Sept. 7, 1965 W. L. KENNEDY, SR 3,204,276

SHIELDED PAINT ROLLERS

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FIG. 1.

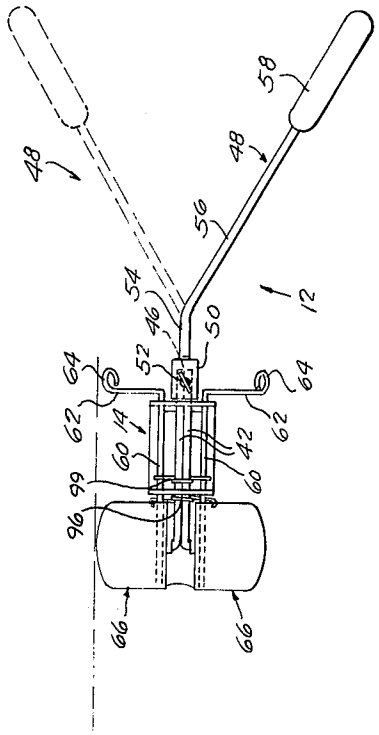


FIG. 2.

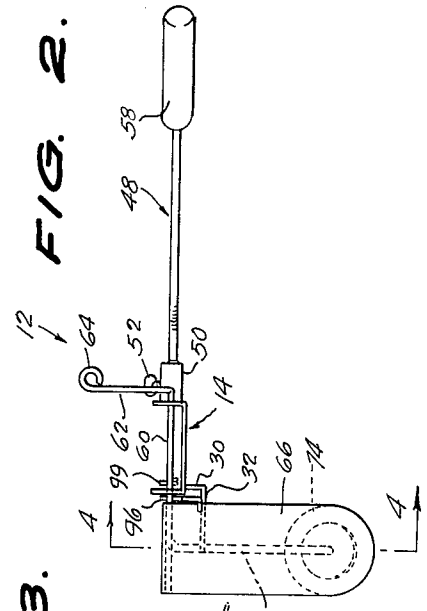


FIG. 4.

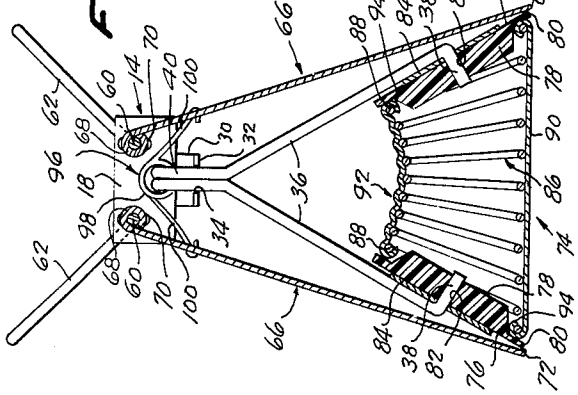
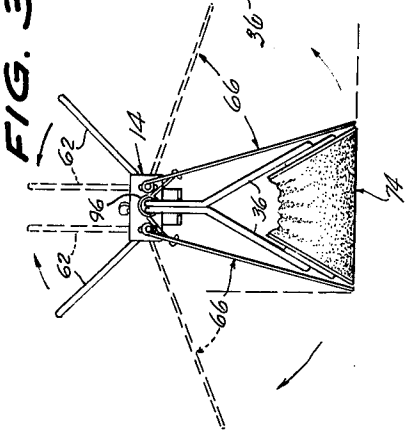


FIG. 3.



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FIG. 5.

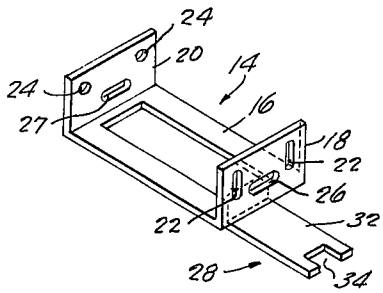


FIG. 8.

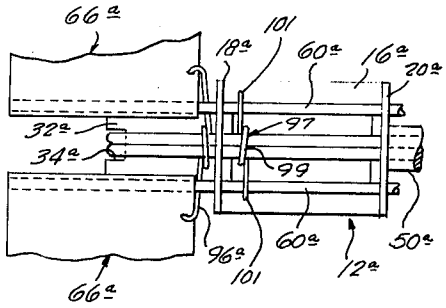


FIG. 6.

