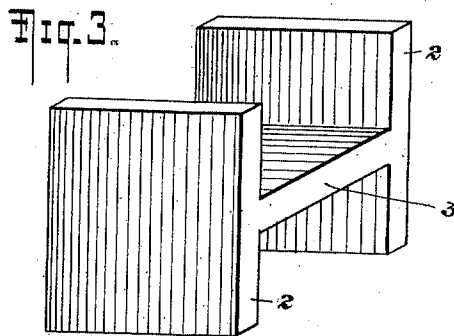
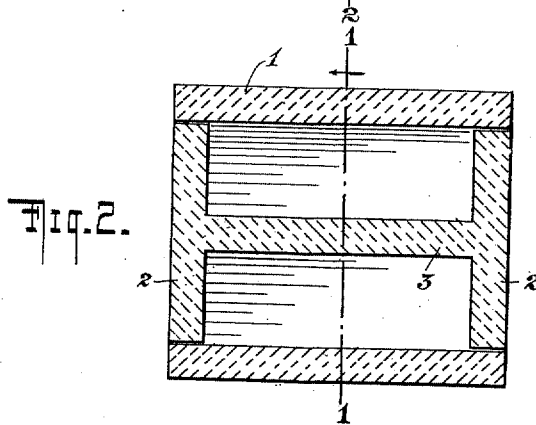
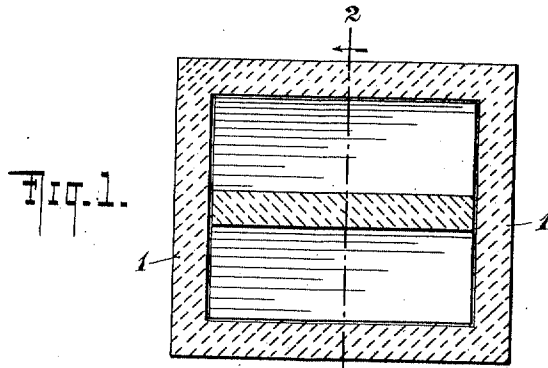


F. BURCHARTZ.
SECTIONAL BUILDING BLOCK.
APPLICATION FILED JUNE 21, 1910.

986,132.

Patented Mar. 7, 1911.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FERDINAND BURCHARTZ, OF NEW YORK, N. Y.

SECTIONAL BUILDING-BLOCK.

986,132.

Specification of Letters Patent.

Patented Mar. 7, 1911.

Application filed June 21, 1910. Serial No. 568,198.

To all whom it may concern:

Be it known that I, FERDINAND BURCHARTZ, a citizen of the United States, and resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Sectional Building-Blocks, of which the following is a specification.

My invention relates to building blocks and has for its object to construct a hollow building block of two separate cooperating sections which, when assembled produce a strong, light and serviceable structure.

A further object of my invention is to construct the two sections in a manner to reduce the cost of manufacture to a minimum without sacrificing any qualities as to strength and the like and to make it possible to quickly and readily assemble such sections.

Other objects of my invention will appear from the description hereinafter and the features of novelty will be pointed out in the appended claims.

Reference is to be had to the accompanying drawings in which—

Figure 1 is a section on the line 1—1 of Fig. 2; Fig. 2 is a similar view on the line 2—2 of Fig. 1 and Fig. 3 is a perspective view of the interior block section.

The block comprises an exterior tubular section 1 open at both ends and made of any suitable material. Into this exterior section is fitted an interior section made of suitable material and comprising end plates 2 connected by a central web or rib 3 so as to be substantially I-shaped. This interior section is slipped into the tubular outer section 1 so as to completely close the open ends thereof, it being understood that the end plates 2 are of a size to secure this result. The distance between the outer faces of the end plates 2 corresponds to the length of the exterior section so that when the two sections are assembled the ends of the exterior section and the outer faces of the plates 2 will be flush with each other. If desired the interior section may be provided with more than one web or rib 3.

It will be seen that both block sections are extremely simple in construction both being preferably constructed in one piece

and are therefore quickly and cheaply made and when assembled produce a hollow building block which is light and yet extremely strong. The said complete block is capable of withstanding great pressure in all directions the end plates 2 serving to brace in one direction while the walls of the exterior section and the central web offer a resistance to a pressure in a direction at angle thereto. The two sections are readily assembled, the interior section being slipped into the outer section and when so assembled may be connected by a cement or other binder if desired.

Various changes in the specific construction shown and described may be made within the scope of the claims without departing from the spirit of my invention.

I claim:

1. A building block, comprising an open ended outer section and a separate inner section fitted within said outer section and having spaced connected portions arranged to close the opposite open ends of said outer section, said outer section completely surrounding the inner section in a direction at an angle to its axis.

2. A building block comprising an open ended tubular outer section, plates arranged to fit within the open ends of said tubular outer section to close said ends and a connection separate from said tubular outer section and rigidly connected with said plates.

3. A building block comprising an open ended tubular outer section and a separate I-shaped interior section adapted to slide within the outer tubular section and completely close the ends thereof.

4. A building block comprising a complete tubular outer section having open ends, separate plates arranged to snugly fit said open ends to close the same and a central rib rigidly connected with each end plate.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

FERDINAND BURCHARTZ.

Witnesses:

JOHN A. KEILLENBECK,
ELMER G. WILLYOUNG.