No. 879,455. PATENTED FEB. 18, 1908.

C. W. FROST.

TOY BUILDING BLOCK.

APPLICATION FILED MAY 29, 1907.

Fig. 1

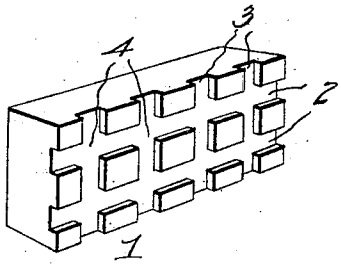


Fig. 2.

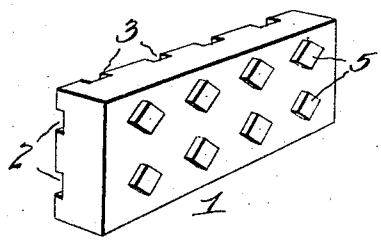
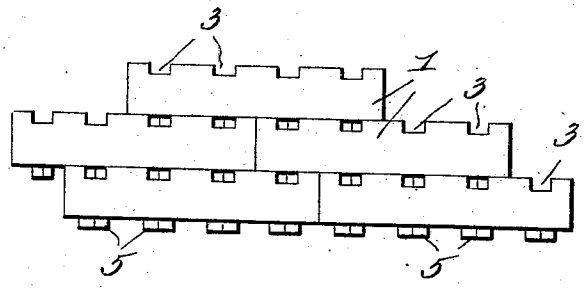


Fig. 3.



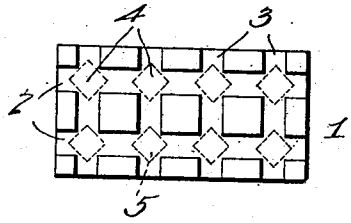


Fig. 4.

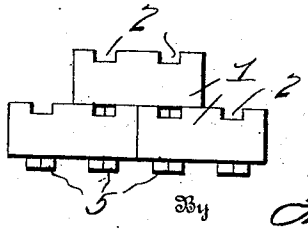


Fig. 5.

Witnesses

T. L. Mockabee

A. F. Flanagan.

Inventor

Charles W. Frost

By Thomas D. Moulds

Attorney

UNITED STATES PATENT OFFICE.

CHARLES W. FROST, OF PHILADELPHIA, PENNSYLVANIA.

TOY BUILDING-BLOCK.

No. 879,455. Specification of Letters Patent. Patented Feb. 18, 1908.

Application filed May 29, 1907. Serial No. 376,316.

To all whom it may concern:

Be it known that I, CHARLES W. FROST, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Toy Building-Blocks, of which the following is a specification.

This invention relates to improvements in toy blocks, and has particular reference to that class of blocks used in building toy structures, and it has for its object the provision of a neat and inexpensive block having on one of its faces a series of grooves or channels extending both longitudinally and transversely thereof, and on its opposite face a series of projections, adapted to set and fit into the seats in a corresponding block formed by the cross grooves or channels in the face thereof.

The invention further consists in the novel construction and arrangement of the several parts of the device, as hereinafter described, illustrated in the drawing, and more particularly pointed out in the claim hereunto appended.

In the drawing: Figure 1 is a perspective view of the block showing the cross grooves or channels in one face thereof. Fig. 2 is a similar view showing the projections on the opposite face thereof. Fig. 3 shows a number of these blocks assembled in a structure and held in engagement with one another. Fig. 4 is a plan view of one of the blocks showing the cross-grooves or channels therein, and the positions occupied by the projections on an interlocking block when engaged therewith, said positions being indicated in dotted lines. Fig. 5 is an end view of several of my improved blocks assembled and locked in position.

Referring to the drawing, the numeral 1 indicates the block, 2, 2, longitudinal grooves or channels, preferably squared, and 3, 3, transverse grooves or channels, also preferably squared, in one face of said block. These grooves or channels may be made by a saw, or other suitable cutting tool, and intersect the smooth faces of the block, as shown, by passing the cutting tool across the face of said block in one direction, and then across said face in a transverse direction, as is evident.

It will be observed that at the intersection of these grooves or channels a seat 4 is formed, and is for a purpose hereinafter stated. On the opposite face of said block are a series of projections 5, preferably squared, and are sufficiently small to set into the seats 4 in the grooved face of a block, and to hold the block thus engaged locked in yielding engagement. These projections are formed on the face of the block by a saw, or other suitable cutting tool; said saw or other tool being run across said face obliquely to the sides thereof, so that when said projections are finished the sides thereof will be at an angle to the sides of the block. By reason of this construction of these projections 5, these blocks when engaged will have a slight longitudinal and also a slight transverse play, which is very advantageous in assembling them in a structure, as it allows for swelling and shrinkage in the blocks.

Having thus described my invention, what I claim is:—

1. A toy block having on one of its faces a series of squared projections, the sides of said projections being arranged obliquely to the sides and ends of said block.

2. A toy block having in one face thereof intersecting grooves or channels, and on its opposite face a series of squared projections, the sides of said projections being arranged obliquely to the sides of the block.

In testimony whereof I affix my signature, in presence of two witnesses.

CHARLES W. FROST.

Witnesses:
THOS. D. MOWLDS,
SADIE I. HARPER.