

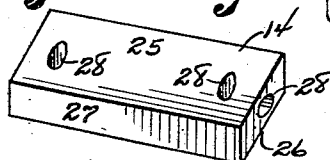
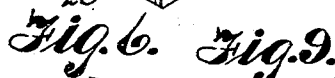
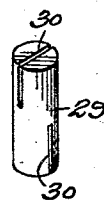
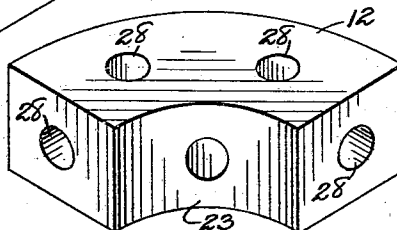
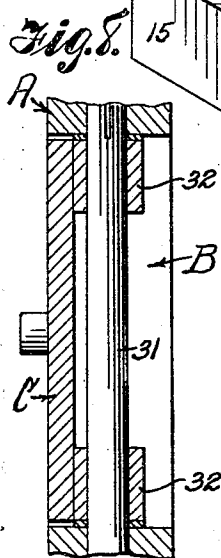
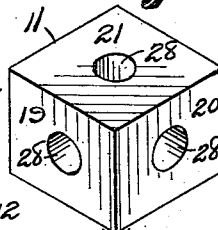
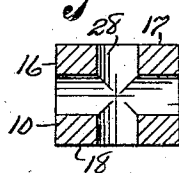
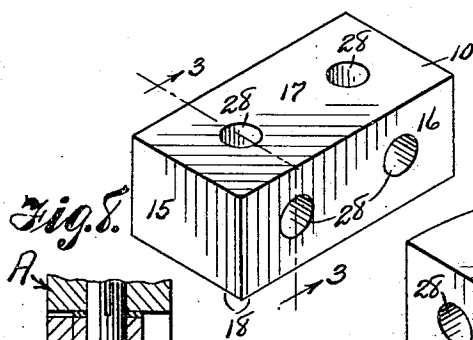
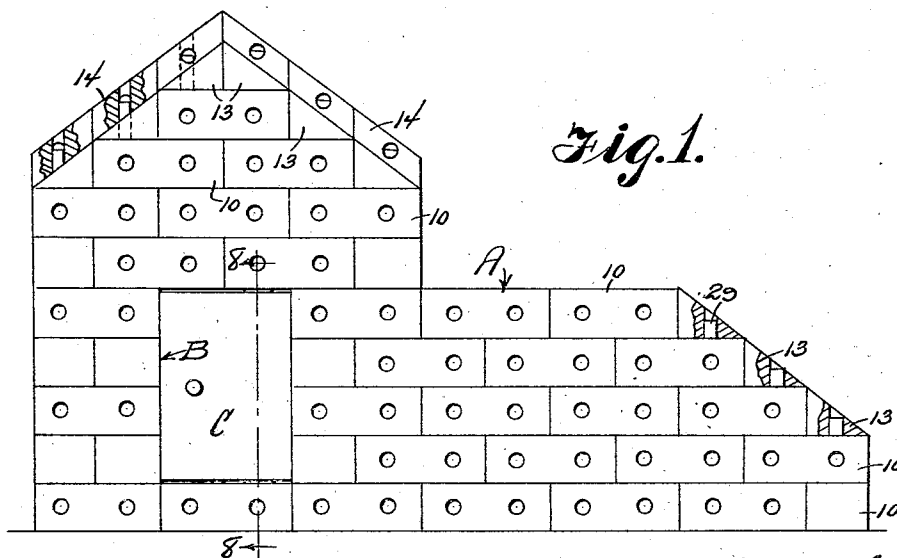
Sept. 14, 1937.

R. A. REICHÉ

2,093,341

BUILDING BLOCK SET

Filed March 9, 1936



Robert A. Reiche
INVENTOR
BY Victor J. Evans & Co.

INVENTOR

BY *Victor J. Evans & Co.*

ATTORNEY

UNITED STATES PATENT OFFICE

2,093,341

BUILDING BLOCK SET

Robert A. Reiche, Phoenix, Ariz.

