(19)

United States
(12)

Patent Application Publication Martins
(54) PEGBOARD HOOK, MOUNTING BRACKET AND GRAPHIC STRIP HOLDER
(76) Inventor: Rick Martins, Succasunna, NJ (US)

Correspondence Address:
WALTER J, TENCZA JR.
10 STATION PLACE, SUITE 3
METUCHEN, NJ 08840 (US)
Appl. No.:
11/306,822
Filed:
Jan. 12, 2006
Publication Classification
(51)

Int. Cl.
A47B 96/06
(2006.01)
U.S. Cl. 248/220.41

## ABSTRACT

An apparatus is disclosed including a mounting bracket, one or more pegboard hooks, and a graphic strip holder. The mounting bracket can be inserted into a pegboard. The pegboard hooks can be attached to the mounting bracket. The graphic strip holder can also be attached to the mounting bracket. A plurality of product packages can be held on a hook member of one of the pegboard hooks. The mounting bracket may include a first plate and plurality of protrusions which are parallel to each other and which are attached to the first plate. Each pegboard hook may be comprised of a mounting section and a hook member fixed to the mounting section.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12


## PEGBOARD HOOK, MOUNTING BRACKET AND GRAPHIC STRIP HOLDER

## FIELD OF THE INVENTION

[0001] This invention relates to improved methods and apparatus concerning pegboard hooks.

## BACKGROUND OF THE INVENTION

[0002] The are various apparatus known in the prior art to attaching items to pegboards.

## SUMMARY OF THE INVENTION

[0003] One or more embodiments of the present invention provide an apparatus comprising a mounting bracket, one or more pegboard hooks, and a graphic strip holder. The mounting bracket can be inserted into a pegboard. The pegboard hooks can be attached to the mounting bracket. The graphic strip holder can also be attached to the mounting bracket. A plurality of product packages can be held on a hook member of a pegboard hook.
[0004] The mounting bracket may include may include a first plate and plurality of protrusions which are parallel to each other and which are attached to the first plate. Each pegboard hook may be comprised of a mounting section and a hook member fixed to the mounting section. Each pegboard hook can be attached or detached from the mounting bracket by attaching or detaching the mounting section to the mounting bracket. Each pegboard hook can be attached to the mounting bracket so that the hook member of the particular pegboard hook is substantially perpendicular to the first plate of the mounting bracket.
[0005] Each pegboard hook may be comprised an extension, or scanner arm, which is fixed to the mounting section or wall mount, and which is spaced apart from the particular hook member and substantially parallel to the particular hook member. Each hook member may have a first section which extends upwards and a second section which is connected to the first section, which extends downwards. The extension of the each pegboard hook may have a first section which extends upwards and which is substantially parallel to the first section of the hook member; and a second section which is connected to the first section, which extends downwards, and which is substantially parallel to the second section of the hook member.
[0006] Each extension of each hook member may include a plate which is fixed to each second section of each extension and which is substantially perpendicular to the each second section of each extension.
[0007] The plurality of protrusions of the mounting bracket may be substantially perpendicular to the first plate of the mounting bracket. The mounting bracket may be further comprised of second and third plates which are connected to the first plate. The second plate may be substantially parallel to the first plate. The third plate may be substantially perpendicular to the first and second plates The mounting section of each of the pegboard hooks may include fourth, fifth, and sixth plates which are connected to each hook member, wherein the fourth and sixth plates are substantially parallel to each other and the fifth plate connects the fourth and sixth plates together and is substantially perpendicular to the fourth and sixth plates.
[0008] Each pegboard hook can be attached to the mounting bracket by placing each fifth plate of each mounting section on top of the second plate of the mounting bracket so that the second plate lies between each fourth and sixth plates, and so that each fourth plate is parallel and closely adjacent to the third plate of the mounting bracket.
[0009] Each of the first, second, and third plates of the mounting bracket may have a length and a width, with the length of each of the first, second, and third plates, substantially greater than the width of each of the first second, and third plates. The fourth plate of each pegboard hook may have a first end which is connected to each fifth plate and a second end at which is located a first ridge having a length and a width, with the length of each first ridge substantially greater than the width of each first ridge.
[0010] The third plate of the mounting bracket may be connected to an indented portion having a length and a width, with the length of the indented portion substantially greater than the width of the indented portion.
[0011] The first ridge of each pegboard hook may fit into the indented portion of the mounting bracket, so that the length of each first ridge is substantially parallel to the length of the indented portion when each pegboard hook is attached and so that each fifth plate lies on top of the second plate, the second plate lies between each fourth and sixth plates, and each fourth plate is parallel and closely adjacent to the third plate of the mounting bracket.
[0012] Each sixth plate of each pegboard hook may have a first end which is connected to the fifth plate and a second end at which is located a second ridge having a length and a width, with the length of the second ridge substantially greater than the width of the second ridge. The second plate of the mounting bracket may be connected to a second indented portion having a length and a width, with the length of the second indented portion substantially greater than the width of the second indented portion.
[0013] Each second ridge of each pegboard hook may fit into the second indented portion, so that the length of each second ridge is substantially parallel to the length of the second indented portion when each pegboard hook is attached and so that each fifth plate lies on top of the second plate, the second plate lies between each fourth and sixth plates, and each fourth plate is parallel and closely adjacent to the third plate of the mounting bracket.
[0014] The apparatus may be further comprised of a graphic strip holder including first and second arms connected to a front section, wherein the first and second arms are substantially parallel to each other and the front section is substantially perpendicular to the first and second arms. The first plate of the mounting bracket may have first and second slots, and the graphic strip holder can be attached to the mounting bracket by inserting the first and second arms into the first and second slots of the mounting bracket.
[0015] The apparatus may be further comprised of a visor section attached to the front section of the graphic strip holder in a manner which allows the visor section to pivot with respect to the front section.
[0016] A method is also provided comprising attaching a mounting bracket to a pegboard, and
[0017] attaching one or more pegboard hooks to the mounting bracket. The mounting bracket and pegboard hooks may be as previously described.

