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W. ORT

3,493,152

COMBINATION BUCKET AND BRUSH SUPPORT SHIELD FOR WORKMEN

Filed Nov. 19, 1968

FIG. 1

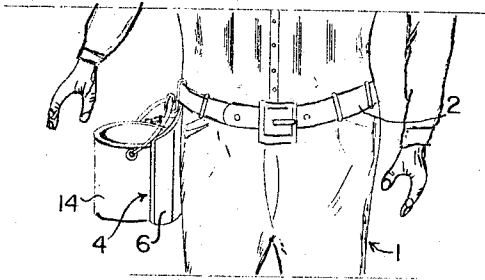


FIG. 2

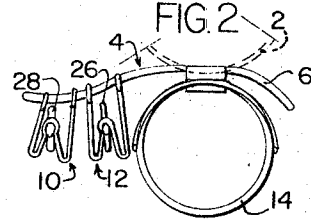


FIG. 6

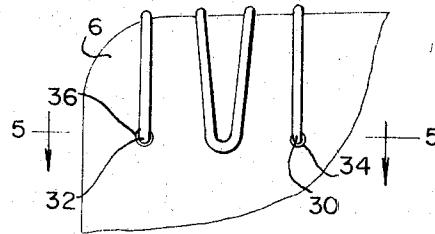


FIG. 5

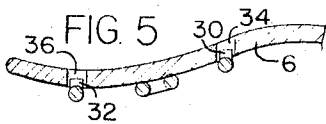


FIG. 3

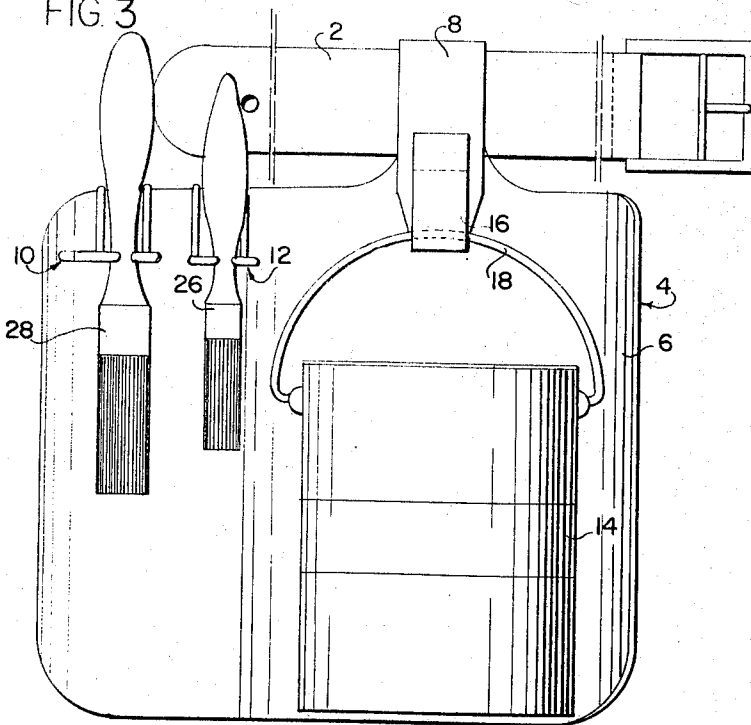


FIG. 4

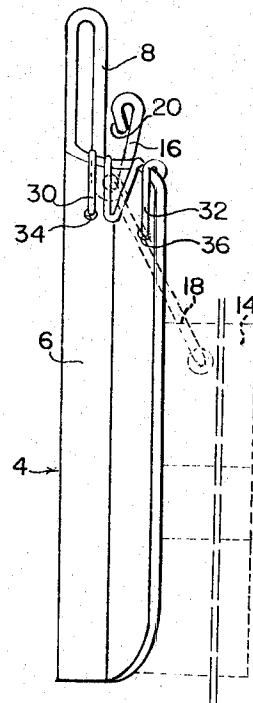
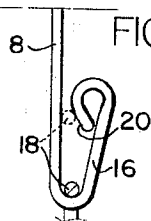


FIG. 7



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COMBINATION BUCKET AND BRUSH SUPPORT
SHIELD FOR WORKMEN

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1 Claim

ABSTRACT OF THE DISCLOSURE

An approximately convex shield to be attached by a hook, to the belt of workmen at the side, to support a bucket of paint, varnish, or other liquid, and to support one or more brushes within easy access to the workman near the hand in which he uses such brush. A provision is made to prevent the bucket from being easily dislodged from the hook which attaches the bucket to the shield.

