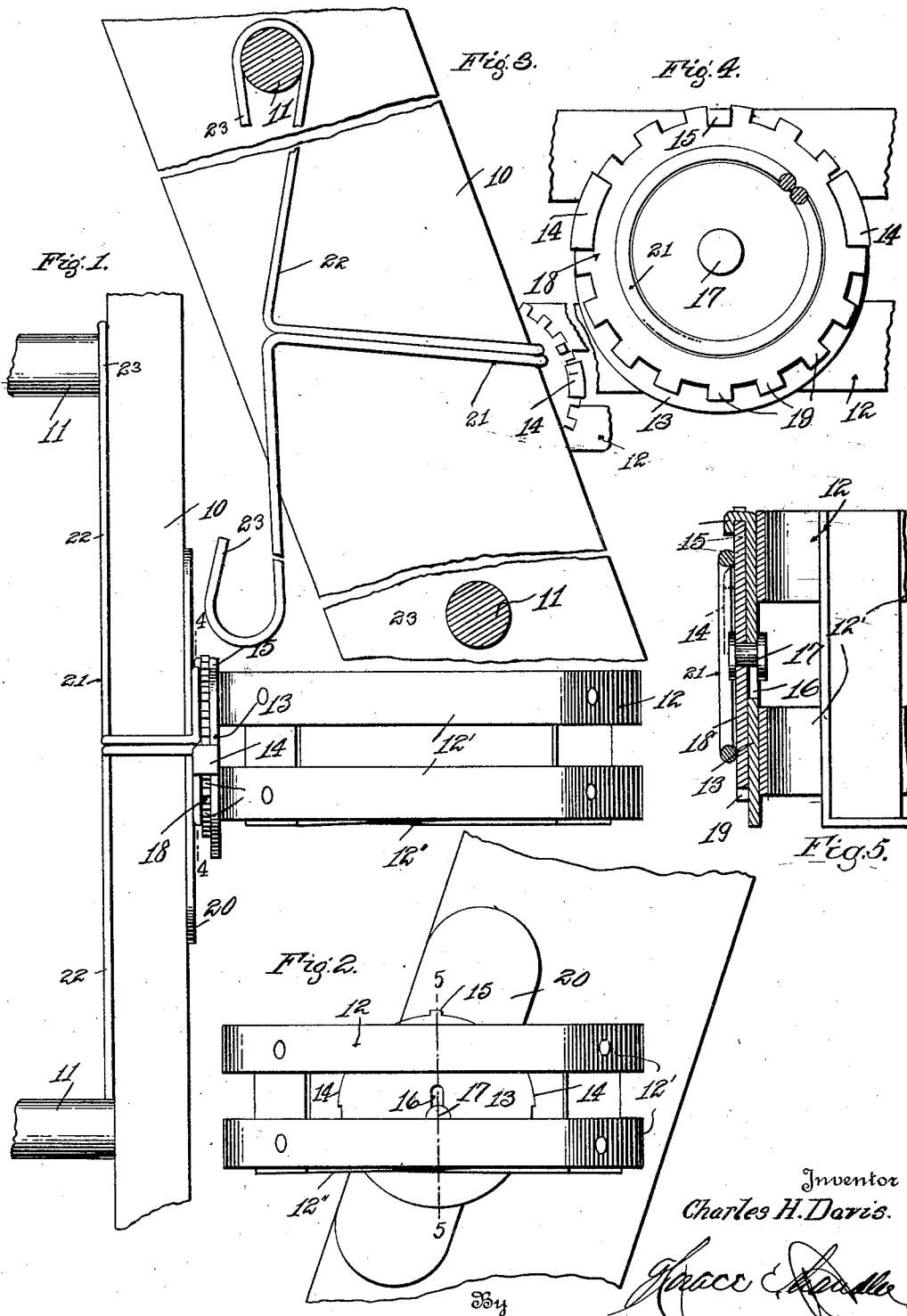
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ATTACHMENT FOR LADDERS

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ATTACHMENT FOR LADDERS

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This invention relates to new and useful improvements in supporting devices, and particularly to devices for supporting painters' pots, and the like, on ladders.

5 One object of the invention is to provide a simple and efficient device of this character which can be easily and quickly applied to and removed from a ladder, and which will support a paint pot, or the like, in proper level position.