## BRIEF DESCRIPTION OF THE DRAWINGS

[0018] FIG. 1 shows a perspective view of a pegboard hook in accordance with an embodiment of the present invention;
[0019] FIG. 2 shows a perspective view of a mounting bracket in accordance with an embodiment of the present invention;
[0020] FIG. 3 shows a perspective view of a graphic strip holder in accordance with an embodiment of the present invention;
[0021] FIG. 4 shows a perspective view of the pegboard hook of FIG. 1 attached to the mounting bracket of FIG. 2;
[0022] FIG. 5 shows a perspective view of the graphic strip holder of FIG. 3 attached to the mounting bracket of FIG. 2;
[0023] FIG. 6 shows a perspective view of the pegboard hook of FIG. 1 and the graphic strip holder of FIG. 3 attached to the mounting bracket of FIG. 2, with the graphic strip holder shown in a first state;
[0024] FIG. 7 shows a perspective view of two pegboard hooks as shown in FIG. 1 and the graphic strip holder of FIG. 3 attached to the mounting bracket of FIG. 2, with the graphic strip holder shown in a first state;
[0025] FIG. 8 shows a perspective view of the pegboard hook of FIG. 1 and the graphic strip holder of FIG. 3 attached to the mounting bracket of FIG. 2 with the graphic strip holder shown in a second state;
[0026] FIG. 9 shows a rear view of the mounting bracket of FIG. 2;
[0027] FIG. 10 shows a front view of the mounting bracket of FIG. 2;
[0028] FIG. 11 shows a cross sectional view of the mounting bracket of FIG. 2; and
[0029] FIG. 12 shows a cross sectional view of the mounting bracket of FIG. 2 along with a cross sectional view of part of the pegboard hook of FIG. 1 shown attached to the mounting bracket.