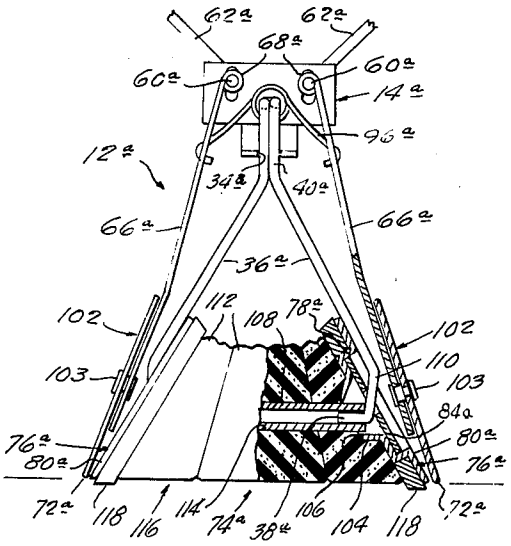
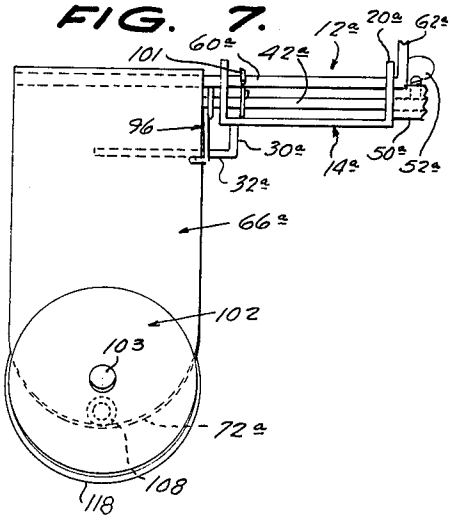


FIG. 7.



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3,204,276

SHIELDED PAINT ROLLERS

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Filed Aug. 16, 1963, Ser. No. 302,618
16 Claims. (Cl. 15—230.11)

This invention relates to novel shielded paint applicator rollers for limiting painted areas, and for edging, as in painting in corners and around woodwork, and the like.

The primary object of the invention is the provision of more efficient, more practical, and more easily used devices of the kind indicated which incorporate divergent guards, at the ends of resilient and compressible rollers, which have free edges adapted to bear against the surface being painted, for accurate definition of limiting edges, and for prevention of transfer of paint from the rollers beyond such edges, the guard plates being hingedly mounted and spring-pressed to their operative positions, and adapted to be spread out of the way when the rollers are applied to paint pans or trays to take up paint therefrom, so that the guard plates avoid taking up paint therefrom.

Another object of the invention is the provision, in guard plates of the character indicated above, of convex arcuate surface-contacting edges, which afford freedom of angling of the devices, relative to surfaces being painted, these arcuate edges being either integral with the guard plates, or in the form of rotating discs journaled on the guard plates.

Other important objects and advantageous features of the invention will be apparent from the following description and the accompanying drawings, wherein, for purposes of illustration only, specific forms of the invention are set forth in detail.

In the drawings:

FIGURE 1 is a top plan view of a device of the present invention;

FIGURE 2 is a side elevation thereof;

FIGURE 3 is a front end elevation thereof, showing the guard plates in operative positions, in full lines, and in retracted positions, in phantom lines;

FIGURE 4 is an enlarged vertical transverse section, taken on the line 4—4 of FIGURE 2;

FIGURE 5 is an enlarged front perspective view of the frame of the device;

FIGURE 6 is a fragmentary front elevation, on the scale of FIGURE 4, partly broken away and in section, of another device of the present invention;

FIGURE 7 is a fragmentary side elevation view thereof;

FIGURE 8 is a fragmentary top plan view thereof.

