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Witnesses

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MEASURING-VESSEL SUPPORT.

No. 903,302.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MAHLON P. MOORE, a citizen of the United States of America, and resident of North Anson, in the county of Somerset and State of Maine, have invented certain new and useful Improvements in Measuring-Vessel Supports, of which the following is a specification.

This invention relates to certain new and useful improvements in measuring vessel supports, or, in other words, to an adjustable shelf, support or the like designed for supporting a jug or other receptacle or container beneath the pump such as is used in grocery stores for pumping molasses, or other liquids or substances, and it has for its objects among others to provide a simple, cheap and durable device designed to be supported from the hollow tube extending up from the barrel, and capable of quick and easy adjustment to accommodate jugs or other receptacles of various heights so as to bring them into proper position to receive the molasses or other substance.

It has for a further object to provide a device of this character which shall be certain in its action, sure to remain in place wherever adjusted, constructed to occupy but little space, readily turned upon its support so as to be out of the way when not in use, and holding itself in position more securely as the weight in the receptacle increases.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the numerals of reference marked thereon, form a part of this specification and in which

Figure 1 is a perspective view showing the application of my invention. Fig. 2 is a perspective view of one of the clamps for holding the rod. Fig. 3 is an enlarged section on the line 3—3 of Fig. 1. Fig. 4 is an enlarged detail in vertical section through a portion of the shelf. Fig. 5 is a perspective view showing a modified form of rod with the cooperating portion of the shelf or support. Fig. 6 is a perspective detail of the rod seen in Fig. 5.

Like numerals of reference indicate like parts throughout the several views.

Referring to the drawings 1 designates the delivery pipe of a pump of any suitable or well known form of construction of which 2 is the discharge spout.

3 is a rod which may assume any desired form in cross section, being shown in Figs. 1 and 4 as substantially round, and this rod is designed to be secured to the pipe or tube 1 parallel therewith. In the present instance, I have shown it as secured by means of two clamps, one near each end of the rod. As the two clamps in this instance are alike in all respects, a detailed description of one will suffice for both. One of such clamps is shown detached in Fig. 2 and comprises a main portion 4 forming a little more than one-half of a circle, one end of the metal thereof being turned at an angle, as seen in Fig. 2, to form the flange 5. The other end of the metal of the portion 4 is bent at an angle to form the flange portion 6 and the tubular portion 7, the free end of said portion 4 being formed into a flange 8. 9 is the cooperating member of the clamp. It is formed at one end with the flange 10 which is designed to engage and lie parallel with the flange 8, while the other end is bent outwardly to form a flange 11 which when in use is designed to contact with and lie flat against the flange 5. The flanges 5 and 11 are provided with coincident openings to receive a bolt 12 upon which is a nut 13 by which the parts are clamped firmly together. The flange 10 is provided with an opening 14 through which and through an opening in the flange 8 and a coincident opening in the flange 6 is designed to pass a bolt 16 adapted to receive a nut 17 to clamp the flanges 6, 8 and 10 firmly together, as will be understood from Fig. 3. In practice, the clamps are put around the tube or pipe 1 and the bolts 12 inserted and the nuts 13 screwed up thereon. The rod 3 is then placed within the tubular members 7 of the upper and lower clamps and then the bolts 16 inserted and the nuts 17 screwed up so as to firmly clamp the flanges 6, 8 and 10 together, when the tubular members are compressed or caused to firmly embrace and hold the rod against vertical or other movement.

18 is the shelf or support. It comprises a substantially horizontal member which may be of skeleton form, as seen in Fig. 1, combining lightness and strength, or any other formation may be employed if desired. From this main portion extends the lug or member 19 which extends upwardly at an angle therefrom and is provided with an opening 20 which extends vertically when the member 19 is in a horizontal position, or

when the shelf is in the position seen in Figs. 1 and 4, with the main member horizontal and the member 19 inclined, the opening is out of parallel with the perpendicular, as seen best in Fig. 4, so that the upper and lower edges bind against the rod 3, and the more weight upon the member 18 the more secure will be the clutch or frictional effect or grip upon the rod.

10 In practice, the member 19 is sleeved upon the rod 3 between the clamps, before the latter are applied, and the shelf or support is readily adjustable up or down, it being only necessary to elevate the portion 18 until the opening 20 becomes substantially parallel with the rod when the shelf may be moved up or down as may be required. As soon as the hand is removed from the shelf, the latter automatically gravitates into the position seen in Fig. 4 and the shelf is clutched firmly upon the rod.

In practice, the shelf is adjusted to the proper height to accommodate the jug or receptacle 21 so as to bring it into proper position to receive the molasses or other substance delivered from the discharge spout 2, as indicated by dotted lines in Fig. 1, a funnel 22 being employed if desired. When not in use, the shelf may be swung around to one side or the other out of the way, and may be held in such position in the same manner as it is held in position to receive the jug.

If desired I may sometimes form the rod with a polygonal portion, as seen at 23 in Figs. 5 and 6, arranging the same at a point on the rod where the shelf will be disposed to accommodate the jugs or other receptacles of the height most commonly used. By the employment of this polygonal portion the shelf cannot accidentally be swung around while the jug is being filled. Furthermore this construction permits of the shelf being swung around out of the way and then lowered so that its opening 20 engages over the polygonal portion and the shelf thus held in its vertical adjusted position without any

weight thereon. By reason of the member 19 extending at an angle upward from the supporting member of the shelf, I am enabled to make the opening 20 therethrough with its sides parallel and vertical when the member 19 is in a horizontal position and by extending the weight farther from the clutch the biting or clutching points are disposed so as to afford a better grip, and when the member 18 assumes its horizontal position the greater the weight the more secure the grip on the rod.

The invention is applicable to other uses than that herein illustrated.

What I claim as new is:—

1. The combination with the delivery tube of a pump, of a clamp comprising a main portion with a flange at one end, and at the other end formed with a flange, a tubular portion and a terminal flange, and a cooperating member having outwardly extending flanges, means passed through the flanges between the rod and tube for securely clamping said flanges and compressing the tubular portion about a rod, a rod clamped in said tubular portion, and a shelf vertically adjustable on the rod and having an angular portion with opening out of parallelism with the rod.

2. The combination with a tube, of a cylindrical rod clamped thereto and having a polygonal portion between its ends, and a shelf having an upwardly-extending member sleeved upon said rod with its opening out of parallelism with the rod and engageable with the cylindrical portion of the rod to slide the shelf thereon, and with the polygonal portion of the rod to prevent swinging of the shelf on said rod.

Signed by me at North Anson this 5th day of March 1908.

MAHLON P. MOORE.

Witnesses:

AUGUSTINE SIMMONS,
MERTON CRYMBLE.