Application March 9, 1936, Serial No. 67,948

1 Claim. (Cl. 46—26)

The invention relates to pre-formed building outfits and more especially to toy building block sets.

The primary object of the invention is the provision of a set of this character, wherein through the use of a plurality of geometrically shaped units and connecting elements an object of selected configuration, as for example, an edifice may be erected giving thereto permanency and assuring imitative design, construction, solidity and appearance to the object thus completed.

Another object of the invention is the provision of a set of this character, wherein the units will be held in place and in the use or handling thereof renders amusement and enables one to become versed in building construction, designing, planning, modeling, etc.

A further object of the invention is the provision of a set of this character, which is simplified in its makeup, readily and easily handled, serviceable as a toy, novel, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claim hereunto appended.

In the accompanying drawing:

Figure 1 is a fragmentary elevation partly in section showing an assembly formed from a building block set constructed in accordance with the invention.

Figure 2 is a perspective view of one of the blocks of the set.

Figure 3 is a vertical sectional view of another block of the set.

Figure 4 is a perspective view of the latter.

Figure 5 is a perspective view of another of the blocks.

Figure 6 is a perspective view of still another block.

Figure 7 is a perspective view of one of the connecting pins or dowels of the set.

Figure 8 is a fragmentary vertical transverse sectional view on the line 8—8 of Figure 1 looking in the direction of the arrows.

Fig. 9 is a perspective view of one of the angled edging members.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, the building block set comprises groups of pre-formed

units 10, 11, 12, 13, and 14, respectively. Each unit is in the nature of a block-like body, in this instance the latter providing the unit 10 being elongated with flat ends 15, sides 16, top 17 and bottom 18, respectively, while the unit 11 is square with flat ends 19, sides 20, top 21 and bottom 22.

The unit 12 is curved at 23 and the unit 13 has the angled top 24 while the unit 14 is elongated with a slanting top and bottom 25 and 26, respectively, and parallel sides 27.

These units each and all have sockets 28 adapted to receive a connecting or dowel pin 29 which in opposite ends has slits 30 for giving frictional grip to said pin or dowel when inserted in a companion socket for the separable attachment of selected units with each other.

These sockets 28 are of a size for the snug fitting of the pins or dowels therein and are located for the convenient assembly of all units in erecting an object of a determined design, as for example, a miniature building or other edifice.

The units 10 are grouped and connected by the pins or dowels 29, as for example, in the erection of an exterior wall A of an edifice, while through the grouping a doorway B is created and this latter is closed by a swinging door C, its hinge pintle 31 being an elongated connector pin or dowel and is passed through bearings 32 similar to the units 11, these bearings being made secure to the inside of the door C while the pintle 31 is engaged in sockets therefor in the units 10 at the head and sill of the doorway.

The units 13 and 14, respectively, are useful for giving slant or slope at the required localities, as for example, at the roof line or at an edging of the wall while the unit 12 is serviceable for effecting an arch in the wall or a bay-window. This unit is also adaptable for creating a wheel.

The toy building blocks are set up suitable for play, amusement, planning, modeling, etc., and the blocks constituting the units may be of any configuration for the grouping and assembling thereof to erect an edifice or an object, as for example, in constructing a small temporary or semi-permanent building such as children's play-houses.

It is, of course, understood that in the building of a roof through the use of the roof blocks these are held together by pegs in their sides and are held with the walls by pegs in oblique holes which may either extend from the bottom half way through the blocks or through to the top. The side holes will of course be perpendicular to the sides of the blocks. For constructing eaves

some of the blocks will be of one and one half size.

Furthermore, in presenting the windows to the building these may be made from cellophane and held in by pegs or slots.

What is claimed is:

In a set of the character described comprising a plurality of block-like units having determined configuration and also provided with sockets, dowels fitting said sockets for joining the units with each other for erection of a wall adapted to have a doorway, a door closing said doorway,

bearing blocks carried by a face of the door adjacent the upper and lower ends thereof and constituting certain of said units, said blocks having aligned openings therethrough, and a pintle for the door extending through said openings and in the top and bottom of the doorway, the said dowels being spread at opposite ends and separably fitting the sockets within the units, and said pintle having yieldable opposite ends frictionally engaging in the sockets.

ROBERT A. REICHE.