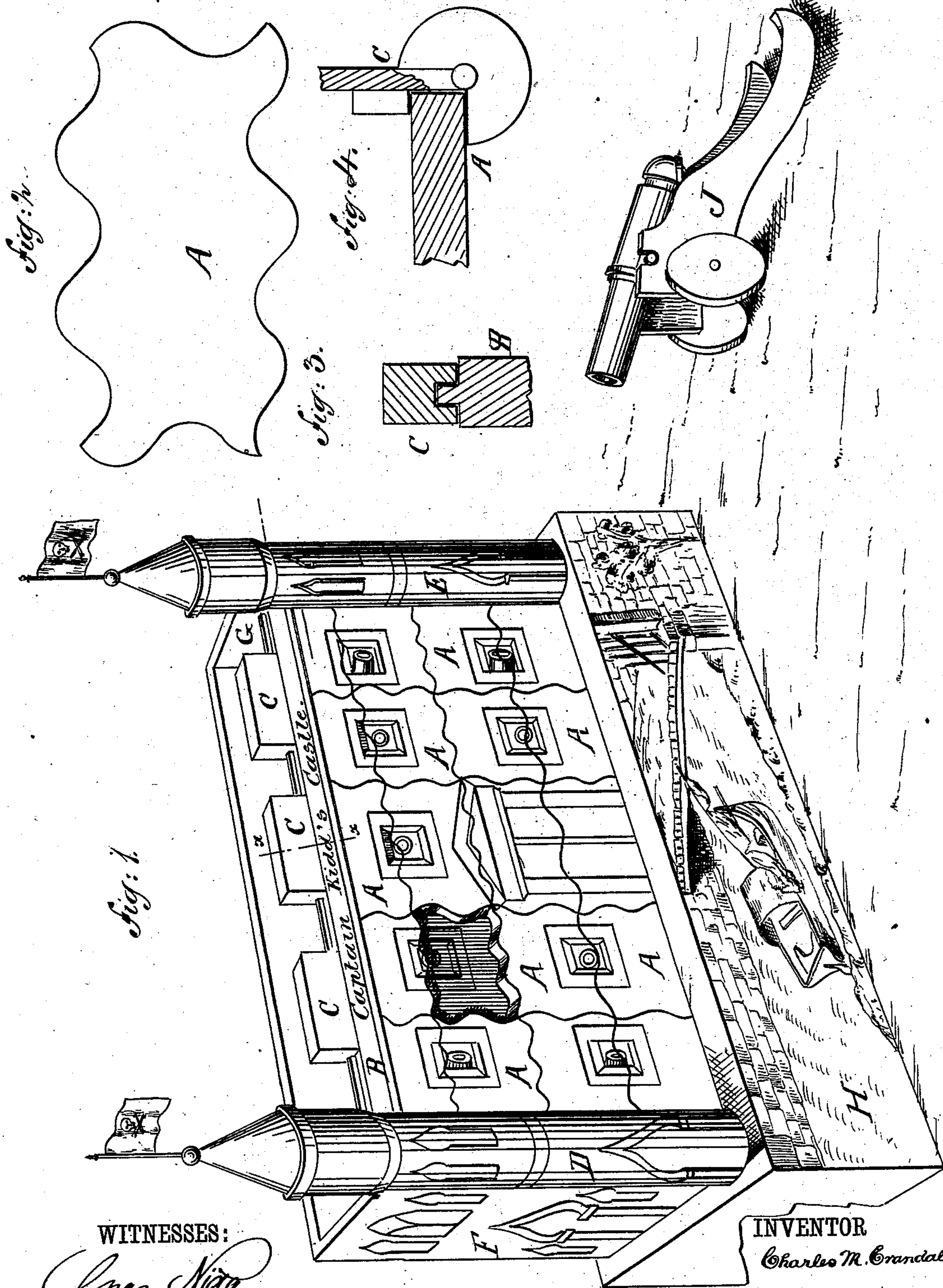


No Model.)

C. M. GRANDALL.
TOY BUILDING BLOCK.

No. 294,589.

Patented Mar. 4, 1884.



WITNESSES:

Chas. Nida
Geo. H. Bruns

INVENTOR

Charles M. Grandall

BY

Emory M. Turner

ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES M. CRANDALL, OF MONTROSE, PA., ASSIGNOR TO FRED W. CRANDALL AND BENJAMIN L. BALDWIN, BOTH OF SAME PLACE.