## DETAILED DESCRIPTION OF THE DRAWINGS

[0030] FIG. 1 shows a perspective view of a pegboard hook $\mathbf{1 0}$ in accordance with an embodiment of the present invention. The pegboard hook 10 includes a mounting or attachment section 20, an extension 40, a section 50, and a hook or member 60.
[0031] The mounting or attachment section 20 includes plates $21 a, 21 b$, and $21 c$, a ridge 22 , plate 23, ridge 24 , ridge 25, plate 26, indented plate 26, curved plate 28, and cylinder 30. Cylinder 30 has a surface 29. Plates $21 b$ and $21 c$ are substantially parallel and are substantially perpendicular to plate 23. Plate $21 a$ is connected and/or integrated with plates $21 b$ and $21 c$, and is at an angle of about forty-five degrees with respect to plates $\mathbf{2 1} b$ and $\mathbf{2 1} c$. Plate 26 is substantially parallel to the plate 23. Ridges 22, 24, and $\mathbf{2 5}$ are substan-
tially parallel. Ridges $\mathbf{2 2}, \mathbf{2 4}$, and $\mathbf{2 5}$ may be substantially solid and substantially cylindrically shaped. Ridge 25 may be substantially larger in diameter than ridge 24. Ridge 24 may be slightly larger in diameter than ridge 22 . Ridges 22 and 24 are substantially the same in length. Ridge 25 is substantially longer than ridges $\mathbf{2 2}$ and 24 . There is a lip 32 under the ridge 25, which is shown in FIG. 12.
[0032] The extension 40 includes members $\mathbf{4 1} a, \mathbf{4 1} b, 41 c$, $\mathbf{4 2} a, \mathbf{4 2} b$, and $\mathbf{4 2} c$. The member $\mathbf{4 1} a$ may be at an angle of about 15 degrees with respect to the member $41 b$. The member $41 b$ may be at an angle of 5 degrees with respect to the member $\mathbf{4 1} c$. The members $\mathbf{4 2} a, \mathbf{4 2} b$, and $\mathbf{4 2} c$, are connected to and/or integrated with, and parallel to the members $41 a, 41 b$, and $41 c$, respectively. Each of the members $41 a-c$ may have a width W1 that is about twice that of the width of each of the members $\mathbf{4 2} a-c$. The members $41 a-c$ and $42 a-c$ may be made of plastic. The members $41 a$ and $42 a$ may be fixed at an end $40 a$ to the surfaces or plates $21 b$ and $21 c$ of the mounting section 20 . The members $41 c$ and $\mathbf{4 2} c$ may be fixed at an end $\mathbf{4 0} b$ to the section $\mathbf{5 0}$.
[0033] The section $\mathbf{5 0}$ may be comprised of a substantially flat plate $\mathbf{5 2}$ and ridges $\mathbf{5 4} a$ and $\mathbf{5 4} b$. The plate $\mathbf{5 2}$ may be substantially parallel to ridges 22, 24, and 25 of the mounting section $\mathbf{2 0}$. The ridges $\mathbf{5 4} a$ and $\mathbf{5 4 b}$ may be substantially parallel to the flat plate 52 and may be connected or integrated with the flat plate $\mathbf{5 2}$. The plate $\mathbf{5 2}$ may have a front surface $\mathbf{5 2} a$ and a rear surface $\mathbf{5 2} b$.
[0034] The hook or member 60 may be comprised of sections 61, 62, 63, 64, 65, and 66. Section 66 has an end $60 a$, which is fixed to the mounting section 20 . The end $\mathbf{6 0} a$ may be inserted into a hollow chamber inside the cylinder 30. The section 66 protrudes outwards from the surface or plate $21 a$ of the mounting section 20 in a direction, which is substantially parallel to the cylinder 30 . The section 65 is connected and/or integrated with section 66, and is at an angle with respect to section 66, gradually curving to become substantially parallel to the member $\mathbf{4 1} a$. Section 64 is connected and/or integrated with section $\mathbf{6 5}$ and is substantially parallel to the member $41 b$. Section 63 is connected and/or integrated with the section 64 and is substantially parallel to the member $\mathbf{4 1} \mathrm{c}$. Section $\mathbf{6 2}$ is connected and/or integrated with the section 63 and begins to curve upwards at the location on the hook $\mathbf{6 0}$ nearest the section 50. Section 61 is connected and/or integrated with the section 62 and curves upwards further so that if the member $41 c$ were extended in a straight line L1, shown in FIG. 1, the section 61 would intersect and cross over the straight line L1. The section 61 ends with tip $\mathbf{6 0} b$.
[0035] FIG. 2 shows a perspective view of a mounting bracket 100 in accordance with an embodiment of the present invention. FIG. 9 shows a rear view of the mounting bracket 100 of FIG. 2. FIG. 10 shows a front view of the mounting bracket $\mathbf{1 0 0}$. FIG. 11 shows a cross sectional view of the mounting bracket 100 of FIG. 2. The mounting bracket $\mathbf{1 0 0}$ includes top section $\mathbf{1 1 0}$, sides $\mathbf{1 3 0}$ and 140, and front section 150. FIG. 11 also shows in dashed lines the locations of sides, edges, or surfaces 143, 146, and 137.
