

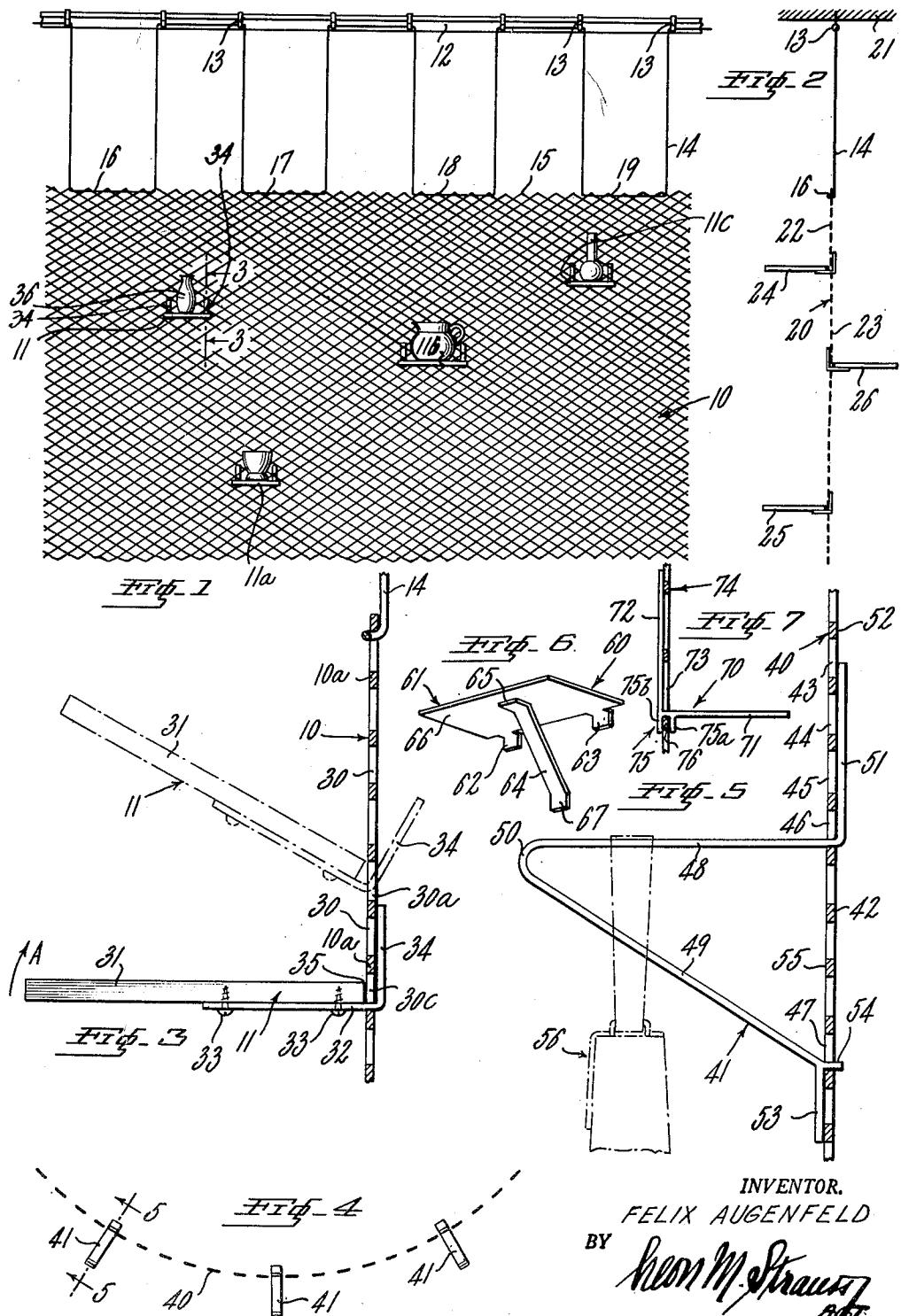
Jan. 23, 1951

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2,538,958

STAND OR DISPLAY SYSTEM

Filed Dec. 7, 1946



UNITED STATES PATENT OFFICE

2,538,958

STAND OR DISPLAY SYSTEM

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Application December 7, 1946, Serial No. 714,775

1 Claim. (Cl. 211—114)

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This invention relates to improvements in stand or display formations or systems.

It is one of the main objects of the invention to provide means affording speedy assembly, disassembly as well as adjustment of display devices relatively to a support in the form of a wall made of expanded metal or metal mesh material.

