July 8, 1958 K. V. O'NEILL 2,842,093

SPRAY DEVICE AND AN ADAPTABLE AND FLEXIBLE SPRAY GUN ATTACHMENT WHICH IS A COMPONENT THEREOF

Filed Nov. 8, 1955 3 Sheets-Sheet 1

Fig. 1

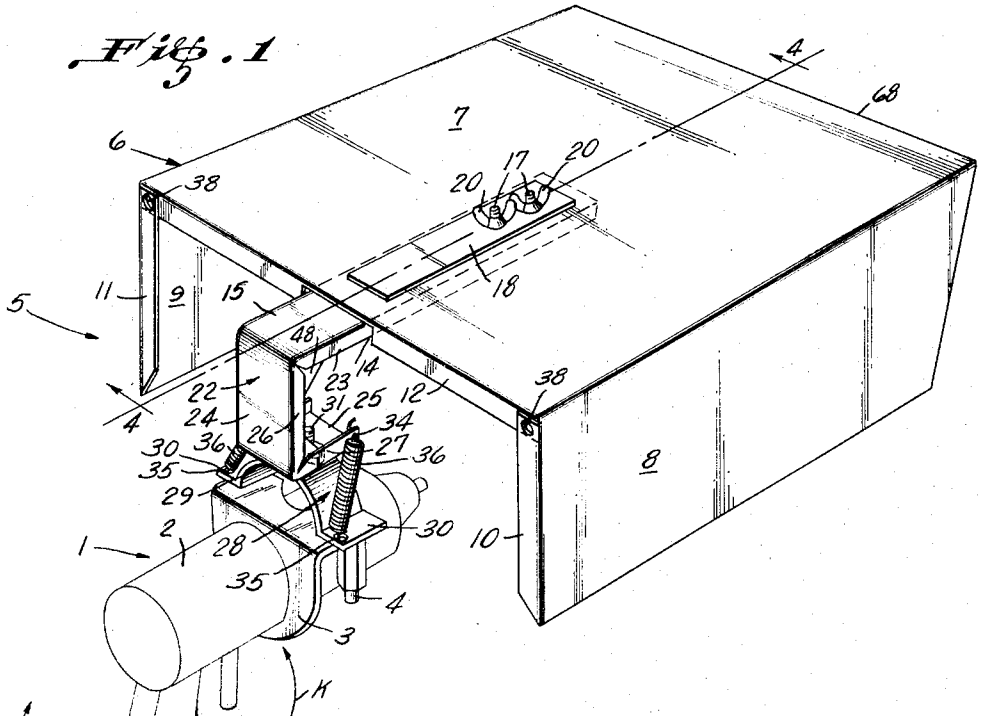


Fig. 2

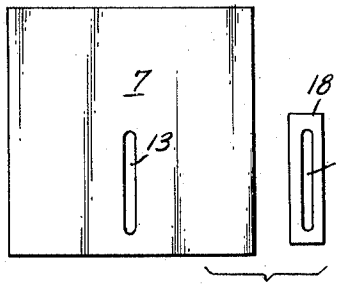


Fig. 3

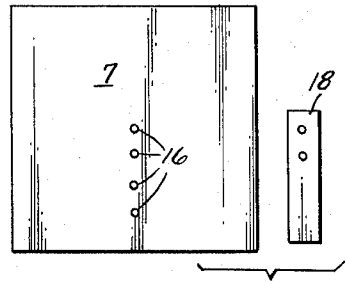
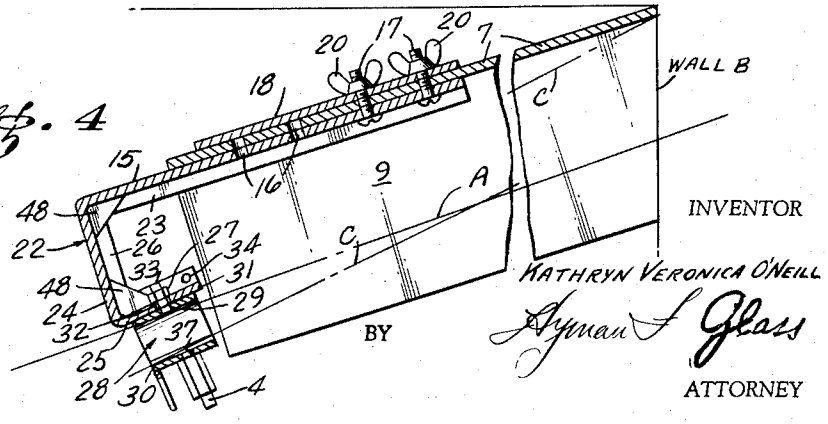


Fig. 4



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SPRAY DEVICE AND AN ADAPTABLE AND FLEXIBLE SPRAY GUN ATTACHMENT WHICH IS A COMPONENT THEREOF

