Nov. 2, 1948. V. C. ROBINSON 2,452,684

PORTABLE HOD STAND

Filed Jan. 14, 1947

Fig. 1

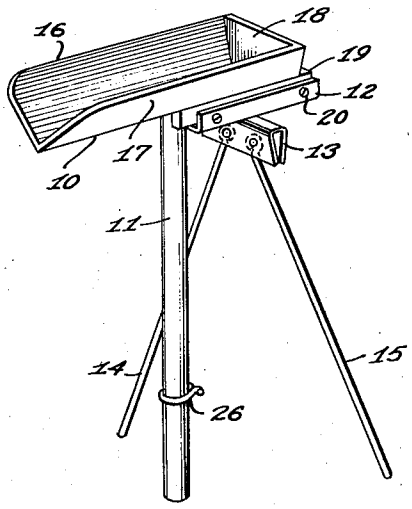


Fig. 2

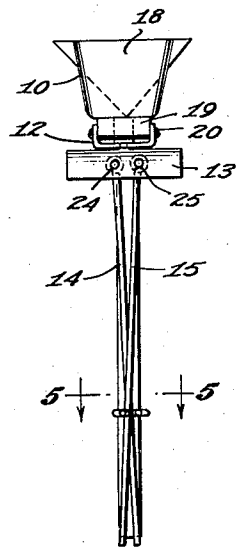
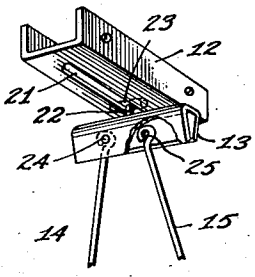


Fig. 3



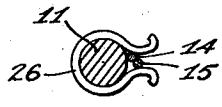
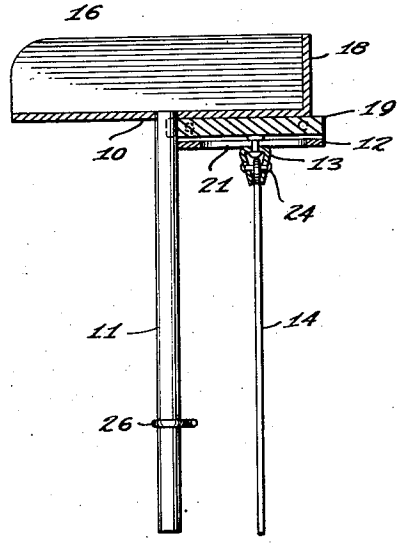


Fig. 5

Fig. 4



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PORTABLE HOD STAND

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4 Claims. (Cl. 72—134)

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This invention relates to hod carriers of the type used for carrying brick and mortar, and in particular includes collapsible legs and means attaching the legs to the hod, wherein they may be carried with the hod and readily set up to form a stand or tripod coacting with the handle of the hod to support the hod in an upright position.

Hod carriers are confronted with the problem of lowering the hod for both loading and unloading, and particularly, in placing mortar, bricks and the like in the hod, the hod must be held in the lowered position so that it will hold the product, and, when used for carrying mortar, it must be held in an upright position. After the hod is loaded, it must be raised or elevated so that it may be placed upon the shoulder of the carrier and then when the carrier arrives at his destination, the hod must still be held in substantially an upright position until the products are removed therefrom.

With this thought in mind, the invention contemplates a hod having folding legs attached thereto wherein the legs may be folded while the hod is being carried and readily opened to support the hod as it is loaded or unloaded.

The purpose of this invention is, therefore, to provide means for supporting a hod in an upright position for loading and unloading, in which the supporting elements may be collapsed to folding position upon the hod for carrying.

A hod as used for brick, mortar and the like is formed with a V-shaped trough having a closed end and a downwardly extending handle positioned substantially mid-way of the length of the trough, and to provide supporting means for holding the hod in an upright position, the supporting elements must include a channel-shaped member in which the hod may be positioned, hinged legs, and a cross-member in which the legs may be hinged and which may be slidably and pivotally attached to the channel-shaped member.

The object of this invention is, therefore, to provide a supporting stand for hods and the like in which the stand is provided with a receiving element in which the hod may be placed and hinged legs pivotally attached thereto that may be folded against the handle of the hod and held thereto by a spring clip for carrying.

Another object of the invention is to provide a supporting element for brick and mortar-carrying hods and the like which may be used in combination with the hod or readily removed therefrom, as may be desired.

