

RESERVE

PATENT SPECIFICATION

673,857



Date of filing Complete

Specification : Aug. 2, 1950.

No. 18971/49.

Application Date : July 19, 1949.

Complete Specification Published : June 11, 1952.

Index at acceptance:—Class 132(iii), S6b.

COMPLETE SPECIFICATION.

Improvements relating to Constructional Toys.

I, HARRY HILARY FISHER PAGE, a British Subject, of 66, Barkston Gardens, Kensington, London, W.5, do hereby declare the invention, for which I pray that a Patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

- This invention has reference to constructional toys consisting of building blocks which have nibs or projections on their upper face, and a recess or recesses in from their lower face, whereby wall and other structures can be built up from said blocks.
- 15 The subject matter of the invention is particularly for use with blocks which are hollow, so as to be open from the lower face, and on the upper face of which are spaced projections arranged to engage
- 20 within the opening of a superimposed block.

The object of the present invention is to provide an arrangement wherein the lowest or first laid row of blocks of a structure such as a wall, can be supported and maintained rigid so that the final built up structure can be moved without the risk of the lowest row being displaced. It will be understood that the lowest row

30 usually is unsupported from below, and is maintained in correct position only by the engagement therewith of the next laid row, so that the lifting of a built up structure such as a model house, is difficult.

- 35 According to the present invention, there is provided a supporting sheet or base for toy building blocks of the kind set forth, said sheet or base having a plurality of nibs or projections upstanding from its top
- 40 surface, which nibs or projections are of circular cross section and are disposed equally spaced longitudinally and transversely and in rows so as to be engageable within the recesses of blocks placed there-
- 45 on to maintain said blocks in alignment either longitudinally or transversely of the base.

The projections will therefore be such that the first laid course will be supported from beneath and also against lateral displacement, and also are such that the laid rows can be in any desired parallel or right angled disposition.

It has been proposed to provide a supporting base for constructional elements, which elements are of a slab-like form, the base having longitudinal and transverse grooves forming squares, the grooves being for the purpose of receiving tongues projecting from one end of the elements so that said elements are supported upstanding from the base.

In order that a clear understanding of the invention may be obtained reference will now be made to the accompanying drawings which illustrate two preferred embodiments of the invention, wherein:—

Fig. 1 is a plan view of one form of base board;

Fig. 2 is a side view thereof;

Fig. 3 is a fragmentary underneath plan view;

Fig. 4 is a plan view of the second form of base board; and

Fig. 5 is a fragmentary underneath plan view.

In the drawings, the base 1 is of a synthetic plastic and its upper surface has a number of projections 2 of cylindrical form on its upper surface, which projections are disposed in rows and equispaced longitudinally and transversely of the block. The base is for use with blocks as described in my prior Patents Nos. 587,206 and 633,055 and the projections on the base are spaced so as to be identical with the projections on the blocks. These blocks consist of square (in plan) hollow blocks 3 with four projections, or double square blocks 4, i.e., of a length twice the width with eight projections. The base is in effect, the equivalent of a number of blocks laid contiguous to build up a rectangular platform, so that superimposed blocks can be

[Price] id

PRICE

laid in rows as determined by the spacing either longitudinally or transversely.

The edges of the base may be bevelled as at 5 and to facilitate the lifting thereof, 5 projections or supporting feet 6 preferably of right angle form, are provided at each corner on the underside, and further projections are provided at least at the two long edges along the underside to 10 maintain the base slightly spaced from a table or like surface.

As shown in Figs. 4 and 5, the base is square, and is provided with a depending peripheral flange or wall 7. The marginal 15 part 8 outside each outer row of projections is of a width equal to one half the distance between adjacent rows and this enables bases to be locked together by means of the bricks thereby allowing for 20 large structures to be built up. This feature may also be applied to the construction illustrated in Figs. 1 to 3.

Strengthening ribs 9 are provided on the underside of the base shown in Figs. 4 25 and 5.

What I claim is:—

1. A supporting sheet or base for toy building blocks of the kind set forth, said sheet or base having a plurality of nibs or 30 projections upstanding from its top sur-

face, which nibs or projections are of circular cross section and are disposed equally spaced longitudinally and transversely and in rows so as to be engageable within the recesses of blocks placed thereon to 35 maintain said blocks in alignment either longitudinally or transversely of the base.

2. A supporting sheet or base as claimed in Claim 1, wherein the projections are of cylindrical form, and are spaced to fit 40 within the open hollow faces of square or double square bricks.

3. A supporting sheet or base as claimed in Claim 2, wherein a marginal part is provided outside each outer row of projections 45 of a width equal to one half the distance between adjacent rows.

4. A supporting sheet or base as claimed in Claim 3, wherein the sheet or base has a depending peripheral flange or wall. 50

5. A supporting sheet or base substantially as herein described with reference to the accompanying drawings.

KINGS PATENT AGENCY LIMITED,

By B. T. KING, A.I.Mech.E.,

Director.

Registered Patent Agent,
146A, Queen Victoria Street,
London, E.C.4.

Agents for the Applicant.

PROVISIONAL SPECIFICATION

Improvements relating to Constructional Toys.

I, HARRY HILARY FISHER PAGE, a 55 British Subject, of 66, Barkston Gardens, Kensington, London, W.5, do hereby declare the nature of this invention to be as follows:—

This invention has reference to constructional toys consisting of building blocks 60 which have nibs or projections on their upper face, and a recess or recesses in from their lower face, whereby wall and other structures can be built up from said blocks.