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Fig. 5

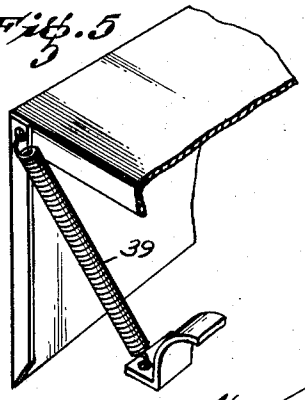


Fig. 6

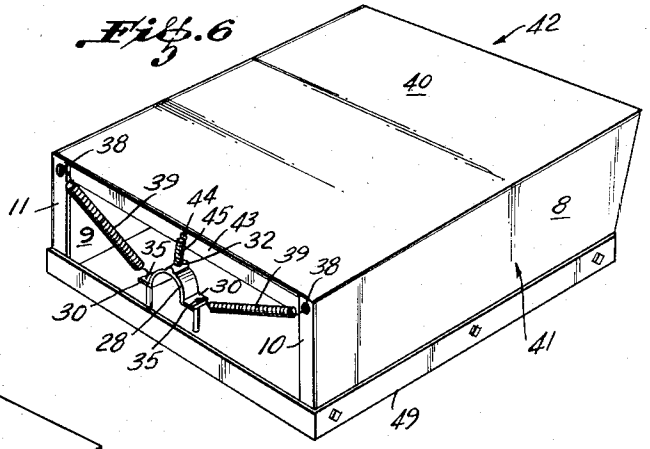


Fig. 8

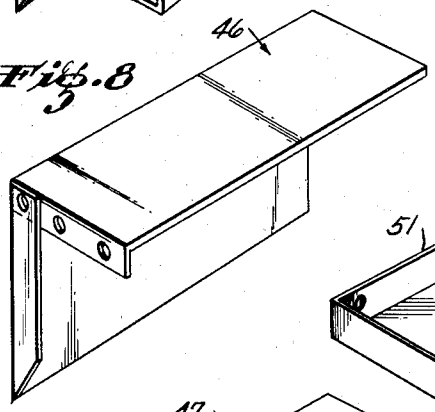
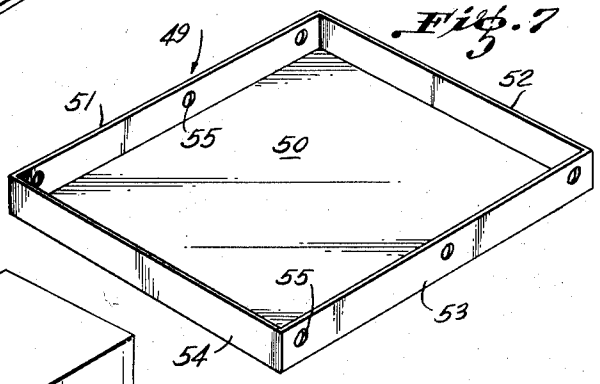