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Another object of the invention is to provide a supporting stand for brick and mortar-carrying hods which has folding legs adapted to coact with the handle of the hod to form a tripod in which the folding legs are slidably attached to a hod-supporting element wherein the distance of the upper ends of the folding legs from the point at which the handle is attached to the hod may be adjusted to compensate for varying positions of the center of gravity of the loaded hod.

A further object of the invention is to provide a portable, collapsible stand for brick and mortar hods which is of a simple and economical construction.

With these and other objects in view, the portable hod stand of this invention includes an inverted U-shaped element, supporting legs pivotally mounted in said U-shaped element, a channel to which said U-shaped element is slidably and pivotally connected, a hod having a handle and a saddle on the under surface of the hod portion, and means holding the saddle of the hod in the channel.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings, wherein:

Figure 1 is a view illustrating the stand in the position of supporting a hod.

Figure 2 is a view showing an end elevation of the hod and stand with the legs of the stand collapsed.

Figure 3 is a detail showing the method of connecting the folding legs of the stand to the hod-receiving channel with parts omitted and parts broken away.

Figure 4 is a view showing a section through the hod and supporting stand with the handle of the hod and legs of the stand shown in elevation.

Figure 5 is a cross-section through the handle of the hod and legs of the stand on line 5—5 of Figure 2, showing the spring clip holding the legs in the collapsed or folded position.

Referring now to the drawings, wherein like reference characters indicate corresponding parts, the portable hod stand of this invention includes a hod 10 having a handle 11 and stand elements including a hod-receiving channel 12, an inverted U-shaped cross-bar 13, and legs 14 and 15.

The hod 10 is formed substantially in the shape of a V with sides 16 and 17 and with a flat section at the back closed by an end 18. The hod is mounted upon a block 19 forming a saddle which extends from the handle 11 to the end of the hod,

as shown in Figures 1 and 4, and the saddle is positioned in the channel 12 in which it is held by bolts 20. The lower surface of the channel 12 is provided with a longitudinally extending slot 21 through which a pin 22 on the upper surface of the member 13 extends, as shown in Figure 3. The pin 22 is formed with a cross-member providing a head 23 which forms a T-shaped supporting element slidably and pivotally attaching the channel 12 to the member 13. The member 13 is of inverted U shape in cross-section, and the legs 14 and 15 are pivotally mounted therein on pins 24 and 25. A spring clip 26 with outwardly extending ends is provided on the handle 11 of the hod and the legs 14 and 15 may be held in the clip, as illustrated in Figure 5, when the hod is being carried.

The portable hod stand of this invention, therefore, includes a hod having a handle and legs pivotally and removably attached to the hod adapted to fold against the handle as the hod is being carried, and also adapted to be extended outwardly to coact with the handle to form a tripod for supporting the hod as it is being loaded and unloaded. With the legs 14 and 15 slidably mounted in the channel element 12, the distance from the upper ends of the supporting legs to the handle may readily be adjusted to compensate for varying loads in the hod.

The elements of the stand are illustrated and described in their preferred form, although it will be understood that modifications may be made in the design or arrangement of the parts without departing from the spirit of the invention.

What is claimed is:

1. In a portable hod stand, a hod having an extending handle, a plurality of legs substantially of the same length as the handle of the hod, a channel element secured to the under side of said hod, a mounting element slidably mounted on said channel element, and means pivotally mounting the legs in the mounting element.

2. In a portable hod stand, a hod having an extending handle positioned substantially mid-way of the length thereof, a channel element secured to the under surface of the hod, a supporting element slidably mounted on said channel element, and legs pivotally mounted in said supporting element.

3. In a portable hod stand, the combination, which comprises a hod having a handle extending from a point substantially mid-way of the length thereof, a saddle on the under surface of the hod, a channel element secured to said saddle, a supporting element, means slidably mounting the supporting element to the under surface of the channel element, a plurality of supporting legs, and means pivotally mounting the legs in said supporting element.

4. In a portable hod stand, the combination, which comprises a hod having a handle extending from a point substantially mid-way of the length thereof, a saddle on the under surface of the hod, a channel element secured to said saddle, a supporting element, means slidably mounting the supporting element to the under surface of the channel element, a plurality of supporting legs, means pivotally mounting the legs in said supporting element, and a spring clip on the handle of the hod for holding said supporting legs in folded position.

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