This invention relates to body shields and more particularly to a shield to be worn on the body of the user, on which shield a bucket containing material, such as paint, varnish, paste or other liquid, may be suspended therefrom by a hook, which material is to be applied by a workman. This shield is so constructed as to shield a wearer from direct contact with the bucket and from the sharp edges thereof and also from the hazard of the material being spilled or splashed from the bucket onto the workman, due to tilting. The shield is so constructed and is so contoured that it is preferably suspended at the side of the workman, from a belt worn by the workman so as to be most convenient to him, that is, if used by a right handed person, it is worn on the right side and if used by a left handed person it is worn on the left side. However, it is preferable that the brush arrangement and contour of the shield for a left handed person be opposite that used by a right handed person.

The usual practice, in supplying paint to a painter, is either by setting the bucket on the shelf of a stepladder, if working above ground level, or to suspend the bucket from a hook, usually on the stepladder or other appendage within reach of the workmen. However, as the painter moves back and forth along a scaffold, a paint bucket in a stationary location cuts down on the efficiency and speed of the painting operation and greatly increases the fatigue of the workman.

The present invention is so constructed that it may be worn at ground level, on a ladder, scaffold or the like, at any elevation, and may be used by the workman while in squatting position or while in standing position, and the shield, with a paint bucket suspended thereon, as well as brushes, is in proper position to give access thereto, to dip paint or the like from the bucket to be applied by the workman. With the shield suspended from a belt and with the bucket suspended by a hook on the shield, the bucket does not tilt to spill the paint, or the like, when the painter moves to a squatting position.

Various body shields have been proposed heretofore, but these, for the most part, were suspended in front of the painter or artisan and usually involved neck straps and belts, as well as a special receptacle in which to place paint or other liquid being used, which necessitated pouring the paint, or the like, from the original container into the special receptacle, which necessitates either having to thoroughly clean the receptacle for subsequent use or to discard the receptacle, which would increase the cost. Furthermore, such arrangements would not give freedom of body movement to the workman, as would a unit attached to the belt and worn on the side of the body.

An object of this invention is to provide a body shield which is adapted to be attached to a belt worn in normal

manner by the workman, which body shield is made of plastic, metal or hard fibrous material, which is substantially impervious to paint, varnish or other liquid being used, and which shield has at least one support hook thereon to support a bucket or the like therefrom, as well as auxiliary supports, such as spring clips, to support one or more brushes or the like, within ready reach of the artisan.

Another object of the invention is to provide a body shield which shield is contoured so the body movements will not cause tilting of the bucket when the shield, with a bucket thereon, is worn on the side of the body.

Still a further object of the invention is to provide a substantially one-piece body shield for attachment to a belt, which shield will protect the body and clothing against paint, varnish or other liquid being splashed thereonto.

Yet another object of the invention is to provide a shield for attachment to the belt of an artisan, which shield has a resilient bucket support hook thereon, which hook has a re-entrant portion which will permit a bucket bail to be readily inserted into the hook or to be readily removed therefrom, but which guards against the bail being accidentally dislodged from the hook.

Still a further object of the invention is to provide resilient brush support clips on a body shield, which will enable a brush to be readily inserted into the clips or to be removed therefrom.

Yet a final object of the invention is to provide a shield from which a bucket may be supported, which shield has clips removably attached thereto, which clips support a brush.

With these objects in mind and other which will become apparent as the description proceeds, reference is to be had to the accompanying drawings in which like reference characters designate like parts on the several views thereof, in which:

FIG. 1 is a fragmentary elevational view of a portion of the body of an artisan, showing a belt, as normally worn, showing the present shield supported by the belt at the side of the artisan, and showing the accessibility thereof to the right hand;

FIG. 2 is a top plan view of the invention, on a slightly enlarged scale, showing a bucket attached thereto and showing clips on the shield to support paint brushes within the clips, a portion of the support belt being shown in dashed outline;

FIG. 3 is an enlarged, front elevational view of the shield, showing the shield supported on a belt and showing a paint bucket supported on the shield, together with paint brushes positioned within resilient clips;