Referring in detail to the drawings, and first to FIGURES 1 through 5 thereof, the device therein illustrated, and generally designated 12, comprises a frame 14 (see FIGURE 5) which is composed of a longitudinally elongated flat rectangular plate 16, having low profile rectangular upstanding transverse front and rear flanges 18 and 20, on its forward and rear ends. The front flange 18 is formed with vertical slots 22 located near its side edges, the upper ends of the slots 22 being longitudinally aligned with holes 24 in the rear flange 20. On a level with the lower ends of the slots 22, the front flange 18 is formed with a horizontal, transversely elongated slot 26, which is equally spaced from the vertical slots 22, and which is registered with a similar slot 27, in the rear flange 20.

A reclining L-shaped tongue 28 is cut out of the material of the plate 16 of the frame 14 and bent down to position therebelow. The tongue 28 comprises a perpendicular vertical rear portion 30 and a forwardly extending flat horizontal main portion 32, which is parallel spaced from the plate 16, and extends forwardly a substantial distance beyond the front flange 18. The main portion 32 has a centered rectangular notch 34, in its forward end.

The device 12 further comprises a pair of downwardly divergent roller carrier arms 36, which terminate, at their lower ends, in downwardly and laterally inwardly angled pintles 38. At their upper ends, the carrier arms 36 merge into short touching perpendicular portions 40, which are on the forward ends of touching longitudinally elongated horizontal portions 42. The portions 42 are joined, at their rear ends, by an arcuate bight portion 46. This construction enables the formation thereof from a single piece of relatively heavy gauge wire or the like.

The portions 42 are extended rearwardly and engage frictionally through the slots 26 and 27 of the flanges 18 and 20 of the frame 14, and extend rearwardly from the frame, as shown in FIGURE 1. A handle 48 comprises a flat tube 50 which fits removably and closely over the bight portion 46 and the rear ends of the portions 42, and is provided with a wing screw 52, threaded through the top wall of the tube 50, for holding the handle in place. The handle 48 further comprises a rod having a forward portion 54 secured axially to the rear end of the tube 50, which merges, at its rear end, into an elongated straight portion 56, which is disposed at an acute lateral angle to the portion 54, in a horizontal plane. A hand grip 58 is provided on the rear end of the portion 56. The carrier arms 36 are spaced forwardly from the frame 14, and are disposed at right angles thereto, and the portions 40 thereof are seated in the notch 34, in the forward end of the tongue 28.

Shafts 60, longer than the frame 14, extend rotatably through the slots 22 of the front flange 18, and through the holes 24 in the rear flange 20 of the frame 14. The shafts 60 terminate, at their rear ends, in upwardly divergent arms 62, having loops 64, on their upper ends, which serve as finger-pieces.

Similar downwardly divergent roller guide and guard plates 66 are formed, at their upper ends, and at their laterally inward sides, with horizontal longitudinal tubes 68, which receive the parts of the shafts 60 which extend forwardly from the frame 14. The tubes 68 are fixed non-rotatably to the shafts, by any suitable means, such as welding, crimping, etc., as indicated at 70.

The guide and guard plates 66 are of vertically elongated, generally rectangular shape and are provided with convex arcuate lower edges 72, for contacting surfaces to be painted, and for defining limiting edges of painted areas thereon.

A paint roller 74 comprises preferably solid plastic circular roller ends 76, which comprise reduced diameter inwardly tapered circular thick main portions 78 and relatively thin edge portions 80, the ends 76 being formed with axial bores 82 extending therethrough, which rotatably receive the pintles 38 on the lower ends of the carrier arms 36 thus enabling roller rotation. Washers 84, on the pintles are disposed between the outer surfaces of the ends 76 and the arms 36.

The roller 74 further comprises an hour-glass shaped coil spring 86, whose maximum diameter end convolutions 88 surround the main portions 78 of the roller ends 76 and bear against the inward surfaces of the edge portions 80 thereof. The spring 86, being compressed between the roller ends 76, has its upper portion under maximum compression, and the lower portion under minimum compression, as shown in FIGURE 4, whereby the lower portion 90 of a roller sleeve 92, circumposed on the spring 86, is maintained in a substantially flat, stretched condition, at the point of rolling application of paint to a surface.

As shown in FIGURE 4, the roller sleeve **92**, of flexible, resilient, elastic, and absorbent material, for example, sponge rubber, is longer than the spring **86**, and has its ends **94**, engaged over the end convolutions **88** of the spring and held in place between these convolutions and the edge portions **80** of the roller ends.