Fig. 7



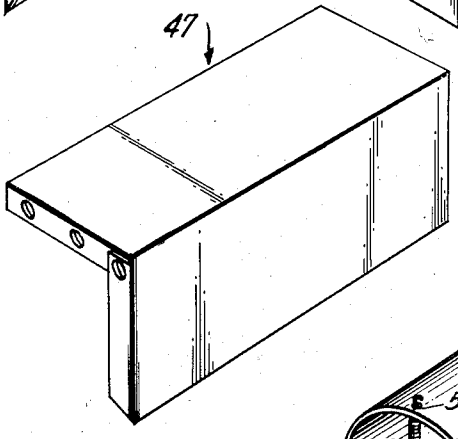


Fig. 9

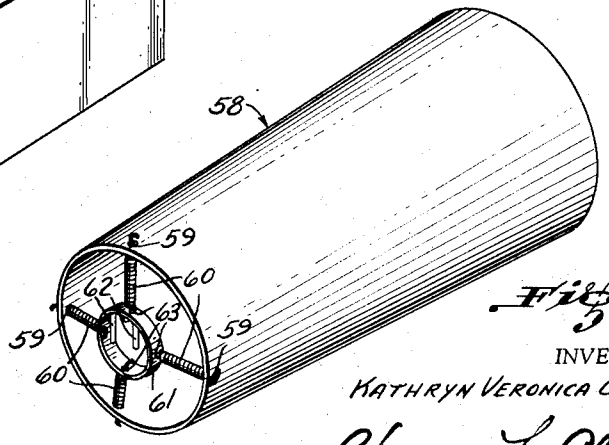


Fig. 10

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Fig. 14

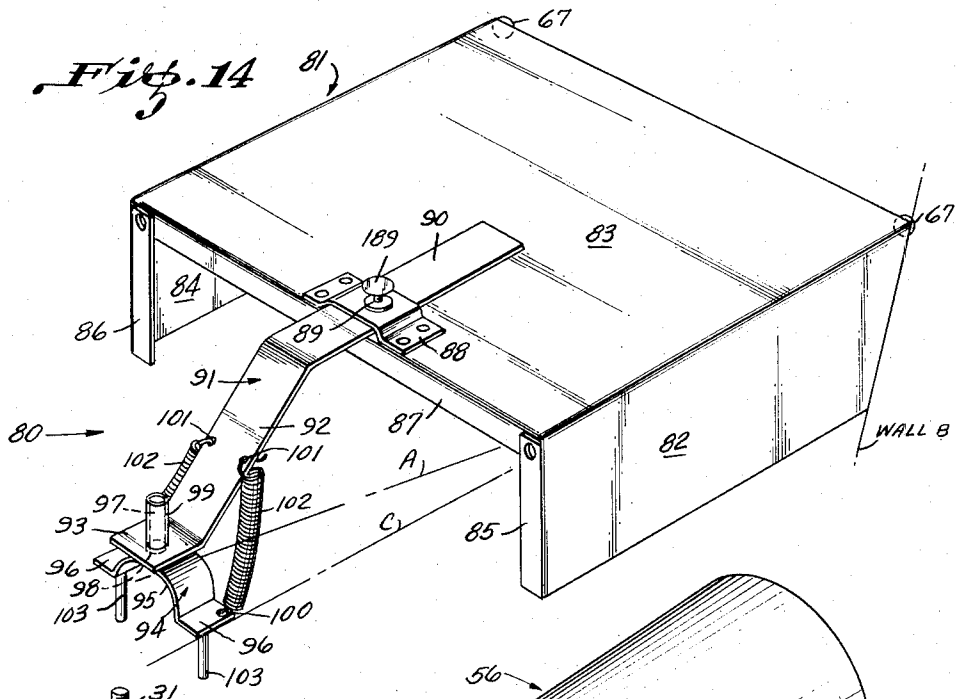


Fig. 13

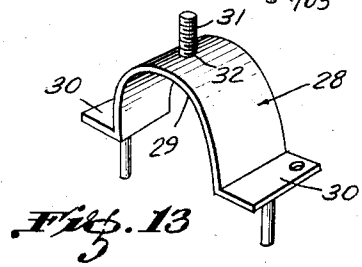
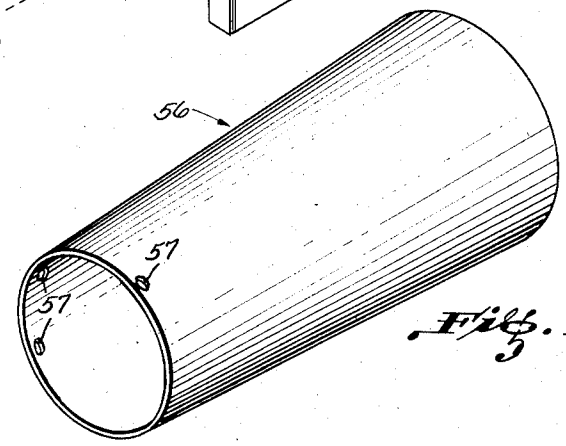


Fig. 11



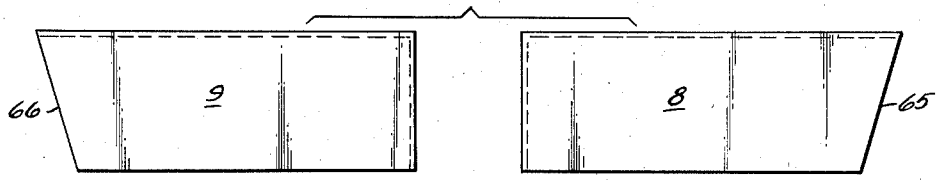
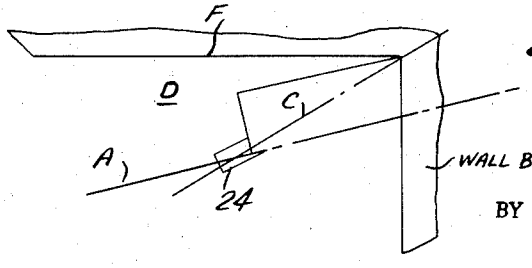


Fig. 12



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United States Patent Office 2,842,093 Patented July 8, 1958

2,842,093

SPRAY DEVICE AND AN ADAPTABLE AND FLEXIBLE SPRAY GUN ATTACHMENT WHICH IS A COMPONENT THEREOF

Kathryn Veronica O'Neill, Philadelphia, Pa.

Application November 8, 1955, Serial No. 545,678

12 Claims. (Cl. 118—301)

This application discloses and claims subject matter disclosed in my prior copending application Serial No. 488,175, filed on February 9, 1955, and entitled Adaptable Paint Spray Shield, which has now become abandoned and also discloses subject matter in addition thereto and is a continuation-in-part of said application.

This invention relates to a flexible spray gun attachment and to a spray device for coating or painting a wall surface comprising, in combination, a spray gun and said flexible spray gun attachment which is removably attached to said spray gun for spraying a predetermined confined surface area of the wall to be coated or sprayed without using masking tape on those wall portions not to be coated or painted and without moving said attachment from its position while that predetermined confined wall surface area is being coated or painted.

Copending with this application is my application Serial No. 545,679, filed on November 8, 1955, entitled, "A Spray Device and a Spray Gun Attachment Which is a Component Thereof," wherein the spray gun is fixed at all times with respect to the shield.

