April 28, 1936. A. S. MALM 2,039,097

BUILDING BLOCK SET

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Fig. 1.

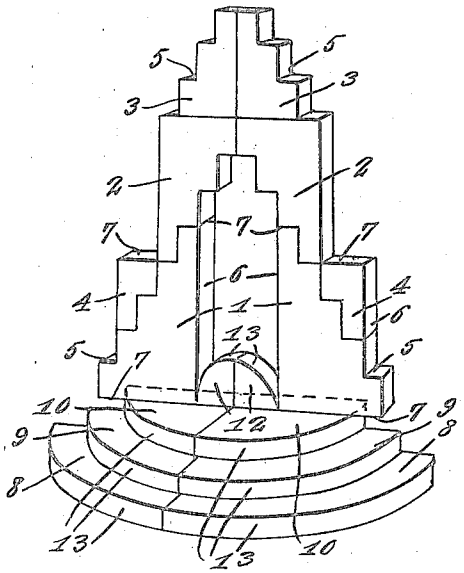


Fig. 2.

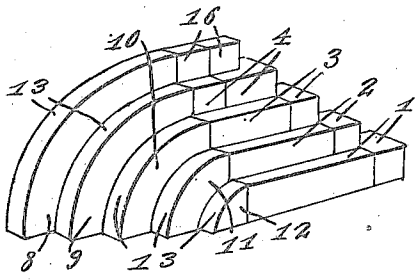
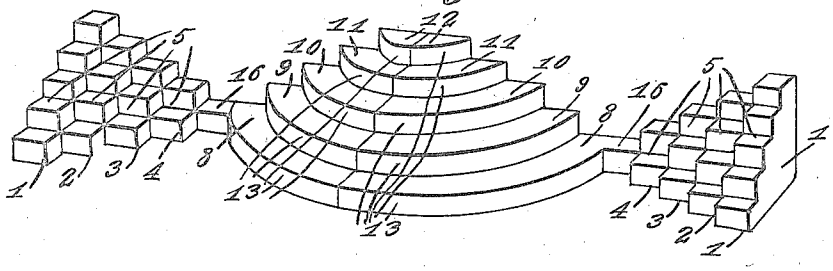


Fig. 3.



Axel S. Malm, INVENTOR

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ATTORNEY

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BUILDING BLOCK SET

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Fig. 4.

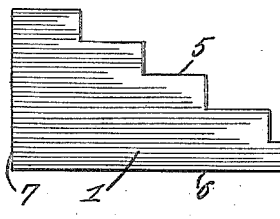


Fig. 6.

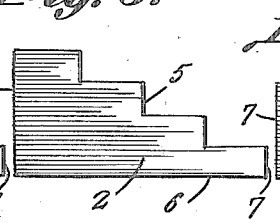


Fig. 8.

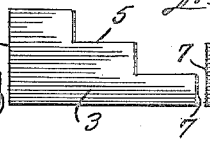


Fig. 10.

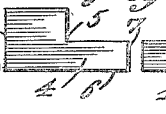


Fig. 12.



Fig. 5.

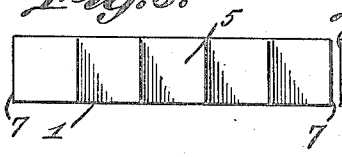


Fig. 7.

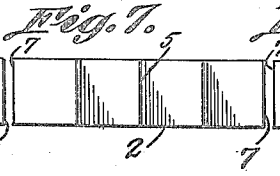


Fig. 9.

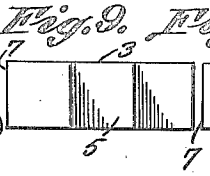


Fig. 11.



Fig. 13.



Fig. 14.

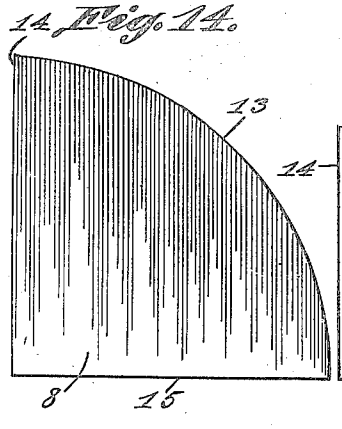


Fig. 16.

