A. L. BAXTER.

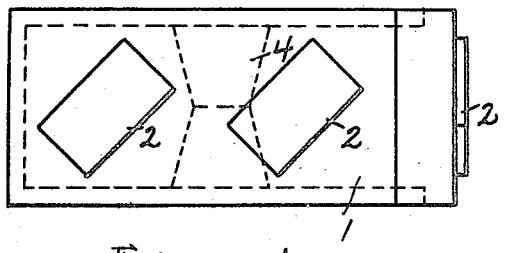
POURED CONCRETE CEMENT BLOCK.

APPLICATION FILED JUNE 26, 1920.

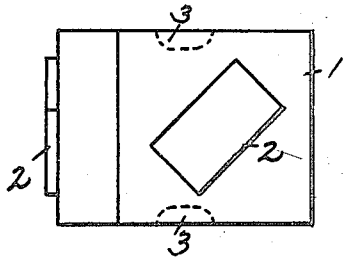
1,386,754.

Patented Aug. 9, 1921.

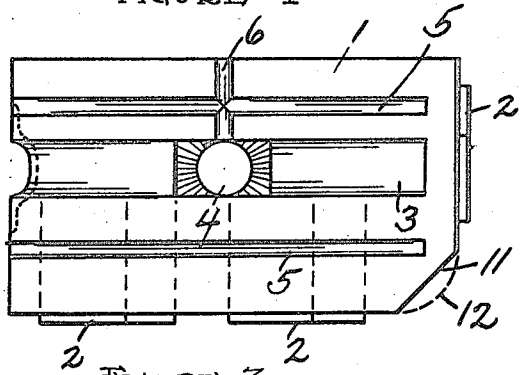
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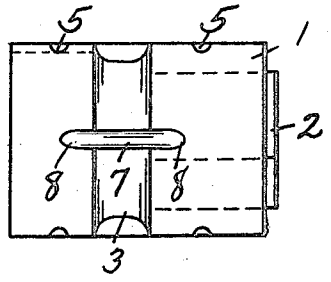
· FIGURE 1 ·



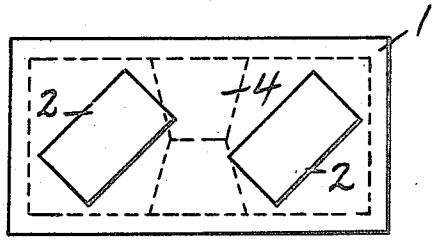
· FIGURE 2 ·



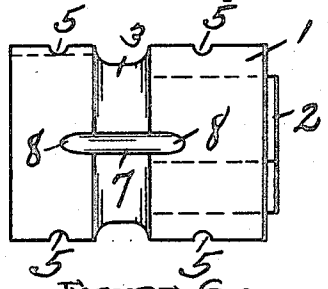
· FIGURE 3 ·



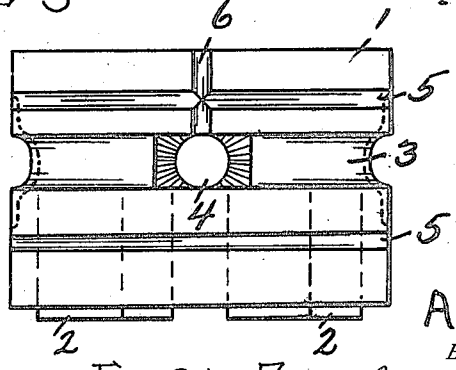
· FIGURE 4 ·



· FIGURE 5 ·



· FIGURE 6 ·



· FIGURE 7 ·

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1,386,754. Patented Aug. 9, 1921.

2 SHEETS—SHEET 2.

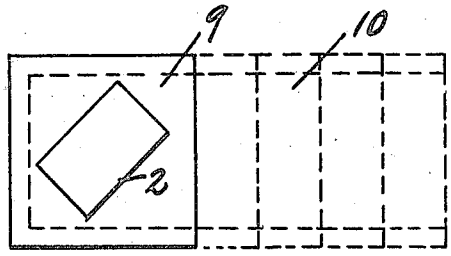


FIGURE 8.

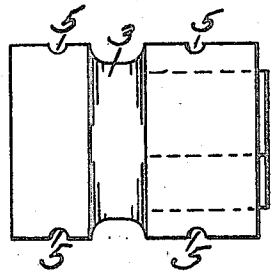


FIGURE 9.

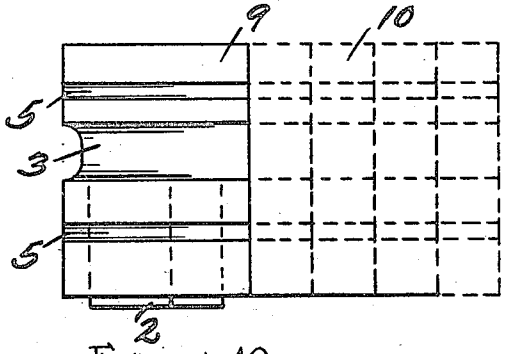


FIGURE 10.