Spray guns have of late found widespread use in the coating or painting of wall surfaces and, in areas in which painting or coating labor costs have been prohibitive, spray painting methods of both inside and outside wall surfaces has replaced the brush painting methods. However, in using spray painting methods it has been necessary to use masking tape and paper to cover those surfaces adjacent to the walls to be spray-coated or spray-painted in view of the fact that the paint spray escapes into the surrounding atmosphere and deposits upon surfaces not desired to be coated or painted. Also, in coating or painting wall surface areas directly adjacent other wall surfaces, including ceiling surfaces, the spray gun operator has found it necessary to mask one wall surface or window frame or door frame, as the case may be, before spray painting the required wall surface area.

Various types of shielding devices have been introduced by other workers in the art for doing away with masking tapes or papers or other selective covering means. However, in each one of these cases, a very serious problem is presented, namely, the spray gun and the shielding device attached thereto must move simultaneously at all times during the spray-painting or coating operation with the result that that portion of the wall surface area to be spray-painted directly adjacent to the wall surface not required to be painted does not receive the paint or coating material as desired and as required. For example, in a situation in which it is desired to coat or paint a wall surface with one colored material and a ceiling surface with another colored material it is impossible, with presently known shielding devices, to get a perfect line of demarcation at the points where the ceiling joins the adjacent wall for the simple reason that, in all presently known spray devices having a shielding means, the spray gun, once either fixedly or removably

attached to the structure including the shielding means, as the case may be, cannot move with respect to the shielding means abutting the wall surface to be coated or painted, and both the shielding means and the gun must be moved simultaneously. In other words, the shielding means of the spray gun attachments, of presently known spray devices are not flexibly mounted with respect to the spray gun and do not have any means in combination therewith for allowing the spray gun to be moved or swung on a single plane and/or on a plurality of planes without the accompanying or simultaneous movement of the shielding means along the wall surface which it abuts. To obtain a perfect line of demarcation, at the points where adjacent walls meet, with presently known spray devices which include shielding means it is necessary to use other and additional masking surface confining means, such as tapes and masking papers or, in some cases, to use complicated and expensive spray devices.

With the spray device and the flexible spray gun attachment, including the shielding means, of my invention, the shielding means or member can be placed against a wall to confine a predetermined surface area of the wall, said area being especially directly adjacent to an adjoining wall and/or ceiling and/or frame portion of a door or window, and the wall surface area confined by said shielding means can be sprayed with coating material in such a manner that all portions of the predetermined confined surface area will be effectively covered by the coating material and a perfect demarcation line will be obtained between the confined surface area and the directly adjoining portion of the directly adjacent wall or surface or frame. The effective coverage of all portions of the predetermined wall surface area of the wall and the simultaneous formation of the said perfect line of demarcation are possible because of the fact that the spray gun attachment shielding means can be held firmly in an abutting relationship with the wall while the spray gun is swung or moved in a single plane and/or in a plurality of planes which are horizontal, vertical, and/or inclined with respect to the wall surface to be covered with coating material. The aforementioned results obtainable for the first time with the structures of my invention do not require any expensive and complicated components for positioning the spray gun with respect to the attachment, including the shielding means.

An object of this invention is to provide a spray gun attachment, including a shielding means, capable of being removably attached to a spray gun for spraying a confined surface area of a wall, said attachment being of such construction and including a combination of component parts that the spray gun attached thereto can be moved or swung in a single plane and/or in a plurality of planes which are horizontal, vertical, and/or inclined with respect to the confined surface area to be spray-coated without using masking tapes or papers to cover the surface areas not to be coated and directly adjacent to said confined area and without moving the shielding means abutting the confined wall surface area to be covered, whereby a perfect line of demarcation can be obtained between the wall surface area being spray-coated and a wall or ceiling or frame directly adjacent thereto at the points at which said wall to be sprayed and said adjacent wall or ceiling or frame meet.

A further object of this invention is to provide a spray device comprising, in combination, a spray gun and a spray gun attachment, including a shielding means, removably attached thereto for spraying a confined surface area of a wall, said attachment being of such construction and including a combination of component parts that the spray gun so attached thereto can be moved or swung in a single plane and/or in a plurality of planes which are

horizontal, vertical, and/or inclined with respect to the confined surface area to be spray-coated without using masking tapes or papers to cover the surface areas not to be coated and directly adjacent to said confined area and without moving the shielding means abutting the confined wall surface area to be covered, whereby a perfect line of demarcation can be obtained between the wall surface area being spray-coated and a wall or ceiling or frame directly adjacent thereto at the points at which said wall to be sprayed and said adjacent wall or ceiling or frame meet.

Other objects and features of my invention will become apparent from the following detailed description.

Figure 1 is a view in perspective of one embodiment of the spray device having in combination the spray gun and the spray gun attachment, including shielding means, removably attached thereto.

Figure 2 is a top plan view of the top wall portion of the shielding means and of the washer plate member of Figure 1.

Figure 3 is a top plan view of another embodiment of the top wall portion of the shielding means and of the washer plate member of Figure 1.

Figure 4 is a sectional view taken on line 4—4 of Figure 1.

Figure 5 is a fragmentary perspective view of another embodiment of the spray gun attachment including shielding means, adapted to be removably attached to a spray gun.

Figure 6 is a view in perspective of another embodiment of the spray gun attachment, including shielding means, adapted to be removably attached to a spray gun, and a drip pan attached thereto.

Figure 7 is a view in perspective of a drip pan adapted to be attached to the side walls of the spray gun attachments of Figures 1 and 6.