[0036] The top section 110 includes a flat plate 118, and protrusions 111, 112, 113, 114, 115, and 116. The flat plate 118 has notches or slots $119,120,121$, and $\mathbf{1 2 2}$. The notch or slot $\mathbf{1 1 9}$ is larger than the notch or slot $\mathbf{1 2 0}$. The notches 119 and 120 are contiguous and form an integrated gap,
notch or slot. The notch or slot $\mathbf{1 2 1}$ is larger than the notch or slot 122. The notches 121 and 122 are contiguous and form an integrated gap, notch or slot The notches or slots 119 and $\mathbf{1 2 0}$ are located at one end of the flat plate $\mathbf{1 1 8}$ while the notches or slots $\mathbf{1 2 1}$ and $\mathbf{1 2 2}$ are located at an opposite end of the flat plate 118. The flat plate 118 is comprised of a top section $118 a$, and a lower indented section 118 $b$, as shown by FIGS. 9 and 11.
[0037] The protrusions 111, 112, 113, 114, 115, and 116 are comprised of portions $111 a-d, 112 a-d, 113 a-d, 114 a-d$, $115 a-d$, and $116 a-d$, respectively. Each of the portions $111 a$, $112 a, 113 a, 114 a, 115 a$, and $116 a$ is substantially a ridge which is fixed to and which rises above the plate 118. The portions 111a-116 $a$ are substantially flat. The portions 111a, $112 a, 115 a$, and $116 a$ are substantially sized the same. The portions $\mathbf{1 1 3} a$ and $114 a$ are substantially sized the same and are substantially larger than the portions $\mathbf{1 1 1} a, \mathbf{1 1 2} a, \mathbf{1 1 5} a$, and $\mathbf{1 1 6} a$. The portions $\mathbf{1 1 1} b, \mathbf{1 1 2} b, \mathbf{1 1 3} b, \mathbf{1 1 4} b, \mathbf{1 1 5} b$, and $116 b$, protrude outwards substantially perpendicularly from the plate 118. The portions $\mathbf{1 1 1} c, \mathbf{1 1 2} c, \mathbf{1 1 3} c, \mathbf{1 1 4} c, \mathbf{1 1 5} c$, and $116 c$ are fixed substantially perpendicularly to the portions $\mathbf{1 1 1} b, \mathbf{1 1 2} b, \mathbf{1 1 3} b, \mathbf{1 1 4} b, \mathbf{1 1 5} b$, and $\mathbf{1 1 6} b$, respectively. The portions $\mathbf{1 1 1} b, \mathbf{1 1 2} b, \mathbf{1 1 5} b$, and $116 b$ are substantially sized the same. The portions $\mathbf{1 1 3} b$ and $114 b$ are substantially sized the same and are substantially larger than the portions $111 b$, $\mathbf{1 1 2} b, \mathbf{1 1 5} b$, and $\mathbf{1 1 6} b$. The portions $\mathbf{1 1 1} c, \mathbf{1 1 2} c, \mathbf{1 1 5} c$, and $116 c$ are substantially sized the same. The portions $113 c$ and $114 c$ are substantially sized the same and are substantially larger than the portions $\mathbf{1 1 1} c, \mathbf{1 1 2} c, \mathbf{1 1 5} c$, and $\mathbf{1 1 6} c$.
[0038] The protrusions have portions or tips 111d, 112 $d$, $113 d, 114 d, 115 d$, and $116 d$, each of which is adapted to be inserted into a pegboard, typically having a plurality of holes each hole may be about three-sixteenths to one quarter inches in diameter.
[0039] The side $\mathbf{1 3 0}$ has a surface 132, a sloping edge 133, and edges 136 and 137 . Similarly, the side 140 has a surface 142, a sloping edge 143, and flat edges 146 and 147. The edge $\mathbf{1 3 6}$ is comprised of edge $\mathbf{1 3 6} a$ and $\mathbf{1 3 6} b$ shown in FIG. 9. Edge $136 a$ is substantially perpendicular to edge 137. Edge $136 b$ is not substantially perpendicular to edge 137 but rather may be at an angle of sixty-five degrees with respect to edge 137. Similarly edge 146 is comprised of edges $146 a$ and $146 b$. Edge $146 a$ is substantially perpendicular to edge 147. Edge $146 b$ is not substantially perpendicular to edge 147 but rather may be at an angle of sixty-five degrees with respect to edge 147. FIG. 2 also shows an inner surface 144, 145 , and 146 of the side 140 .
[0040] The front section 150 includes a top plate 152 and a front plate $\mathbf{1 5 4}$, which is substantially perpendicular to the top plate 152. A bottom plate 156 runs along the bottom of front plate 154.
[0041] There is a gap, shown in FIG. 2, between the plate 118 and the top plate 152.
[0042] The front plate 154 has a front surface $154 a$ shown in FIG. 2 and a rear surface $154 b$ shown in FIG. 9. A flange 170 is fixed to the rear surface $154 b$ as shown in FIG. 9. FIG. 9 shows a rear edge $152 b$ of the top plate 152. FIG. 9 further shows a gap or slot $\mathbf{1 7 0}$ between the rear edge $\mathbf{1 5 2} b$ of the top plate 152 and a flange 172. FIG. 9 further shows a gap or slot 174 between the flange 172 and a flange 176. FIG. 9 further shows a gap 178 between the flange 176 and a ridge