10 Another object is to provide a device of this character which is readily adjustable to cause the paint pot to assume a level position, regardless of the angle of the ladder.

15 A further object is to provide a device of this character which is adjustable to cause the paint pot to assume a level position, and also permit such adjustment without removing the device from the ladder.

20 A still further object is to provide a device which is adapted to support a paint pot in position for use, and at the same time support an additional paint pot, to be used at another time, such device being particularly adapted for supporting paint pots containing two colors.

25 Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

30 In the drawing:

Figure 1 is a front elevation of the device in position on a ladder.

Figure 2 is a side elevation.

35 Figure 3 is a vertical sectional view through a ladder looking toward the right in Figure 1.

Figure 4 is an enlarged vertical sectional view on line 4—4 of Figure 1, showing the 40 notched wheel and means for holding the wheel in different rotary adjusted positions.

Figure 5 is an enlarged vertical sectional view on the line 5—5 of Figure 2.

Referring particularly to the accompanying drawing, 10 represents a side rail, and 45 11 the rungs of a ladder, in connection with which the present invention is adapted for use. The receptacle 12, for receiving the paint pot, is composed of strap metal strips, 50 including the circular wall 12' and the crossed

bottom strips 12". Secured to the outer face of the wall 12' is a circular disk 13 having the opposite intumed tabs 14, at the sides, and the single narrower tab 15 at the center of the upper portion of the disk, said tabs 55 being struck from the periphery of the disk, as will be understood from the drawing. In the center of the disk is a vertically arranged elongated opening or slot 16, which receives the pin 17 carried by the center of the peripherally toothed disk 18, the teeth of the disk being designated by the numeral 19, on the drawing. The tabs 14 serve to retain the disk 18 in close contact with the disk 13, while permitting the disk 18 to rotate freely 60 with relation thereto. It will be noted that the tab 15 is of a width slightly less than the space between adjacent pairs of teeth 19, so that the said tab may easily engage in said space, and thereby hold the disk 18 65 against rotation. It will be further understood that the disk 18 may be rotated only at such time as the central pin 17 is in the lowermost portion of the slot, thus permitting the teeth 19 to clear the tab 15. It will also 70 be noted that the tabs 14 are wider than the spaces between the teeth so that they cannot engage in such spaces, but merely serve to retain the disk 18 in close contact with the disk 13. 75

Secured to the outer face of the disk 18, and extending transversely thereof, is a metal plate 20, which, as seen in the drawing, lies longitudinally of the outer side face of the side rail 10 of the ladder. Also secured to 80 the disk 18 is a wire clamp 21, comprising the arms 22 having terminal hooks 23, the upper one of which is adapted for engagement with one of the rungs 11 of the ladder, while the other hook depends at the rear of the ladder in position to receive the bail of an additional paint pot. The position of the clamp, between the arms and the plate 20, is offset outwardly in parallel spaced relation to the plate, to provide a space within 85 which is received the side rail of the ladder.

The receptacle 12 is adapted to normally gravitate with respect to the toothed disk 18, by reason of the fact that the slot permits movement of the pin 17, with the result 100

that the tab 15 will engage between an adjacent pair of teeth, thereby holding the disk 18, and the disk 13 against relative rotation.

By this construction, when the ladder is placed against the wall, the painter may lift the receptacle to such a degree that the pin 17 will be in the lower end of the slot 16, when the receptacle may be rotated, with respect to the ladder engaging means, and permit the receptacle to be adjusted to a position which is horizontal and parallel to the ground. The operator then permits the receptacle to gravitate until the tab 15 engages between a pair of teeth 19, when the receptacle will be held against rotation, and the paint pot, disposed in the receptacle, held in its proper horizontal position.

It will be particularly noted that the rotary adjustment of the receptacle is accomplished without the necessity of removing the clamp from the ladder.

It will be also noticed that the use of nuts and bolts, or other adjusting or clamping means, is obviated.

What is claimed is:

A rotatably adjustable bracket including a peripherally toothed disk having a central pivot, a second disk having a diametrically arranged slot receiving said central pivot whereby to rotate and slide with respect to the first disk, lugs on the periphery of the second disk embracing the toothed periphery of the first disk, and a tongue intermediate the lugs and arranged to engage between adjacent teeth of the first disk upon gravitational movement of the second disk.

In testimony whereof, I affix my signature.
CHARLES H. DAVIS.