As shown in FIGURE 4, the free edges **72** of the guide and guard plate **66** normally extend slightly below the lower edges of the paint roller ends **76**, so that full contact of the roller sleeve **92** is not obtained, unless and until downward pressure is exerted on the device, by means of the handle **48**, against the resistance of a spring **96**.

The spring **96**, as shown in FIGURE 4, comprises a loop **98**, circumposed on the portions **42** of the carrier arms **36**, against the forward surface of the front flange **18** of the frame **14**, from which extend laterally outwardly and downwardly, arms **100**, which bear against the outer surfaces of upper parts of the guide and guard plates **66**.

When the paint roller **74** is to take up paint, as from a flat tray or pan, the upper ends of the shaft arms **62** are compressed toward each other, against the resistance of the spring **96**, whereby the guide and guard plates **66** are spaced laterally outwardly and upwardly, as indicated in phantom lines, in FIGURES 3, so that the guide and guard plates avoid taking up paint. Another spring **97**, similar to the spring **96**, has a coil **99** embracing the carrier arm portions **42**, behind the front frame flange **18**, and has arms **101** which overlie the shafts **60**, whereby the shafts **60** are pressed to the lower ends of the slots **22** in the front clamp flange **18**, so that the lower edges **72** of the guide and guard plates **66**, extend below the roller **74**, until pressure is exerted by the handle **48**, against a surface to be painted.

In use and operation, the paint roller **74** having taken up paint, and the guide and guard plates **66** restored to position, by release of the shaft arms **62**, the roller **74** is rolled upon the surface to be painted, with the arcuate lower edges **72** of the guide and guard plates in contact with the surface and defining, along the lower edge of either or both guide and guard plates an arcuate guide line for the paint applied to the surface. The lower edge of one of the plates may be placed in a corner of the surface being painted, as for example, in FIGURE 3, to guide the roller as close as possible to an adjacent upright wall and to aid in preventing streaking of paint on the adjacent wall surface.

The device of the invention illustrated in FIGURES 6 to 8, and generally designated **12***a*, is similar in construction to the device **12** of FIGURES 1 to 5, except for the construction of the guide and guard plates **66***a*, and the paint roller **74***a*.

In the device **12***a*, the guide and guard plates **66***a* are shorter than the guide and guard plates **66**, and are brought to full length by discs **102**, which are journaled on headed rivets **103** which extend through centered lower parts of the plates **66***a*, the discs **102** being positioned at the laterally outward sides of the plates **66***a*, as shown in FIGURES 6 and 7. The lower edges of the discs are spaced below the lower edges **72***a* of the guide and guard plates **66***a*.

As shown in FIGURE 6, the paint roller **74**a has roller ends **76***a*, which are in the form of rigid light-gauge circular members which have flat peripheral edge portions **80***a*, annular pan-shaped main portions **78***a*, which extend inwardly from the inner edges of the edge portions **80***a*. The inner edges of the main portions **78***a* merge into inwardly tapered annular portions **104**, whose openings **106** are substantially larger in diameter than a tubular shaft **108**, on which the portions **104** are loosely circumposed. Washers **84***a* are seated in the pan-shaped portions **78***a*.

Instead of the pintles **38***a* being directly on the lower ends of the carrier arms **36**, as in FIGURES 1 to 5, the pintles **38***a* are coaxial, and are on the lower ends of perpendicular portions **110** of the carrier arms **36***a*. The pintles **38***a* are rotatably engaged in the ends of the tubular shaft **108**, thereby allowing roller rotation.

The paint-bearing component of the roller **74***a*, instead of being composed of a sleeve over a spring, as in FIGURES 1 to 5, is composed of a plurality of relatively thick cylinders **112** of absorbent, resilient, and compressible rubber or plastic foam material, which have axial bores **114** receiving the shaft **108**.