Figure 8 is a view in perspective of another embodiment of a shielding means for use in the spray gun attachment.

Figure 9 is a view in perspective of still another embodiment of a shielding means for use in the spray gun attachment.

Figure 10 is a view in perspective of another embodiment of the spray gun attachment, including shielding means, adapted to be removably attached to a spray gun.

Figure 11 is a view in perspective of still another embodiment of the spray gun attachment, including shielding means, adapted to be removably attached to a spray gun.

Figure 12 is a side plan view of wall 8 and wall 9 of Figure 1.

Figure 13 is a fragmentary perspective view of a portion of the device of Figures 1 and 4.

Figure 14 is a view in perspective of another embodiment of the spray gun attachment, including shielding means, adapted to be removably attached to a spray gun.

Like numerals designate similar component parts.

More specifically, there is provided a spray gun 1 having attached at the barrel 2 thereof a clamping member 3 for receiving prongs 4, 4 of the spray gun attachment including a shielding member. The clamping member 3 can be of any configuration depending upon the type of spray gun utilized, and the shapes of said member 3 and the spray gun and its barrel are merely shown here for purposes of illustration, and said specific configurations form no part of my invention. The spray gun attachment of each embodiment here described comprises tension spring members for positioning the attaching means of the respective spray gun attachment and the spray gun and for enabling the operator to move or swing the spray gun in one plane and/or a plurality of planes, as the case may be, without having to move the shielding means abutting the wall.

Referring now to the embodiment of Figures 1 and 4, the spray gun attachment 5 comprises a shielding member 6 having wall members 7, 8, and 9. Wall members 8 and 9 are substantially parallel to each other and substantially perpendicular to wall member 7, as shown. Wall members 8 and 9 have flange portions 10 and 11, respectively, as shown, and wall 7 has flange portion 12, as shown, which has a rectangular cutout 14 to receive the sliding member 15. Wall member 7 has a slot 13 therethrough as shown clearly in Figure 2, and fixedly attached to the sliding member 15 are lugs 17, 17, as shown in Figures 1 and 4. Positioned on the top wall 7 is washer plate member 18 which has therethrough a slot 19. Wing nuts 20, 20 threadedly engage the threaded studs 17, 17, as shown, said studs passing through the slot 13 of wall 7 and the slot 19 of washer member 18 to fixedly hold the sliding member in a predetermined position with respect to wall 7, as shown. The slots 13 and 19 of the wall 7 and the washer plate member 18, respectively, can be replaced by the holes 16, 16, 16, 16 and the holes 21, 21, 21, 21, respectively, as shown clearly in Figure 3. Sliding member 15 has integral therewith flanges 23, 23, as shown. Connected to sliding member 15, and preferably integral therewith, as shown, is bracket support member 22 comprising a portion 24 substantially perpendicular to member 15. Connected to member 24, and preferably integral therewith, is member 25 which forms an angle, as shown, with a plane A which is inclined with respect to wall B. Flange portions 26, 26 are connected to member 22 as shown, and flange portions 27, 27 are connected to member 25, as shown. Movably attached to member 25 is a connecting member 28 which comprises a semicircular portion 29 and flange members 30, 30, as shown. The member 28 is loosely connected to the member 25 by means of a bolt 31 which passes through the hole 32 in the topmost portion of portion 29 of member 28 and which is held loosely positioned by means of a nut 33. In flange members 27, 27 are grommeted holes 34, 34, and in flange members 30, 30 are holes 35, 35, as shown. Tension springs 36, 36 are each positioned at the respective connecting ends in said holes 34 and 35, as shown, and each one of said springs 36, 36 exerts a pulling action against the respective members connected thereby positioning said members and the spray gun attached thereto. The prong members 4, 4 are removably squeeze fitted into holes 37 of clamping member 3 which is fitted over the barrel of the spray gun.

In flange members 10 and 11 integral with walls 8 and 9, respectively, of the shielding member 6 are grommeted holes 38, 38 to receive the ends of tension springs 39, 39, as shown in Figure 5, which illustrates another embodiment of my invention. Instead of tension spring members 36, 36 being positioned between member 25, at the flanges 27, 27 thereof, and flanges 30, 30, tension spring members 39, 39 can be positioned with their connecting ends being attached to the shielding member at holes 38, 38, as shown in Figure 5. In this embodiment also, each of the tension springs 39, 39 exerts a pulling action against the respective members connected thereby positioning said members and the spray gun attached thereto.

As is clearly shown in Figures 1 and 4, the flange members 30, 30 are parallel to the member 25 and are on a plane C extending from the points at which the prongs 4, 4 are attached thereto to the uppermost points of said wall 7 at which points wall 7 abuts the surface of wall B to be coated. The inclusion of the sliding member 15 in my device makes it possible to use my spray gun attachment for any type of spray gun since the member 15 can be so positioned that the nozzle of any type of spray gun will always be on such plane and will be pointed substantially at a point at which the uppermost portion of the shielding member wall abuts the wall surface to be coated. Also used here are bracing members 48 welded to the flanges 23, 26, and 27, as shown in Figures 1 and 4.