It is another object of the invention to provide means for lockingly attaching display devices to supports of the aforesaid character and for removal therefrom without the need for any connecting means, such as nails, screws, etc., which will cause damage or destruction to walls and the like on which display devices are usually affixed.

It is a further object of the invention to provide means for achieving a display formation of the aforesaid kind which can be easily and economically manufactured, can be speedily transported from place to place, and is readily adaptable to assume various forms (straight, as well as curved) for different display or like purposes.

Still another object of the invention is to provide means improving display systems which, owing to their simplicity, compactness and particular shape and design are capable of application to various fields of the industry, such as shelves, flower stands, window fixtures, etc.

It is still another object of the invention to provide means facilitating an aesthetically and mechanically efficient display system which is superior to other structures heretofore known by reason of its comparative strength, durability and reliability of operation and also because of the ease with which it may be assembled and dismantled.

Yet, a further object of the invention is the provision of means for conveniently suspending display or like formations for supporting any articles for display from moldings of walls of rooms for exhibition purposes whereby the walls of the room will not in any way be used.

With the foregoing objects in view together with such other objects and advantages as may subsequently appear, the invention resides in the parts and in the combination, construction and arrangement of parts, hereafter described, claimed and illustrated by way of example in the accompanying drawing, in which:

Fig. 1 shows schematically a front elevation of a display formation or system made in accordance with this invention.

Fig. 2 is a side elevation of Fig. 1 in a somewhat modified form.

Fig. 3 shows an enlarged sectional view taken along line 3—3 of Fig. 1 (parts on display being omitted for the sake of clarity).

Fig. 4 shows schematically a top plan view of a display system in modified form and made in accordance with this invention.

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Fig. 5 shows an enlarged sectional view taken along line 5—5 of Fig. 4.

Fig. 6 shows a perspective view looking toward the underface of the platform of a bracket employable in connection with this invention.

Fig. 7 is a side elevational view, partly in section, of a bracket in modified form as applied to a perforated support of the display system.

Referring now more particularly to the drawing, there is shown in Fig. 1 a display system or formation consisting of a length of wall or support of expanded metal 10 having a predetermined mesh and a plurality of display trays or devices 11, 11a, 11b, 11c which are removably attached to said wall 10 for display purposes. 10 Perforated wall 10 may be made preferably from, substantially rigid, expanded metal and is suspended from the molding 12 of a wall of a room in a manner as is known in the display of paintings and the like. To this end, there are positioned on molding 12 a number of hooks or loops 13 which engage a wire or similar tie means 14 which is threaded through the upper end 15 of wall 10 at 16, 17, 18 and 19, so that the suspension of wall 10 from molding 12 can be easily regulated and varied and wall 10 will be sufficiently spaced from and prevented from contacting the wall of the room.

As seen in Fig. 2, wall 20 is so suspended from ceiling 21 by means of hooks 13 and tie means 14 that wall 20 may carry at its front face 22, as well as at its rear face 23 a plurality of brackets 24, 25, 26. These brackets can be made and shaped similar to those seen in Fig. 1 and more clearly shown in Fig. 3.

Fig. 3 shows a portion of wall 10 in section made of expanded metal having latticed openings 30.

Bracket 11 is self-locking and has a platform 31 which may be integral with or connected, as in the present instance, with an angle piece 32 at 33. Angle piece 32 has an upright portion 34 which is spaced from end 35 of platform 31 in such a manner, that when upright portion 34 is inserted, say through opening 30c, the end 35 of platform 31 comes to lie for contact with the flat front face of the wall or support 10, whereas upright portion 34 abuts against the flat rear face of wall 10 to lock said bracket in position on said wall. Upright portion 34 is of such length that it will extend at least beyond two adjacent openings 30c, 30 of said expanded metal wall.

It may be easily realized that by first lifting platform 31 in vertical direction lengthwise of wall 10 and subsequent swinging of platform 31 in direction of arrow A and as indicated in dot-dash lines in Fig. 3, upright portion 34 may thus be readily withdrawn from the respective opening, say, 30a of wall 10 through which it had previously extended. It goes without saying, that a load, such as a container 36, when placed

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on platform 31 will further enhance the firm and locking connection between bracket 11 and wall 10.