The cylinders **112** are slightly smaller in diameter than the roller ends **76***a*, and conform to the shape thereof, as shown in FIGURE 6. The roller ends **76***a* being in downwardly divergent relationship, the top of the roller body **116**, formed by the cylinders **112** is thereby under maximum compression, while the bottom of the body **116** is under minimum compression. Annular felts **118**, of such absorbent materials as felt, rubber or plastic foam, are larger in diameter than the roller ends **76***a* and are seated around the main portions **78***a* of the ends. The felts **118** are preferably made larger in diameter than the roller ends **76***a* so that they can allow paint from the roller **74***a* to be applied to the lower edges of the guide and guard plate discs. Where a less close painting edge is contemplated, the felts **118** can be of the same diameter as the roller ends **76***a*.

The use and operation of the device **12***a* of FIGURES 6 to 8 is the same as for the device **12** of FIGURES 1 to 5. The lower edge of one of the guide and guard plates may be placed in a corner of a surface being painted to guide the roller as close as possible to an adjacent upright wall and to aid in preventing streaking of paint on the adjacent wall surface. The rotatable discs **102** on the guide and guard plates **66***a* enable paint supplied from the roller **74***a* and felts **118** to be applied in a close painting edge to the surface being painted.

Although there have been shown and described preferred forms of the invention, it is to be understood that the invention is not necessarily confined thereto, and that any change or changes in the structure of and in the relative arrangements of components thereof are contemplated as being within the scope of the invention as defined by the claims appended hereto.

What is claimed is:

1. A paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, and said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and having edge portions and reduced diameter main portions which extend laterally inwardly from the edge portions, said roller comprising a coil spring having end convolutions engaged around the main portions and bearing against the inward surfaces of the edge portions of the roller ends, said spring being compressed between the roller ends, and an absorbent, compressible, and resilient sleeve engaged over the spring, said sleeve having ends securably engaged between the end convolutions of the spring and the edge portions of the roller ends.

2. A paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat said roller ends being circular and comprising edge portions, pan-shaped main portions smaller in diameter than and extending laterally inwardly from the edge

portions, said main portions being annular and having inner edges, and inwardly tapering annular portions on said inner edges, a roller body comprising absorbent, resilient, and compressible cylinders, said cylinders being in aligned relationship, and being compressed between the roller ends.

3. A paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and comprising edge portions, pan-shaped main portions smaller in diameter than and extending laterally inwardly from the edge portions, said main portions being annular and having inner edges, and inwardly tapering annular portions on said inner edges, a roller body comprising absorbent, resilient, and compressible cylinders, said cylinders being in aligned relationship, and being compressed between the roller ends, and annular felts surrounding the main portions of the roller ends and compressed by the edge portions of the roller ends and adjacent cylinders.

4. A paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and having edge portions and reduced diameter main portions which extend laterally inwardly from the edge portions, said roller comprising a coil spring having end convolutions engaged around the main portions and bearing against the inward surfaces of the edge portions of the roller ends, said spring being compressed between the roller ends, and an absorbent, compressible and resilient sleeve engaged over the spring, said sleeve having ends securably engaged between the end convolutions of the spring and the edge portions of the roller ends, said roller ends having axial bores extending therethrough, said mounting means comprising vertical downwardly divergent carrier arms having pintles on their lower ends rotatably engaged through the bores of the roller ends.

5. A paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and having edge portions and reduced diameter main portions which extend laterally inwardly from the edge portions, said roller comprising a coil spring having end convolutions engaged around the main portions and bearing against the inward surfaces of the edge portions of the roller ends, said spring being compressed between the roller ends, and an absorbent, compressible, and resilient sleeve engaged over the spring, said sleeve having ends securably engaged between the end convolutions of the spring and the edge portions of the roller ends, said roller ends having axial bores extending therethrough, said mounting means comprising vertical downwardly divergent carrier arms having pintles on their lower ends rotatably engaged through the bores of the roller ends, said carrier arms having touching upper portions and rearwardly extending horizontal portions, a frame having a horizontal portion and lateral front and rear flanges adjacent the ends thereof, said flanges having aligned horizontal slots through which the horizontal portions are engaged, and a rearwardly extending handle secured to the rear ends of the horizontal portions.