The embodiment of Figure 6 is to the spray gun attachment 42 comprising shielding member 41 having walls 40, 8, and 9, walls 8 and 9 having flange members 10 and 11, respectively, and wall 40 having flange member 43, each of said flange members being substantially perpendicular to its respective wall. Here, the top wall 40 has the flange 43 integral therewith, said member 43 having in the approximate central portion thereof the grommeted hole 44. As in the embodiment of Figure 1, grommeted holes 38, 38 are positioned in flange members 10 and 11 and the semi-circular connecting member 28 has associated therewith the flange members 30, 30 having therethrough the holes 35, 35. Tension springs 39, 39 are positioned as shown and connected at their end connecting portions to the flanges 10 and 11 of their respective walls 8 and 9. Also, tension spring 45 is connected at its connecting ends to member 28, at hole 32 thereof, and to flange 43 of wall 40, at hole 44 thereof. Here, as in the previous embodiments, each of the tension springs 39, 39 and 45 exerts a pulling action against the respective members connected thereby positioning said members and the spray gun attached thereto.

In Figures 8, 9, and 11 are illustrated shielding members 46, 47, and 56. Members 46 and 47 can be used in place of the shielding members 6 and 41, as shown in Figures 1 and 6, respectively. The walls of the said shielding members 46 and 47 are each substantially perpendicular to the other. The shielding member 46 is referred to as a "left-hand" shield, and the shielding member 47 is referred to as a "right-hand" shield. Shielding member 56 is open-ended and can be used in place of shielding member 41 of Figure 6 and has the shape of a frustrum of a right circular cone. The holes 57 are positioned in the wall and therethrough for receiving the ends of tension springs 39, 39, and 45.

Figure 7 illustrates a drip pan 49 which can be attached to either of the shielding members 6 and 41, by means of ordinary attaching bolts and nuts as shown in Figure 6. The drip pan comprises a flat portion 50 having integral therewith and substantially perpendicular thereto the flange members 51, 52, 53, and 54, as shown. Flange members have therethrough a plurality of holes each designated by the numeral 55 whereby bolt joining means 56 can be passed therethrough and through holes formed in walls 8 and 9 to attach the said pan 49 to the respective shielding means 41 and 6 of the embodiments of Figures 1 and 6, respectively.

Figure 10 illustrates another embodiment of my invention. Here is illustrated a spray gun attachment comprising an open-ended shielding member 58 having the configuration of a frustrum of a right circular cone having holes 59 passing through the wall thereof. Suspended by means of tension spring 60, 60, 60, 60 in the central portion of the opening at the top of the frustrum is the ring member 61 having prongs 62, 62 attached thereto and depending therefrom. The said tension spring members are connected to the ring at holes 63 therethrough and to the wall of the shielding member at the holes 59 therethrough.

Figure 12 illustrates the walls 8 and 9 of shielding members 6 and 41 of the embodiments of Figures 1 and 6, respectively. Here are illustrated the edges 65 and 66 of walls 8 and 9, respectively and the position of wall 8 when abutting the wall surface to be coated. It is to be particularly noted that the entire spray device including the spray gun and the spray gun attachment will be at an incline with respect to the wall to be coated during the coating of the wall surface area of wall B confined by the shield member of the device.

Also, to enable the operator to move the shielding members 6 and 41 more freely ball bearing members 67 can be mounted at the corners of walls 8 and 9 abutting the wall surface, as shown in Figure 1.

Figure 14 illustrates another embodiment of my invention. Here the spray gun attachment 80 comprises a shielding member 81 having wall members 82, 83, and 84. Wall members 82 and 84 are substantially parallel to each other and substantially perpendicular to wall member 83, as shown. Wall members 82 and 84 have flange portions 85 and 86, as shown, and wall member 83 has flange portion 87, as shown. Wall member 83 has fixedly attached to the top portion thereof and substantially equidistant from wall members 82 and 84 the clamping member 88 having a threaded hole therethrough at the central point of the raised portion and a nut 89 coinciding with said hole and fixedly attached to the raised portion of the clamping member 88 to receive a set screw 189. A sliding member 90 is positioned by extending it through clamping member 88 and tightening set screw 89 against it. Connected to sliding member 90, and preferably integral therewith, as shown, is bracket support member 91 comprising an angularly disposed portion 92. Connected to member 92, and preferably integral therewith, is member 93 which forms an angle, as shown, with a plane A which is inclined with respect to wall B and which falls on a plane parallel to plane C, as shown. Movably attached to member 93 is a connecting member 94 similar to member 28 of the embodiment of Figure 1, which comprises a semi-circular portion 95 and flange members 96, 96, as shown. The member 94 is loosely and movably connected to member 93 by means of a bolt or stud 97 which passes through the hole 98 in the topmost portion of portion 95 of connecting member 94 and which is held loosely and movably positioned in hole 98 by means of a bearing member 99 coinciding with hole 98 and fixedly attached to member 93 and substantially perpendicular thereto, as shown. In flange members 96, 96 are holes 100, 100, as shown, and in angularly disposed portion 92 of bracket support member are holes 101, 101, as shown. Tension springs 102, 102 are each positioned at the respective connecting ends in said holes 100 and 101, as shown, and each one of said springs 102, 102 exerts a pulling action against the respective members connected thereby positioning said members and the spray gun attached thereto. The prong members 103, 103 are fixedly attached to the flange members 96, 96 and are substantially perpendicular thereto, as shown, for engagement with the holes or receiving membemrs of a clamping member which is fitted about the barrel of a spray gun to be attached thereto. It is to be particularly noted that the walls 82 and 84 are similar to the walls 8 and 9 of Figure 1.