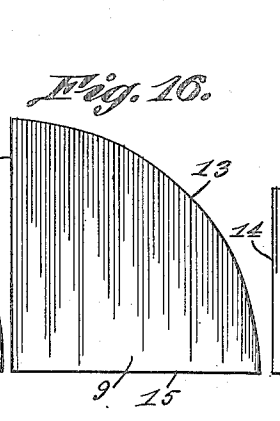


Fig. 18.

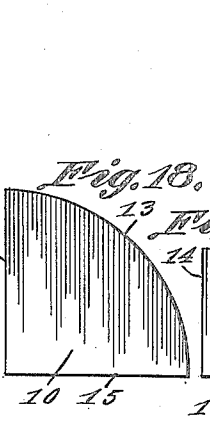


Fig. 20.



Fig. 22.



Fig. 15.

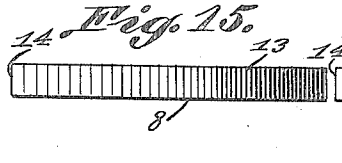


Fig. 17.

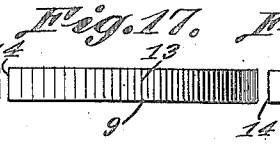


Fig. 19.

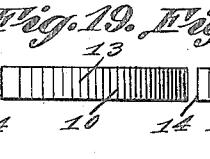


Fig. 21.

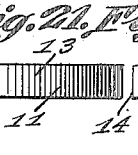
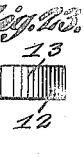


Fig. 23.



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Patented Apr. 28, 1936 2,039,097

UNITED STATES PATENT OFFICE

2,039,097

BUILDING BLOCK SET

Axel Sigfrid Malm, West Hartford, Conn.

Application August 6, 1935, Serial No. 34,952

2 Claims. (Cl. 211—1)

My invention relates to improvements in building block sets for use in building up displays in show windows, show cases or in similar capacities.

The object of my invention, generally stated, is to provide a set of blocks adapted for assembly to build a wide variety of structures of ornamental artistic appearance for use in connection with window displays to set off the goods and support the same at different levels in artistic arrangement.

To the accomplishment of the above, and other objects presently appearing, my invention comprises a plurality of pairs of complemental blocks of uniform thickness and graduated sizes as regards length and widths, each of which is formed with a stepped side edge, a straight side edge, and straight ends, the stepped side edge of any block interfitting with the corresponding side edge of another block so that said blocks may be assembled to build up stepped columns, arches, or similar structures, or, assembled either in side by side or stacked relation to build stepped structures, or assembled in pairs to form oblong block units, a plurality of pairs of flat segmental blocks of graduated sizes for building steps of segmental semi-circular or circular form and having straight sides for fitting together in pairs or for assembly with said stepped blocks to form rounded shoulders at the ends of stepped structures formed by said stepped blocks, and flat rectangular blocks for filling in steps of these stepped blocks or for use as extensions of said stepped blocks.

In the drawings accompanying and forming a part of this specification, various structures have been shown which may be constructed by different assemblies of said blocks and as illustrative of the use of my invention.

In said drawings:

Figure 1 is a view in perspective of an arch formed by assembling pairs of the stepped blocks in end to end relation and a stepped base for said arch formed by stacking pairs of segmental blocks.

Figure 2 is a view in perspective of an ornamental stepped structure formed by stacking pairs of the stepped blocks of successively smaller sizes and assembling segmental blocks at one end of said stack in side by side relation.

Figure 3 is a view in perspective of another structure formed by stacking the segmental blocks in pairs to form semi-circular steps and arranging the stepped blocks and the rectangular blocks side by side and at opposite sides of said base.

Figures 4 and 5 are views in side and edge elevation, respectively, of one of the stepped blocks.

Figures 6 and 7 are similar views, respectively, of a stepped block of next smaller size.