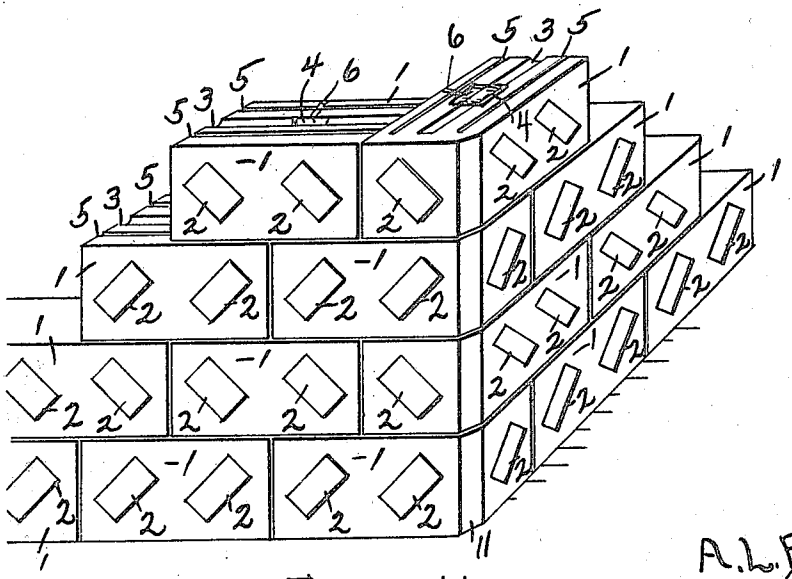


FIGURE 11.

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UNITED STATES PATENT OFFICE.

ALEXANDER L. BAXTER, OF MASURY STATION, OHIO.

POURED-CONCRETE-CEMENT BLOCK.

1,386,754. Specification of Letters Patent. Patented Aug. 9, 1921.

Application filed June 26, 1920. Serial No. 391,912.

To all whom it may concern:

Be it known that I, ALEXANDER L. BAXTER, a citizen of the United States of America, residing at Masury Station, in the county of Trumbull and State of Ohio, have invented certain new and useful Improvements in Poured-Concrete-Cement Blocks, of which the following is a specification.

This invention relates to poured concrete cement blocks. The principal object is to provide a block having a novel face structure.

Another object is to provide a block strong in structure, convenient to manufacture and reasonable in cost.

Another object is to provide a block with a bonding member.

Another object is to provide an air circulating system whereby the air may be taken from the basement and carried through the walls by means of vertical openings with convenient outlets at the upper portion of the wall.

Another object is to provide hand holds by means of oblong depressions at ends of all but end blocks. The outer ends of these depressions also acting as a bonding means.

A still further object is to mold a half brick with an end surface extending a suitable distance beyond the surface of the side or end of said blocks, or it is understood that parts or whole bricks may be used.

The invention will be more particularly described in connection with the specific description hereinafter to be given.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1— front face of corner block.
Fig. 2— end face of corner block.
Fig. 3— top of corner block.
Fig. 4— other end of corner block.
Fig. 5— front face of side wall block.
Fig. 6— end of side wall block.
Fig. 7— top of side wall block.
Fig. 8— front face of closing block.
Fig. 9— end of closing block.
Fig. 10— top of closing block.
Fig. 11— shows corner of wall laid up with these blocks.

By referring to Fig. 1 it will be seen I have provided a poured concrete cement block 1 showing ends of half bricks 2 molded therein, the end extending a desirable distance beyond surface of block 1.

By referring to Fig. 2 it will be seen that I have a half brick 2 molded therein and positioned so as to be in alinement with the projections of the ends of the half bricks 2 showing on the side surface of the poured concrete cement blocks 1.

By referring to Figs. 3, 4 and 7 it will be seen the top, ends and bottom of each block are provided with curved grooves 3, said grooves 3 being approximately one-half of a circle. When the blocks are laid up end to end and in tiers one upon the other, these grooves 3 form circular air chambers around the blocks 1, with the exception of the corner blocks.

By referring to Figs. 1, 3, 5 and 7 it will be seen each block has central flared vertical openings 4.

By referring to Figs. 3, 4, 6 and 7 it will be seen that when ends of said poured concrete cement blocks 1 are placed as shown in Fig. 11, that is each of said blocks breaking at one half the length of each of said blocks, circular air channels are formed by the vertical end grooves 3.

It will be seen by referring to Figs. 3, 4, 6, 7, 9, 10 and 11 that I have provided half round grooves 5 which are filled with cement in the laying process and for a wall tie.

By referring to Figs. 3, 7 and 11 it will be seen I have provided a half round groove 6 which has a double function. When the wall, say in a basement, is started the mason in laying the second tier should leave these grooves 6 open, and in laying the last tier at the top they should be left open, thereby forming inlets and outlets, for air to circulate through the wall by means of the grooves 3 and the flared vertical openings 4 and the vertical end openings.

In constructing the rest of the wall these half round grooves 6 are to be filled with cement and act as a wall tie.

By referring to Figs. 4 and 6 it will be seen that I have provided hand holds 7, the ends 8 of the same projecting over the groove 3, and is filled with cement, thereby forming a wall tie.

By referring to Figs. 8 and 10 it will be seen that I have provided a closing block 9 similar in construction to the block 1 with the exception of a plain end 10 which may vary in length to meet requirements.

In the construction of this improved building block it is obvious that it has a wide bearing surface and makes an exceptionally durable wall.

By referring to Figs. 3 and 11 it will be seen an octagon corner 11 or a rounded corner 12 may be used.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

In a poured concrete cement block, parts, halves or whole bricks molded therein so that the ends of same extend beyond the end or side surface of the block, substantially as described.

In testimony whereof I affix my signature.

ALEXANDER L. BAXTER.

Witnesses:

A. E. BURKY,

C. A. HARPMAN.