My spray devices comprising, in combination, the spray gun and spray gun attachment are used in the following manner:

In using the spray device of Figure 1 the sliding member is first positioned in such a manner that the nozzle of the spray gun used is on a plane, here designated as C, meeting the edge 68 at all points thereof, said edge abutting the wall B. The edges 65 and 66 of walls 8 and 9, respectively, of the shielding member 6 are also positioned against the wall, and the operator starts the spraying operation. During the coating operation, the operator swings the spray gun 1 which is attached to the spray gun attachment 5, including the shielding member 6, in the direction of the arrows K, K, and thereby obtains an evenly coated surface area confined by the said shielding member and at the same time obtains a perfect line of demarcation between the walls B and D and the ceiling F. To prevent the coating material from covering the floor surface, the drip pan 49 may be attached, as clearly shown in the appended drawings. In place of the spray gun attachment 6 of Figure 1, the spray gun attachment 41 of Figure 6 can be used, and here the spray gun 1 is capable of being swung or moved in all planes, as desired by the operator, because of the use of the tension spring 45 instead of the sliding member 15 and its associated component parts illustrated

in Figure 1. The shielding members **46** and **47** are utilized in place of members **6** and **41** wherever wall obstructions and/or wall switchboxes present themselves or wherever two walls perpendicular to each other are to be covered with the same colored coating material. The spray gun attachment of Figure 10 including the shielding member **58** and the shield member **56** of Figure 11 are used where arched portions of walls are to be coated. With the structure comprising the ring **61** and the tension springs **60**, **60**, **60**, **60** of Figure 10, the spray gun attached thereto at the prongs **62**, **62** can be swung in all planes by the operator. The spray gun attachment **80** of Figure 14 differs from that of Figure 1 in the bracket support members used. In each case, the bracket members may be bent to compensate for the change in position attained by moving the sliding portion to or from the wall. The bending is done at the points where the respective ends of the sliding member and the bracket support meet.

The spray gun attachments here disclosed are preferably made of aluminum, which, as is well known, can be easily worked, and by aluminum is meant aluminum and its alloys.

From the foregoing subject matter, it is seen that I have provided a spray device and spray gun attachments, each including a shielding means, whereby perfect lines of demarcation can be obtained between adjoining walls at the points at which they meet and at the same time a confined surface area of a wall can be sprayed, thereby preventing the waste of coating material and at the same time obviating the requirement of covering surfaces not to be coated with masking tapes or papers.

Many alterations and changes may be made without departing from the spirit and scope of this invention which is set forth in the appended claims which are to be construed as broadly as possible in view of the prior art.

I claim:

1. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising, in combination, a shielding means for abutting the wall surface to be sprayed and for confining a wall surface area to be sprayed, attaching means for removably attaching said shielding means to a spray gun, said attaching means being operatively connected to said shielding means, and tension spring means operatively associated with said attaching means and said shielding means for positioning said shielding means and said attaching means and spray gun attached thereto, whereby said attaching means and spray gun attached thereto may be moved in at least a plane angular with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface.

2. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising in combination, a shielding means for abutting the wall surface to be sprayed and for confining a surface area of said wall to be sprayed, attaching means for removably attaching said shielding means to a spray gun, said attaching means being operatively connected to said shielding means, at least a portion of said attaching means being positioned on a plane extending from the points at which said attaching means is removably attached to said spray gun to the uppermost point of said shielding means abutting said wall surface to be sprayed, and tension spring means operatively associated with said attaching means and said shielding means for positioning said shielding means and said attaching means and spray gun attached thereto, whereby said attaching means and spray gun attached thereto may be moved on at least said aforementioned plane inclined with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface.

3. A spray device for spraying a confined surface area of a wall, comprising, in combination, a spray gun, a shielding means for abutting the wall surface to be sprayed and for confining a wall surface area to be sprayed, attaching means for removably attaching said shielding means to said spray gun, said attaching means being operatively connected to said shielding means, means removably attached to said spray gun for receiving said attaching means operatively connected to said shielding means, and tension spring means operatively associated with said attaching means and said shielding means for positioning said shielding means and said attaching means and said spray gun attached thereto, whereby said attaching means and said spray gun attached thereto may be moved in at least a plane angular with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface while the spray gun is being moved on said aforementioned plane.

4. A spray device for spraying a confined surface area of a wall, comprising, in combination, a spray gun, a shielding means for abutting the wall surface to be sprayed and for confining a wall surface area to be sprayed, attaching means for removably attaching said shielding means to said spray gun, said attaching means being operatively connected to said shielding means, means removably attached to said spray gun for receiving said attaching means operatively connected to said shielding means, at least a portion of said attaching means being positioned on a plane extending from the points at which said attaching means is received by said means removably attached to said spray gun for receiving said attaching means to the uppermost point of said shielding means abutting said wall surface to be sprayed, and tension spring means operatively associated with said attaching means and said shielding means for positioning said shielding means and said attaching means and said spray gun attached thereto, whereby said attaching means and spray gun attached thereto may be moved on at least said aforementioned plane inclined with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface.

5. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising, in combination, a shielding means for abutting the wall surface to be sprayed and for confining a wall surface area to be sprayed, a bracket support operatively connected to the shield wall, a pronged member operatively connected to said support, whereby a spray gun may be removably attached to said pronged member, and tension spring means operatively connected to said pronged member and said shielding means at the wall thereof for positioning said pronged member and spray gun attached thereto, whereby said pronged member and spray gun attached thereto may be moved in at least a plane inclined with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface.

6. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising in combination, a shielding means for abutting the wall surface area to be sprayed and for confining a wall surface area to be sprayed, a

pronged means for operatively attaching said shielding means to a spray gun, and tension spring means operatively connected to said pronged member and to said shielding means at the wall thereof for positioning said pronged member and spray gun attached thereto, whereby said pronged member and spray gun attached thereto may be moved in at least a plane substantially perpendicular to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface.

7. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising, in combination, a shielding means for abutting the the wall surface area to be sprayed, a member slidably positioned in the wall of said shielding means, means for fixedly attaching said slidable member to said shielding means wall at a predetermined position with respect to said shielding means wall, a bracket support operatively connected to said slidable member, a pronged member operatively connected to said bracket support, whereby a spray gun may be removably attached to said pronged member, and tension spring means operatively connected to said pronged member and to said bracket support for positioning said pronged member and spray gun attached thereto, whereby said pronged member and spray gun attached thereto may be moved toward and away from said wall surface to be sprayed, whereby said pronged member and spray gun attached thereto may be moved in at least a plane inclined with respect to the wall surface to be sprayed, and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface.

8. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising, in combination, a shielding means for abutting the wall surface area to be sprayed, a member slidably positioned on the top surface of the top wall of said shielding means, means for fixedly attaching said slidable member to said top surface of said wall at a predetermined position with respect to said top shielding means wall, a bracket support member operatively connected to said slidable member, said bracket support member being downwardly angularly disposed with respect to said slidable member, a pronged member operatively attached to said bracket support, whereby a spray gun may be removably attached to said pronged member, whereby said pronged member and spray gun attached thereto may be adjusted towards and away from said wall surface to be sprayed, and tension spring means operatively attached to said pronged member and to said bracket support for positioning said pronged member and spray gun attached thereto, whereby said pronged member and spray gun attached thereto may be moved in at least a plane inclined with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface.

9. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising, in combination, a shield adapted to abut the wall surface to be sprayed and to confine a wall surface area to be sprayed, means for removably attaching said shield to a spray gun, said means being operatively connected to said shield, and tension spring means for positioning said means for removably attaching said shield to a spray gun and said spray gun so attached, said spring means being operatively associated with said means for removably attaching said shield to a spray gun, whereby said attaching means and spray gun attached thereto may be moved with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shield while it abuts the wall surface.

10. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising, in combination, a shielding means for abutting the wall surface to be sprayed and for comfining a wall surface area to be sprayed, a bracket support operatively connected to said shielding means, means for removably attaching said bracket support to said spray gun, and tension spring means operatively connected to said latter means and to said bracket support for positioning said latter means and spray gun attached thereto, whereby said latter means and said spray gun attached thereto may be moved with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shielding means abutting the wall surface.

11. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising, in combination, a shield adapted to abut the wall surface area to be sprayed and to confine a wall surface area to be sprayed, means for operatively attaching said shield to a spray gun, and tension spring means operatively connected to said means for positioning said means and spray gun attached thereto, whereby said means and spray gun attached thereto may be moved with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving the shield abutting the wall surface.

12. A spray gun attachment adapted to be removably attached to a spray gun for spraying a confined surface area of a wall, comprising, in combination, means for abutting the wall surface to be sprayed and for confining a wall surface area to be sprayed, said means including a shield member, attaching means for removably attaching said first means to a spray gun, said attaching means being operatively connected to said first means, and spring means operatively associated with said first means and said attaching means for simultaneously positioning said first means and said attaching means and spray gun attached thereto, whereby said attaching means and spray gun attached thereto may be moved with respect to the wall surface to be sprayed and whereby a confined surface area of said wall to be sprayed may be sprayed without using masking tape to mask the wall areas not to be sprayed and without moving said first means, including the shield, abutting the wall surface.

References Cited in the file of this patent

UNITED STATES PATENTS

1,287,181	Barker	Dec. 10, 1918
1,985,482	Chopin et al.	Dec. 25, 1934
2,035,677	Steinke	Mar. 31, 1936
2,119,043	Cornelison	May 31, 1938
2,152,274	Papazian	Mar. 28, 1939
2,424,202	Woolery	July 15, 1947
2,438,471	Ball	Mar. 23, 1948
2,555,826	Tollman	June 5, 1951
2,566,878	Fahrenkrog et al.	Sept. 4, 1951