180 created by a an indented portion 158 and $158 a$ shown in FIG. 10. The flanges 172, 176 are fixed to the rear surface $154 b$ of the front plate 154. The indented portion 158 is fixed at the bottom of the front surface $154 a$ of the front plate 154 FIG. 9 further shows a sloped inward portion 182 corresponding to indented portion 158 in FIG. 10. FIG. 9 further shows a ridge or edge 184. FIGS. 10 and 11 further show a curved bottom section 159 opposite the edge 184.
[0043] FIG. 12 shows a cross sectional view of the mounting bracket $\mathbf{1 0 0}$ of FIG. 2 along with a cross sectional view of part of the pegboard hook 10 of FIG. 1 shown attached to the mounting bracket 100. In the configuration shown by FIG. 12, the plates 26, 21 , and 23, snugly fit or close over the top plate 152. The ridge 25 fits into the slot, groove or indented portion 158. The arrangement of FIG. 12 allows the pegboard hook 10 to be easily attached or detached from the mounting bracket $\mathbf{1 0 0}$. The pegboard hook 10 is detached by pushing the plate 26 clockwise in a direction C 1 shown in FIG. 12. The pegboard hook 10 does not detach when pushed downwards in a direction D1 shown in FIG. 12.
[0044] FIG. 3 shows a perspective view of a graphic strip holder $\mathbf{2 0 0}$ in accordance with an embodiment of the present invention. The graphic strip holder 200 includes arms 210 and 230 , front section 250 and visor section 260 . The visor section 260 is typically transparent and is shown in dashed lines in FIGS. 3, 5, 6, 7, and 8.
[0045] The arm 210 includes members 211, 212, 213, 214, 215 , and 216 ridges 217,218 , and 219 , and notch or slot 220 . The member 211 is angled with respect to the member 212 The member 212 is angled with respect to the member 213 The members $214, \mathbf{2 1 5}$, and 216 extend substantially perpendicularly downwards from the members 211, 212, and 213, respectively. The arm 210 includes edges $214 a, 214 b$, $\mathbf{2 1 4} c$, and $\mathbf{2 1 4} d$. The edge $214 a$ is angled with respect to edge $\mathbf{2 1 4} b$, which is angled with respect to edge $\mathbf{2 1 4} c$, which is angled with respect to edge $\mathbf{2 1 4} d$. The ridge 219 extends inward towards the arm 230.
[0046] The arm 230 is a mirror image of the arm 210. The arm 230 includes members 231, 232, 233, 234, 235, and 236 ridges $\mathbf{2 3 7}, \mathbf{2 3 8}$, and $\mathbf{2 3 9}$, and notch or slot $\mathbf{2 4 0}$. The member 231 is angled with respect to the member 232. The member 232 is angled with respect to the member 233. The members 234, 235, and 236 extend substantially perpendicularly downwards from the members 231, 232, and 233, respectively. The arm 230 includes edges 234a, 234b, 234 $c$, and $\mathbf{2 3 4} d$. The edge $234 a$ is angled with respect to edge $\mathbf{2 3 4} b$, which is angled with respect to edge $\mathbf{2 3 4} c$, which is angled with respect to edge $234 d$. The ridge 239 extends inward towards the arm 210
[0047] The arms 210 and 230 are fixed to the front section 250 by curved sections 255 and 256 . The front section 250 includes a top plate $\mathbf{2 5 1}$ and a front plate 252, which is fixed to the top plate $\mathbf{2 5 1}$ substantially perpendicular to the top plate 251. The arm 210 is fixed to the front section $\mathbf{2 5 0}$ so that the member 213 is at an angle with respect to the top plate $\mathbf{2 5 1}$ and the member 213 is substantially perpendicular to the front plate 252. The arm 230 is fixed to the front section 250 so that the member 213 is at an angle with respect to the top plate 251 and the member 213 is substantially perpendicular to the front plate 252. The front section 250 includes sides 253 and $\mathbf{2 5 4}$, which have slots $253 a$ and $254 a$, respectively.
[0048] The visor section 260 includes side 261, a front plate 262, side 263, and a bottom plate 264. The front plate 262 curved and is substantially parallel to the bottom plate 264. The sides 261 and 263, the front plate 262, and the bottom plate 264 are typically transparent and may be made of plastic. The visor section 260 includes protrusions $264 a$ and $265 a$, which may be made of rubber and may be used to grip and support graphic paper inserts. The visor section 260 is rotatably mounted to the front section 250 via screws such as screw $254 a$ through side 263 and into side 254 of the front section 250 and a similar screw, not shown, through side 261 and into side 253 of the front section $\mathbf{2 5 0}$. The sides 263 and 261 may be comprised of portions $263 a-b$ and $261 a-b$, respectively, with portions $263 a$ and $261 a$ similarly sized and larger than similarly sized portions $263 b$ and $261 b$, respectively.
[0049] FIG. 4 shows a perspective view of the pegboard hook 10 of FIG. 1 attached to the mounting bracket 100 of FIG. 2. The pegboard hook 10 and the mounting bracket 100 are configured so that the section $\mathbf{5 0}$ of the pegboard hook $\mathbf{1 0}$ will be parallel to the plate $\mathbf{1 5 2}$ of the mounting bracket when the hook 10 is mounted on the mounting bracket 100 , as in FIG. 4. In addition as previously described, with reference to FIG. 12, the plates $\mathbf{2 1} b, \mathbf{2 1} c, \mathbf{2 3}$, and 26, surround the combination of plates 152 and $\mathbf{1 5 4}$ to firmly mount the pegboard hook $\mathbf{1 0}$ onto the mounting bracket $\mathbf{1 0 0}$. In addition, the ridge $\mathbf{2 5}$ lies inserted into the indentation 158 as shown in FIG. 12.