TOY BUILDING-BLOCK.

SPECIFICATION forming part of Letters Patent No. 294,589, dated March 4, 1884.

Application filed April 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. CRANDALL, of Montrose, Susquehanna county, State of Pennsylvania, have invented a new and useful
5 Improvement in Toy Building-Blocks; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying sheet of drawings, forming part of this specification.

10 This invention is in the nature of an improvement in toys; and the invention consists in a series of irregularly-divided toy-blocks, combined with cylindrical towers fitted thereto, in the manner and for the purpose herein-
15 after particularly shown and described.

In the accompanying sheet of drawings, Figure 1 is a perspective view of my toy. Fig. 2 is a detail plan view of single block. Fig. 3 is a cross section of crenelated block, taken in
20 line *x x*, Fig. 1. Fig. 4 is a section of block, tower, and side piece.

Similar letters of reference indicate like parts in the several figures.

This invention is designed to produce an
25 amusing and instructive toy for children, and it particularly relates to that class of toys that consist of blocks or sections with irregular-shaped edges, which, in the nature of a puzzle, affords amusement to the user.

30 In the construction of my toy I make a series of blocks, A, of different sizes and the edges *a* of irregular or scroll shape, so that only blocks with corresponding irregular-shaped edges will fit together to form a given design.

35 The surface of these blocks may be covered with any suitable lithographed or printed picture—as, for instance, the face or curtain of a fort or castle with embrasures, guns, and gate.

The blocks, when fitted together in a vertical
40 position, may have a cornice-strip, B, placed on their upper edges, and on this strip may be fitted, in any desired manner, blocks C, arranged to form a crenelated top, adding to the general design of the fort or castle. At each end

45 of the series of blocks in this way built up are placed and fitted cylindrical towers D and E. These towers may be likewise ornamented with lithographic designs representing gates, windows, loop-holes, and embrasures, and to these
50 towers, extending back from the same, sides F and G are secured, which form the sides of

the structure built up with the blocks. To add to the general effect of the structure it is designed to build, the fort or castle is placed or built on the box H, which contains the blocks
55 when not in use. This box is also ornamented with lithographic or printed pictures representing the ditch or moat of the fort spanned by a draw-bridge; or any other suitable design may be placed on the box in keeping or in
60 harmony with the general effect produced by the blocks. To add to the interest and amusement of the toy when the edifice shall have been completed, a toy-cannon, J, is combined with the blocks, so that by projecting from the
65 cannon a rubber ball a seeming attack upon the fort may be made, and when the ball projected from the cannon impinges against the face or curtain of the fort or castle, which, as before stated, is built up from the blocks A
70 of irregular-shaped edges, the impact of the ball against the blocks when in position will in some instances bend inward some of the blocks, and in others force one or more of the blocks entirely out of its position, leaving the
75 opening thus formed with jagged edges not unlike a breach formed in a stone wall, which the blocks represent. This feature of the blocks is due to the peculiarly-irregular character of the edges of the blocks, which holds
80 the several blocks together with sufficient firmness or tenacity to allow one or more of their number to be bent or forced out without necessarily disturbing the surrounding blocks or demolishing the entire structure, so that a very
85 good representation of a stone fort is had, and the effect of a cannonade against such a wall is well illustrated.

The blocks A being, as before stated, of different sizes, necessitating blocks of correspond-
90 ing edges to fit into each other, a pleasing puzzle is produced, which to some extent will tax the ingenuity of the user of the blocks when endeavoring to fit the several blocks together to compose the general design.

95 Instead of forming the blocks A with scrolled edges, they may, as is obvious, be provided with dowel-pins and holes as a means of keeping the blocks in position; but the simplest form and best effect is produced by the form
100 of edge described.

Having now described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

1. A toy composed of a series of blocks with scroll-cut edges, and combined with cylindrical tower-blocks D and E and side blocks, F and G, as and for the purpose described.

2. In a toy, the combination of a series of blocks with scroll-cut edges, tower-blocks D

and E, and a foundation formed from the box H, ornamented with a design in harmony with said blocks, as and for the purpose described.

CHARLES M. CRANDALL.

Witnesses:

A. H. SMITH,
HENRY C. TYLER,
JNO. N. BRUNS.