FIG. 4 is a side elevational view of the shield, on the same scale as shown in FIG. 3, with the support belt removed therefrom, the bucket being shown in dashed outline, as supported thereon;

FIG. 5 is a sectional view taken on the line 5—5 of FIG. 6, looking in the direction indicated by the arrows;

FIG. 6 is an enlarged fragmentary elevational view of a portion of the rear side of the shield, showing the manner of removably anchoring the paint brush clips thereto; and

FIG. 7 is an enlarged fragmentary view of the bucket support hook shown apart from the shield, with a bucket bail, in cross section, shown in the lower portion of the hook in the full outline, and in dashed outline near the upper portion of the hook, to bring out the safety feature.

With more detailed reference to the drawings, the numeral 1 designates a workman, such as a painter or the like. A belt 2 is worn in normal position by the workman. A protective shield, designated generally by the numeral 4, is composed of a sheet of material 6, which may be metal, plastic, fiber or the like, which material does

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not readily absorb paint, varnish and other liquid. The shield 6 is contoured, somewhat as indicated in FIG. 2, so as to have an approximately convex surface adjacent the body of the wearer, when a hook 8, on the shield 4, engages belt 2. It is preferable to position the shield, as indicated in FIG. 1, so that the shield will be on the side of the body adjacent the hand which is normally used by the workman. In the case of a left handed man, contours of the shield and the clips for brushes would be reversely positioned with respect to FIG. 2, so as to enable the artisan to have the bucket 14, which is suspended from hook 8, immediately below the hand in which the brush is used, and with the brush clips 10 and 12 arranged to position a brush rearward of a bucket 14. The portion 8 of the hook that engages the belt 2 extends downward and has a re-entrant portion 16 thereof up-turned to receive bail 18 of bucket 14. The hook portion 16 has a re-entrant portion 20 at the top thereof which is in close proximity to the portion 8 of the hook and which will permit the thickness of a bucket bail to pass therethrough due to the resiliency thereof, however, the bucket bail 18 cannot be accidentally removed therefrom, but it can be forced upward therethrough, as indicated in FIG. 7, when it is desired to remove the bail 18 from the hook portion 16.

It is to be noted that the convex contour adjacent the body of the workman permits the freedom of movement of legs without imparting material movement to the shield 4 or to the bucket 14, and that the shield extends rearward of the bucket 14 and has one or more pairs of clips, as indicated at 12 and 10, which clips support brushes 26 and 28 therein. The clips 12 extend over the edge of the shield 6 and have inturned portions 30 and 32 engaging within holes 34 and 36 respectively, so as to removably anchor the wire-like clips to shield 6. It is preferable to have these clips made of material that is sufficiently resilient to permit the brushes 26 and 28 to be passed into the clips 10 and 12, as shown in FIGS. 2 and 3, to be held rigidly therein, and to be sufficiently resilient to enable the inturned portions 30 and 32 to be removed from the respective holes 34 and 36, when it is desired to remove clips 10 and 12.

The clips 10 and 12 may be readily removed and positioned flat on the surface of the shield, when not in use, and the shields nested to occupy the minimum amount of space, during shipment or storage.

Having thus clearly shown and described the invention, what is claimed as new and desired to be secured by Letters Patent is:

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1. A shield for supporting a bucket, which shield is supported from a belt about the waist of a workman, which shield comprises:

(a) a sheet of material of at least the width and length of the bucket to be supported thereon, which sheet of material forms a shield,

(1) said shield being contoured so that the convex curve thereof is adjacent the body of the workman,

(2) the axis of which convex curve lies generally in the same plane as the axis of the bucket to be supported thereby,

(b) a first hook formed on the upper portion of the shield in position to engage the belt of the workman,

(c) a second hook associated with said first hook and being in position to receive the bail of a bucket to support the bucket on said shield, so the workman will be shielded from the contents of the bucket as he applies the contents thereof,

(d) an extension portion on a side of said shield,

(1) said shield extension having perforations formed in the upper portion thereof,

(2) resilient clips detachably secured within said perforations of said shield extension, which clips support brushes and the like,

(3) said resilient clips each having a complementary, inturned portion to engage within said perforations of said extension portion,

(4) each said resilient clip having a portion thereon in close fitting relation with opposite sides of said shield to hold said clips in secure relation with respect thereto.

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