[0050] FIG. 4 also shows a length, L1, a width W1, and a depth D1 of the mounting bracket 100. The length L1 may be about twelve inches, the width W1 may be about one and three-quarters inches and the depth D1 may be about one and three-quarters inches. The about twelve inch length avoid colliding with other typical product or package displays in stores
[0051] FIG. 5 shows a perspective view of the graphic strip holder $\mathbf{2 0 0}$ of FIG. $\mathbf{3}$ attached to the mounting bracket $\mathbf{1 0 0}$ of FIG. 2. When mounted as in FIG. 5, the plate $\mathbf{2 5 1}$ of the graphic strip holder $\mathbf{2 0 0}$ is substantially parallel to the plate $\mathbf{1 5 2}$ of the mounting bracket 100. In addition the members 214 and 234 of the graphic strip holder 200 are substantially parallel to and may be substantially level with the surfaces $\mathbf{1 4 2}$ and $\mathbf{1 3 2}$ of the sides $\mathbf{1 4 0}$ and $\mathbf{1 3 0}$, respectively, of the mounting bracket 100 . In addition, the ridge 218 fits within the notch 119 and the ridge 219 fits underneath the plate 118 of the mounting bracket 100 while the ridge 238 fits within the notch 120 and the ridge 239 fits underneath the plate 118 of the mounting bracket $\mathbf{1 0 0}$. The ridge 219 is fixed substantially perpendicular to the ridge 218 and points inwards underneath the plate 118 towards the ridge 239. The ridge 239 is fixed substantially perpendicular to the ridge 238 and points inwards underneath the plate $\mathbf{1 1 8}$ towards the ridge 219.
[0052] FIG. 6 shows a perspective view of the pegboard hook 10 of FIG. 1 and the graphic strip holder 200 of FIG. 3 attached to the mounting bracket 100 of FIG. 2, with the graphic strip holder $\mathbf{1 0 0}$ shown in a first state. FIG. $\mathbf{7}$ shows a perspective view of two pegboard hooks 10 and $\mathbf{3 1 0}$, each of which may be identical to pegboard hook $\mathbf{1 0}$ shown in FIG. 1, and the graphic strip holder 200 of FIG. 3 attached to the mounting bracket $\mathbf{1 0 0}$ of FIG. 2, with the graphic strip holder $\mathbf{1 0 0}$ shown in a first state.
[0053] FIG. 8 shows a perspective view of the pegboard hook 10 of FIG. 1 and the graphic strip holder 200 of FIG. 3 attached to the mounting bracket 100 of FIG. 2 with the graphic strip holder 200 shown in a second state. In FIG. 8, the visor section 260 has been rotated upwards so that the front plate $\mathbf{2 5 2}$ is no longer covered by the visor section 260.
[0054] The pegboard hook 10 shown in FIG. 1, is designed to hold and "concentrically" gravity feed products or packages forward and
[0055] stop at a desired location. Generally a package would slide down section 63 and stop on section 62, before tip $60 b$. The package would typically not slide to member 61, since member 61 is inclined or curved upwards. "Concentrically" means that the force of feeding downward is different for each segment of distance along the combination of sections 63 and 62.
[0056] Extension or scanner arm 40 is substantially parallel to at least part of hook member 60 (i.e. sections $\mathbf{6 5}, \mathbf{6 4}$, and 63 are substantially parallel to sections $41 a, 41 b$, and 41 , respectively) so that stacked packages or products will not require additional space. This means that vertically speaking the present invention in one or more embodiments will not lose space that
[0057] could allow for additional product.
[0058] The pegboard hook 10 easily attached to the mounting bracket $\mathbf{1 0 0}$ without any grip-lock requirements. This makes adding and removing hooks, such as one or more hooks like pegboard hook 10, easier. The pegboard hook 10 can be placed at an infinite number of locations left to right on the mounting bracket or wall mount 100. This makes reloading of different width products or packages extremely fast and easy.
[0059] The protrusions 111-116 may be flexible or articulating hooks to allow for straight-in peg board application. This is useful for vertically tight spaced stores.
[0060] The arms 210 and $\mathbf{2 3 0}$ of the graphic strips holder or riser 200 are designed to plug straight in easily to the mounting bracket 100 so as
[0061] to require very little swing space, if any to apply. The graphic strips holder $\mathbf{2 0 0}$ may have a clear visor cover 260 that swings out of the way to reveal a secondary graphic area.
[0062] The graphic strips holder or riser 200 may have dimples 264 and 265 which may be rubber and may be used to grip and support graphic paper inserts.
[0063] Although the invention has been described by reference to particular illustrative embodiments thereof, many changes and modifications of the invention may become apparent to those skilled in the art without departing from the spirit and scope of the invention. It is therefore intended to include within this patent all such changes and modifications as may reasonably and properly be included within the scope of the present invention's contribution to the art.