Figures 8 and 9 are similar views, respectively, of a stepped block of the next smaller size.

Figures 10 and 11 are similar views, respectively, of the smallest stepped block.

Figures 12 and 13 are edge and plan views, respectively, of one of the rectangular blocks.

Figures 14 and 15 are views in side and edge elevation, respectively, of one of the largest of the segmental blocks.

Figures 16 and 17 are similar views, respectively, of a segmental block of next smaller size.

Figures 18 and 19 are similar views, respectively, of a segmental block of the next smaller size.

Figures 20 and 21 are similar views, respectively, of a segmental block of still smaller size, and

Figures 22 and 23 are similar views, respectively, of the smallest size of said segmental blocks.

Referring to the drawings, 1 designates a pair of stepped blocks of my invention, 2 a pair of the stepped blocks of the next smaller size, 3 a pair of such blocks of the next smaller size, and 4 a pair of said blocks of the smallest size. The blocks 1, 2, 3 and 4 are of the same and uniform thickness and each is provided with a stepped side edge 5, a straight side edge 6 and straight ends 7, the steps in each instance being of the same depth and width so that the blocks of each pair may be interfitted to form an oblong unit and said steps being of the same width as the thickness of the blocks so that blocks of different pairs may be nicely interfitted in right angular relation.

The pairs of quadrant blocks of successively smaller sizes are designated 8, 9, 10, 11 and 12, respectively. Each of the quadrant blocks is provided with a curved side edge 13 formed in the arc of a circle and straight right angularly related straight side edges 14 and 15. Said quadrant blocks are of the same thickness as the stepped blocks and their straight side edges 14 and 15 correspond in length to the width of the stepped blocks at their larger ends whereby said quadrant blocks may be positioned flush against said ends of the stepped blocks to form rounded continuations thereof. The rectangular flat blocks 16 are of the proper size and thickness to fill in the stepped blocks and fit flush with the sides of said blocks. As above described the invention comprises a stepped block adapted to be combined to form structures with other similar blocks having the same or less or a greater num-

ber of the same size steps, each block being of such thickness as to correspond to the offset of each step and the top surface of each step being rectangular. The quadrant blocks are of the same thickness as the stepped blocks and as shown in Figure 1 may be interfitted with the stepped blocks as well as being adapted to be arranged to support the latter in right angular relation, as shown in Figure 1.

Manifestly a set of blocks having the features such as described in the foregoing may be assembled to form a wide variety of structures of artistic and ornamental design other than those illustrated in the drawings, but it has not been considered necessary to a proper understanding of the invention to further illustrate their use and other structres which may be built with said blocks.

Although I have described my improved set of blocks as comprising pairs of stepped blocks, it is to be understood that the invention is not to be construed as limited to single pairs of blocks.

Right is herein reserved to modifications in the described details of the invention falling within the scope of the appended claims.

What I claim is:

1. Building block construction for use in building up displays in show windows and the like comprising a stepped block adapted to be combined to form structures with other similar blocks having the same or a less or a greater number of the same size steps, each block having a stepped side edge, a straight side edge, and straight ends, the stepped side edges of each block interfitting with the corresponding edges of the others, the thickness of each block corresponding to the offset of each step, and the top surface of each step being rectangular whereby the blocks may be nicely fitted in right angular relation.

2. Building block construction for use in building up displays in show windows and the like comprising a stepped block adapted to be combined to form structures with other similar blocks having the same or a less or a greater number of the same size steps, each block having a stepped side edge, a straight side edge, and straight ends, the stepped side edges of each block interfitting with the corresponding edges of the others, the thickness of each block corresponding to the offset of each step, the top surface of each step being rectangular whereby the blocks may be nicely fitted in right angular relation, and a quadrant block adapted to be combined to form structures with other similar quadrant blocks and with the stepped blocks, the quadrant blocks being of the same thickness as the stepped blocks and having flat top and bottom surfaces whereby both the stepped blocks and the quadrant blocks may be fitted in right angular relation.

AXEL SIGFRID MALM.