65 The subject matter of the invention is particularly for use with blocks which are hollow, so as to be open from the lower face, the upper face having spaced projections, which projections are arranged to 70 engage within the opening of a superimposed block.

The object of the present invention is to provide an arrangement wherein the lowest or first laid row of blocks of a 75 structure such as a wall, can be supported and maintained rigid so that the final built up structure can be moved without the risk of the lowest row being displaced. It will be understood that the lowest row 80 usually is unsupported from below, and is maintained in correct position only by the engagement therewith of the next laid row, so that the lifting of a built up structure

such as a model house, is difficult.

Broadly, the present invention consists 85 of a flat supporting sheet or base, from the upper surface of which a number of projections upstand, which projections are spaced and disposed so as to form the equivalent of projections to engage within 90 the recesses of blocks placed thereon and to maintain said laid blocks in alignment either longitudinally or transversely of the base. The projections are therefore such that the first laid course will be supported 95 from beneath and also against lateral displacement and also are such that the laid rows can be in any desired parallel or right angled disposition.

It is preferred to utilise the base in combination with blocks of square shape in plan (half bricks) and blocks of a length twice 100 their breadth, in which case four projections are provided for each unit square one situated near each corner of the square, 105 the projections being circular in plan and spaced in from the edge of the square by a distance equal to the wall thickness of the block. This arrangement allows for staggered laying of the courses. 110

The base is of rectangular form and its upper surface has a plurality of upstanding projections arranged in longitudinal

and transverse equispaced rows. The base in effect, is the equivalent of a number of blocks laid contiguous to build up a rectangular platform, so that superimposed 5 blocks can be laid in rows as determined by the spacing either longitudinally or transversely.

The edges of the base are bevelled and to facilitate the lifting thereof, projections 10 or supporting feet preferably of right angle form, are provided at each corner on the underside, and further projections

are provided at least at the two long edges along the underside to maintain the base slightly spaced from a table or like 15 surface.

Dated this 19th day of July, 1949.

KINGS PATENT AGENCY LIMITED,

By B. T. KING, A.I.Mech.E.,

Director.

Registered Patent Agent,

146A, Queen Victoria Street,

London, E.C.4.

Agents for the Applicant.

Printed for Her Majesty's Stationery Office by Wickes & Andrews, Ltd., E.C.4. 39/244.—1952.
Published at The Patent Office, 25, Southampton Buildings, London, W.C.2. from which copies may be obtained.

FIG. 1.

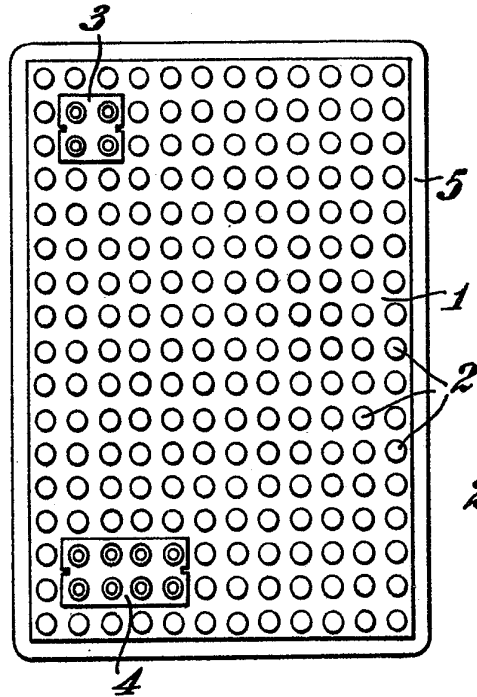


FIG. 2.

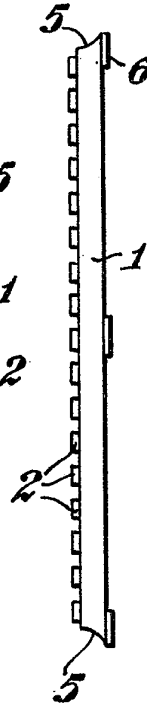


FIG. 3.

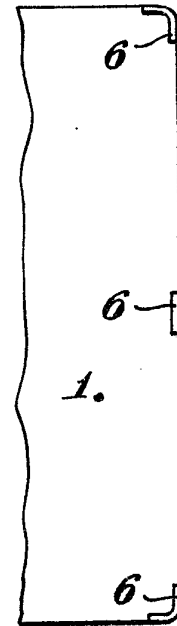


FIG. 4.

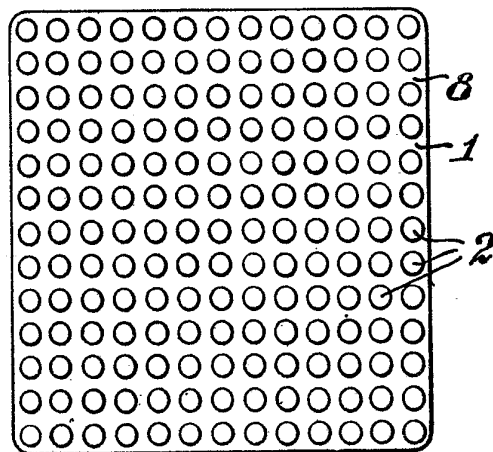


FIG. 5.