## What is claimed is:

1. An apparatus comprising:
a mounting bracket including a first plate and plurality of protrusions which are parallel to each other and which are attached to the first plate;
a first pegboard hook comprising
a mounting section;
and a hook member fixed to the mounting section; and
wherein the first pegboard hook can be attached or detached from the mounting bracket by attaching or detaching the mounting section to the mounting bracket; and
wherein the first pegboard hook can be attached to the mounting bracket so that the hook member of the first pegboard hook is substantially perpendicular to the first plate of the mounting bracket.
2. The apparatus of claim 1 wherein
the first pegboard hook comprises an extension which is fixed to the mounting section and which is spaced apart from the hook member and substantially parallel to the hook member.
3. The apparatus of claim 1 wherein
the hook member has a first section which extends upwards and a second section which is connected to the first section, which extends downwards.
4. The apparatus of claim 2 wherein
the hook member has a first section which extends upwards and a second section, which is connected to the first section, which extends downwards;
wherein the extension of the first pegboard hook has a first section which extends upwards and which is substantially parallel to the first section of the hook member; and
wherein the extension of the first pegboard hook has a second section which is connected to the first section, which extends downwards, and which is substantially parallel to the second section of the hook member.
5. The apparatus of claim 4 wherein
the extension includes a plate which is fixed to the second section of the extension and which is substantially perpendicular to the second section of the extension.
6. The apparatus of claim 1 wherein
the plurality of protrusions of the mounting bracket are substantially perpendicular to the first plate of the mounting bracket.
7. The apparatus of claim 1 wherein
the mounting bracket is further comprised of second and third plates which are connected to the first plate;
wherein the second plate is substantially parallel to the first plate;
wherein the third plate is substantially perpendicular to the first and second plates;
and wherein the mounting section of the first pegboard hook includes fourth, fifth, and sixth plates which are connected to the hook member, wherein the fourth and sixth plates are substantially parallel to each other and
the fifth plate connects the fourth and sixth plates together and is substantially perpendicular to the fourth and sixth plates;
and wherein the first pegboard hook can be attached to the mounting bracket by placing the fifth plate of the mounting section on top of the second plate so that the second plate lies between the fourth and sixth plates, and so that the fourth plate is parallel and closely adjacent to the third plate.