6. A shielded paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roler to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and having edge portions and reduced diameter main portions which extend laterally inwardly from the edge portions, said roller comprising a coil spring having end convolutions engaged around the main portions and bearing against the inward surfaces of the edge portions of the roller ends, said spring being compressed between the roller ends, and an absorbent, compressible, and resilient sleeve engaged over the spring, said sleeve having ends securably engaged between the end convolutions of the spring and the edge portions of the roller ends, said roller ends having axial bores extending therethrough, said mounting means comprising vertical downwardly divergent carrier arms having pintles on their lower ends rotatably engaged through the bores of the roller ends, said carrier arms having touching upper portions and rearwardly extending horizontal portions, a frame having a horizontal portion and lateral front and rear flanges adjacent the ends thereof, said flanges having aligned horizontal slots through which the horizontal portions are engaged, and a rearwardly extending handle secured to the rear ends of the horizontal portions, horizontal shafts journaled through the frame flanges at opposite sides of the horizontal portions, upwardly divergent arms on the rear ends of the shafts, and downwardly divergent guard plates fixed at their upper ends to the shafts in front of the frame, said guard plates having lower portions at the axially outward sides of the roller ends, said guard plates having convex arcuate surface contacting lower ends, spring means urging the guard plates downwardly and inwarly toward each other, and further spring means embracing said horizontal portions and having arms bearing upon the shafts and yieldably urging the guard plates downwardly to put their lower edges below the bottom of the roller.

7. A shielded paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible, and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and having edge portions and reduced diameter main portions which extend laterally inwardly from the edge portions, said roller comprising a coil spring having end convolutions engaged around the main portions and bearing against the inward surfaces of the edge portions of the roller ends, said spring being compressed between the roller ends, and an absorbent, compressible, and resilient sleeve engaged over the spring, said sleeve having ends securably engaged between the end convolutions of the spring and the edge portions of the roller ends, said roller ends having axial bores extending therethrough, said mounting means comprising vertical downwardly divergent carrier arms having pintles on their lower ends rotatably engaged through the bores of the roller ends, said carrier arms having touching upper portions and rearwardly extending horizontal portions, a frame having a horizontal portion and lateral front and rear flanges adjacent the ends thereof, said flanges having aligned horizontal slots through which the horizontal portions are engaged, and a rearwardly extending handle secured to the rear ends of the horizontal portions, horizontal shafts journaled through the frame flanges at opposite sides of the horizontal portions, upwardly di-

vergent arms on the rear ends of the shafts, and downwardly divergent guard plates fixed at their upper ends to the shafts in front of the frame, said guard plates having lower portions at the axially outward sides of the roller ends, said guard plates having convex arcuate surface contacting lower ends, spring means urging the guard plates downwardly and inwardly toward each other, and further spring means embracing said horizontal portions and having arms bearing upon the shafts and yieldably urging the guard plates downwardly to put their lower edges below the bottom of the roller, the surface contacting ends of the guard plates being the lower edges of discs journaled on the lower parts of the guard plates.

8. A shielded paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and having edge portions and reduced diameter main portions which extend laterally inwardly from the edge portions, said roller comprising a coil spring having end convolutions engaged around the main portions and bearing against the inward surfaces of the edge portions of the roller ends, said spring being compressed between the roller ends, and an absorbent, compressible, and resilient sleeve engaged over the spring, said sleeve having ends securably engaged between the end convolutions of the spring and the edge portions of the roller ends, said roller ends having axial bores extending therethrough, said mounting means comprising vertical downwardly divergent carrier arms having pintles on their lower ends rotatably engaged through the bores of the roller ends, said carrier arms having touching upper portions and rearwardly extending horizontal portions, a frame having a horizontal portion and lateral front and rear flanges adjacent the ends thereof, said flanges having aligned horizontal slots through which the horizontal portions are engaged, and a rearwardly extending handle secured to the rear ends of the horizontal portions, horizontal shafts journaled through the frame flanges at opposite sides of the horizontal portions, upwardly divergent arms on the rear ends of the shafts, and downwardly divergent guard plates fixed at their upper ends to the shafts in front of the frame, said guard plates having lower portions at the axially outward sides of the roller ends, said guard plates having convex arcuate surface contacting lower ends, spring means urging the guard plates downwardly and inwardly toward each other, and further spring means embracing said horizontal portions and having arms bearing upon the shafts and yieldably urging the guard plates downwardly to put their lower edges below the bottom of the roller, the surface contacting ends of the guard plates being the lower edges of discs journaled on the lower parts of the guard plates and located at the laterally outward sides of the guard plates.