Fig. 4 illustrates schematically a top plan view of a bendable wire mesh 40 which may be held in its curved position by any suitable means (not shown) and on which are removably attached brackets 41 in a manner more clearly shown in Fig. 5. Wire mesh 40 consists, in this instance, of square shaped wires 42 having therebetween openings 43, 44, 45, 46 and 47. Bracket 41 is so shaped that it has a substantially horizontal portion 48 with a downwardly directed portion 49 forming a bend 50 with said horizontal portion.

Through opening 46 of wall 40 and in upward direction extends arm 51 for abutment against the rear face 52 of wall 40, said arm portion 51 projecting between openings 43, 44, 45, 46.

The downwardly directed portion 49 of bracket 41 terminates into two extensions 53, 54, the latter engaging the wall 40 at its opening 47, whereas extension 53 engages the front 55 of wall 40, whereby a sturdy connection is achieved between perforated wall 40 and said bracket 41. If a plurality of these brackets are employed, an adjustable shelf-like device may be obtained, as it is well understood.

As indicated in Fig. 5 bracket 41 may lend itself to display of a lady's handbag 56 or like article.

Fig. 6 illustrates a shelf-like bracket 60 having the platform 61 with rearward lugs 62, 63 which downwardly depend from said platform 61. A central bracing arm 64 which may be attached at 65 to the underface 66 of platform 61, terminates in a lug 67 which is adapted for contact with the front face of a perforated wall, such as seen in Fig. 5, whereas lugs 62, 63 fit into respective spaced openings of said wall to extend in downward direction and in abutting relation with the rear face of said wall.

Fig. 7 indicates a one-piece bracket 70 which is preferably made of cast material, plastic or any suitable plastic composition.

Bracket 70 comprises the platform proper 71, from which project at either end a rear and upwardly directed portion or extension 72 adapted for insertion through a suitable opening 73 of perforated wall 74 and a lug 75 of U-shaped formation integral with said platform, the legs 75a, 75b of said lug structure being spaced from each other a predetermined distance to lockingly engage strap element 76 of the perforated wall 74. Leg 75b forms a downwardly directed extension portion (in alignment with extension portion 72), whereas leg 75a is spaced a predetermined distance (corresponding to about the thickness of wall 74) from said leg or extension portion 75b. Strap element 76 may be square in section, such as seen in Fig. 5 and designated by numeral 42 or in Fig. 3 and indicated by numeral 10a.

As can be seen from Fig. 1, the display device 11 has two spaced apart upright extensions or portions 34 which are adapted to pass through spaced apart openings of expanded metal wall 10, the distance between these upright portions 34 and the end 35 of the platform 31 corresponds substantially to the thickness of wall 10, as may be easily seen from Fig. 3.

Similarly, the distance between the vertical planes of arm 51 and extension 53 (Fig. 5), the distance between lugs 62, 63 on the one hand and lug 67 on the other hand (Fig. 6) and also the distance between the legs 75a and 75b of lug 75

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(Fig. 7) substantially corresponds to the thickness of the respective perforated or expanded metal wall to which the brackets 11, 41, 61 and 70 are applied.

It can thus be seen that there has been provided in accordance with this invention a display formation which comprises in combination a wall having perforations which are substantially equally spaced to each other, such as an expanded metal wall, with a platform for positioning on said wall.

The platform may be provided with means extending therefrom and passing through predetermined perforations of said wall for abutment against the rear face thereof, and further means associated with said platform and for abutment against the front face of said wall. Both said means being adapted to brace said platform in position at said wall and to firmly and lockingly engage said wall at its rear face and at its front face, respectively, whereby the distance between said means corresponds substantially to the thickness of the wall. Thus, the display platform can be easily affixed to the wall, whereby the platform will be retained in its position and braced against any displacement.

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

A display device comprising, in combination, a wall having substantially parallel surfaces, front surface and rear surface, respectively, with latticed openings extending through said surfaces and distributed over said wall in lengthwise and crosswise directions thereof, a bracket removably connectable with said wall, said bracket including a platform and two extensions connected to said platform, said platform extending on the front surface of said wall and across a plurality of said openings, said extensions being disposed in spaced apart relation to each other and extending through predetermined openings of said wall, each of said extensions including a downwardly and an upwardly directed portion disposed to extend substantially perpendicular to said platform on the rear surface of said wall, the respective upwardly directed portion projecting beyond said predetermined opening to an adjacent opening positioned above said predetermined opening, and means integral with said platform and spaced a predetermined distance from said downwardly directed portions of said extensions, said distance corresponding to the thickness of said wall, whereby said platform will be locked in position on said front surface of said wall.

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