## 8. The apparatus of claim 7 wherein

each of the first, second, and third plates of the mounting bracket have a length and a width, with the length of each of the first, second, and third plates, substantially greater than the width of each of the first second, and third plates;
wherein the fourth plate of the pegboard hook has a first end which is connected to the fifth plate and a second end at which is located a first ridge having a length and a width, with the length of the first ridge substantially greater than the width of the first ridge;
wherein the third plate of the mounting bracket is connected to an indented portion having a length and a width, with the length of the indented portion substantially greater than the width of the indented portion;
wherein the first ridge of the pegboard hook fits into the indented portion, so that the length of the first ridge is substantially parallel to the length of the indented portion when the first pegboard hook is attached and so that the fifth plate lies on top of the second plate, the second plate lies between the fourth and sixth plates, and the fourth plate is parallel and closely adjacent to the third plate.
9. The apparatus of claim 8 wherein
wherein the sixth plate of the first pegboard hook has a first end which is connected to the fifth plate and a second end at which is located a second ridge having a length and a width, with the length of the second ridge substantially greater than the width of the second ridge;
wherein the second plate of the mounting bracket is connected to a second indented portion having a length and a width, with the length of the second indented portion substantially greater than the width of the second indented portion;
wherein the second ridge of the pegboard hook fits into the second indented portion, so that the length of the second ridge is substantially parallel to the length of the second indented portion when the first pegboard hook is attached and so that the fifth plate lies on top of the second plate, the second plate lies between the fourth and sixth plates, and the fourth plate is parallel and closely adjacent to the third plate.
10. The apparatus of claim 1 further comprising
a graphic strip holder including first and second arms connected to a front section, wherein the first and second arms are substantially parallel to each other and the front section is substantia lly perpendicular to the first and second arms;
wherein the first plate of the mounting bracket has first and second slots; and
wherein the graphic strip holder can be attached to the mounting bracket by inserting the first and second arms into the first and second slots of the mounting bracket.
11. The apparatus of claim 10 further comprising
a visor section attached to the front section of the graphic strip holder in a manner which allows the visor section to pivot with respect to the front section.
12. A method comprising
attaching a mounting bracket to a pegboard; and
attaching a first pegboard hook to the mounting bracket;
wherein the mounting bracket includes a first plate and plurality of protrusions which are parallel to each other and which are attached to the first plate;
wherein first pegboard hook is comprised of a mounting section;
and a hook member fixed to the mounting section; and
wherein the first pegboard hook is attached to the mounting bracket by attaching the mounting section to the mounting bracket; and
wherein the first pegboard hook is attached to the mounting bracket so that the hook member of the first pegboard hook is substantially perpendicular to the first plate of the mounting bracket.
13. The method of claim 12 wherein
the first pegboard hook comprises an extension which is fixed to the mounting section and which is spaced apart from the hook member and substantially parallel to the hook member.
14. The method of claim 12 wherein
the hook member has a first section which extends upwards and a second section which is connected to the first section, which extends downwards.
15. The method of claim 13 wherein
the hook member has a first section which extends upwards and a second section, which is connected to the first section, which extends downwards;
wherein the extension of the first pegboard hook has a first section which extends upwards and which is substantially parallel to the first section of the hook member; and
wherein the extension of the first pegboard hook has a second section which is connected to the first section, which extends downwards, and which is substantially parallel to the second section of the hook member.
16. The method of claim 15 wherein
the extension includes a plate which is fixed to the second section of the extension and which is substantially perpendicular to the second section of the extension.
17. The method of claim 12 wherein
the plurality of protrusions of the mounting bracket are substantially perpendicular to the first plate of the mounting bracket.
18. The method of claim 12 wherein
the mounting bracket is further comprised of second and third plates which are connected to the first plate;
wherein the second plate is substantially parallel to the first plate;
wherein the third plate is substantially perpendicular to the first and second plates;
and wherein the mounting section of the first pegboard hook includes fourth, fifth, and sixth plates which are connected to the hook member, wherein the fourth and sixth plates are substantially parallel to each other and the fifth plate connects the fourth and sixth plates together and is substantially perpendicular to the fourth and sixth plates;
and wherein the first pegboard hook can be attached to the mounting bracket by placing the fifth plate of the mounting section on top of the second plate so that the second plate lies between the fourth and sixth plates, and so that the fourth plate is parallel and closely adjacent to the third plate.
19. The method of claim 18 wherein
each of the first, second, and third plates of the mounting bracket have a length and a width, with the length of each of the first, second, and third plates, substantially greater than the width of each of the first second, and third plates;
wherein the fourth plate of the pegboard hook has a first end which is connected to the fifth plate and a second end at which is located a first ridge having a length and a width, with the length of the first ridge substantially greater than the width of the first ridge;
wherein the third plate of the mounting bracket is connected to an indented portion having a length and a width, with the length of the indented portion substantially greater than the width of the indented portion;
wherein the first ridge of the pegboard hook fits into the indented portion, so that the length of the first ridge is substantially parallel to the length of the indented portion when the first pegboard hook is attached and so that the fifth plate lies on top of the second plate, the second plate lies between the fourth and sixth plates, and the fourth plate is parallel and closely adjacent to the third plate.
20. The method of claim 19 wherein
wherein the sixth plate of the first pegboard hook has a first end which is connected to the fifth plate and a second end at which is located a second ridge having a length and a width, with the length of the second ridge substantially greater than the width of the second ridge;
wherein the second plate of the mounting bracket is connected to a second indented portion having a length and a width, with the length of the second indented portion substantially greater than the width of the second indented portion;
wherein the second ridge of the pegboard hook fits into the second indented portion, so that the length of the second ridge is substantially parallel to the length of the second indented portion when the first pegboard hook is attached and so that the fifth plate lies on top of the second plate, the second plate lies between the fourth and sixth plates, and the fourth plate is parallel and closely adjacent to the third plate.