9. A paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and comprising edge portions, pan-shaped main portions smaller in diameter than and extending laterally inwardly from the edge portions, said main portions being annular and having inner edges, and inwardly tapering annular portions on said inner edges, a roller body comprising absorbent, resilient, and compressible cylinders, said cylinders being in aligned relationship, and being compressed between the roller ends, and annular felts surrounding the main portions of the roller ends and compressed by the edge portions of the roller ends and adjacent cylinders, said roller ends having axial bores extending therethrough, said mounting means comprising vertical downwardly divergent carrier arms having pintles on their lower ends rotatably engaged through the bores of the roller ends, said carrier arms having touching upper portions and rearwardly extending horizontal portions, a frame having a horizontal portion and lateral front and rear flanges adjacent the ends thereof, said flanges having aligned horizontal slots through which the horizontal portions are engaged, and a rearwardly extending handle secured to the rear ends of the horizontal portions.

10. A shielded paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and comprising edge portions, pan-shaped main portions smaller in diameter than and extending laterally inwardly from the edge portions, said main portions being annular and having inner edges, and inwardly tapering annular portions on said inner edges, a roller body comprising absorbent, resilient, and compressible cylinders, said cylinders being in aligned relationship and being compressed between the roller ends, and annular felts surrounding the main portions of the roller ends and compressed by the edge portions of the roller ends and adjacent cylinders, said roller ends having axial bores extending therethrough, said mounting means comprising vertical downwardly divergent carrier arms having pintles on their lower ends rotatably engaged through the bores of the roller ends, said carrier arms having touching upper portions and rearwardly extending horizontal portions, a frame having a horizontal portion and lateral front and rear flanges adjacent the ends thereof, said flanges having aligned horizontal slots through which the horizontal portions are engaged, and a rearwardly extending handle secured to the rear ends of the horizontal portions, horizontal shafts journaled through the frame flanges at opposite sides of the horizontal portions, upwardly divergent arms on the rear ends of the shafts, and downwardly divergent guard plates fixed at their upper ends to the shafts in front of the frame, said guard plates having lower portions at the axially outward sides of the roller ends, said guard plates having convex arcuate surface contacting lower ends, spring means urging the guard plates downwardly and inwardly toward each other, and further spring means embracing said horizontal portions and having arms bearing upon the shafts and yieldably urging the guard plates downwardly to put their lower edges below the bottom of the roller.

11. A shielded paint roller assembly comprising a roller, means rotatably mounting said roller, said roller being resilient and compressible and having rigid ends, said mounting means subjecting the roller to endwise compression and holding the roller ends in downwardly divergent relation to each other whereby the top of the roller is under maximum compression and the bottom of the roller is under minimum compression and is substantially flat, said roller ends being circular and comprising edge portions, pan-shaped main portions smaller in diameter than and extending laterally inwardly from the edge portions, said main portions being annular and having inner edges, and inwardly tapering annular portions on said inner edges, a roller body comprising absorbent, resilient, and compressible cylinders, said cylinders being in aligned relationship, and being compressed between the roller ends, and annular felts surrounding the main portions of the roller ends and compressed by the edge portions of the roller ends and adjacent cy

inders, said roller ends having axial bores extending therethrough, said mounting means comprising vertical downwardly divergent carrier arms having pintles on their lower ends rotatably engaged through the bores of the roller ends, said carrier arms having touching upper portions and rearwardly extending horizontal portions, a frame having a horizontal portion and lateral front and rear flanges adjacent the ends thereof, said flanges having aligned horizontal slots through which the horizontal portions are engaged, and a rearwardly extending handle secured to the rear ends of the horizontal portions, horizontal shafts journaled through the frame flanges at opposite sides of the horizontal portions, upwardly divergent arms on the rear ends of the shafts, and downwardly divergent guard plates fixed at their upper ends to the shafts in front of the frame, said guard plates having lower portions at the axially outward sides of the roller ends, said guard plates having convex arcuate surface contacting lower ends, spring means urging the guard plates downwardly and inwardly toward each other, and further spring means embracing said horizontal portions and having arms bearing upon the shafts and yieldably urging the guard plates downwardly to put their lower edges below the bottom of the roller, the surface contacting ends of the guard plates being the lower edges of discs journaled on the lower parts of the guard plates.

12. A paint roller assembly comprising a frame, a pair of downwardly divergent carrier arms fixed to the frame, horizontal shafts journaled through the frame at opposite sides of the carrier arms, pendant downwardly divergent guard plates fixed to the shafts, said shafts having thereon upwardly divergent arms, spring means adapted to urge the guard plates downwardly and inwardly toward each other, said upwardly divergent arms being adapted to be compressed toward each other for spreading the guard plates upwardly and away from each other, said carrier arms having pintles on their lower ends, and a paint roller having rigid ends formed with axial bores rotatably receiving the pintles.

13. A paint roller assembly comprising a frame, a pair of downwardly divergent carrier arms fixed to the frame, horizontal shafts journaled through the frame at opposite sides of the carrier arms, pendant downwardly divergent guard plates fixed to the shafts, said shafts having thereon upwardly divergent arms, spring means adapted to urge the guard plates downwardly and inwardly toward each other, said upwardly divergent arms being adapted to be compressed toward each other for spreading the guard plates upwardly and away from each other, said carrier arms having pintles on their lower ends, and a paint roller having rigid ends formed with axial bores rotatably receiving the pintles, the paint roller being resilient and compressible and being under endwise compression between the carrier arms.

14. A paint roller assembly comprising a frame, a pair of downwardly divergent carrier arms fixed to the frame, horizontal shafts journaled through the frame at opposite sides of the carrier arms, pendant downwardly divergent guard plates fixed to the shafts, said shafts having thereon upwardly divergent arms, spring means adapted to urge the guard plates downwardly and inwardly toward each other, said upwardly divergent arms being adapted to be compressed toward each other for spreading the guard plates upwardly and away from each other, said carrier arms having pintles on their lower ends, and a paint roller having rigid ends formed with axial bores rotatably receiving the pintles, the paint roller being resilient and compressible and being under endwise compression between the carrier arms, said roller ends being in downwardly divergent relationship to each other, the top of the roller being under maximum compression and the bottom of the roller being substantially flat and under minimum compression.

15. A paint roller assembly comprising a frame, a pair of downwardly divergent carrier arms fixed to the frame, horizontal shafts journaled through the frame at opposite sides of the carrier arms, pendant downwardly divergent guard plates fixed to the shafts, said shafts having thereon upwardly divergent arms, spring means adapted to urge the guard plates downwardly and inwardly toward each other, said upwardly divergent arms being adapted to be compressed toward each other for spreading the guard plates upwardly and away from each other, said carrier arms having pintles on their lower ends, and a paint roller having rigid ends formed with axial bores rotatably receiving the pintles, the paint roller being resilient and compressible and being under endwise compression between the carrier arms, said roller ends being in downwardly divergent relationship to each other, the top of the roller being under maximum compression and the bottom of the roller being substantially flat and under minimum compression, the lower edges of the guard plates being convex and arcuate and concentric with the roller, the bottom of the roller being substantially on a level with the lower ends of the guard plates.

16. A paint roller assembly comprising a frame, a pair of downwardly divergent carrier arms fixed to the frame, horizontal shafts journaled through the frame at opposite sides of the carrier arms, pendant downwardly divergent guard plates fixed to the shafts, said shafts having thereon upwardly divergent arms, spring means adapted to urge the guard plates downwardly and inwardly toward each other, said upwardly divergent arms being adapted to be compressed toward each other for spreading the guard plates upwardly and away from each other, said carrier arms having pintles on their lower ends, and a paint roller having rigid ends formed with axial bores rotatably receiving the pintles, the paint roller being resilient and compressible and being under endwise compression between the carrier arms, said roller ends being in downwardly divergent relationship to each other, the top of the roller being under maximum compression and the bottom of the roller being substantially flat and under minimum compression, the lower edges of the guard plates being convex and arcuate and concentric with the roller, the bottom of the roller being initially spaced above the lower edges of the guard plates, and spring means urging the guard plates together downwardly with respect to the frame, whereby the lower edges of the guard plates are normally below the level of the bottom of the roller.

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