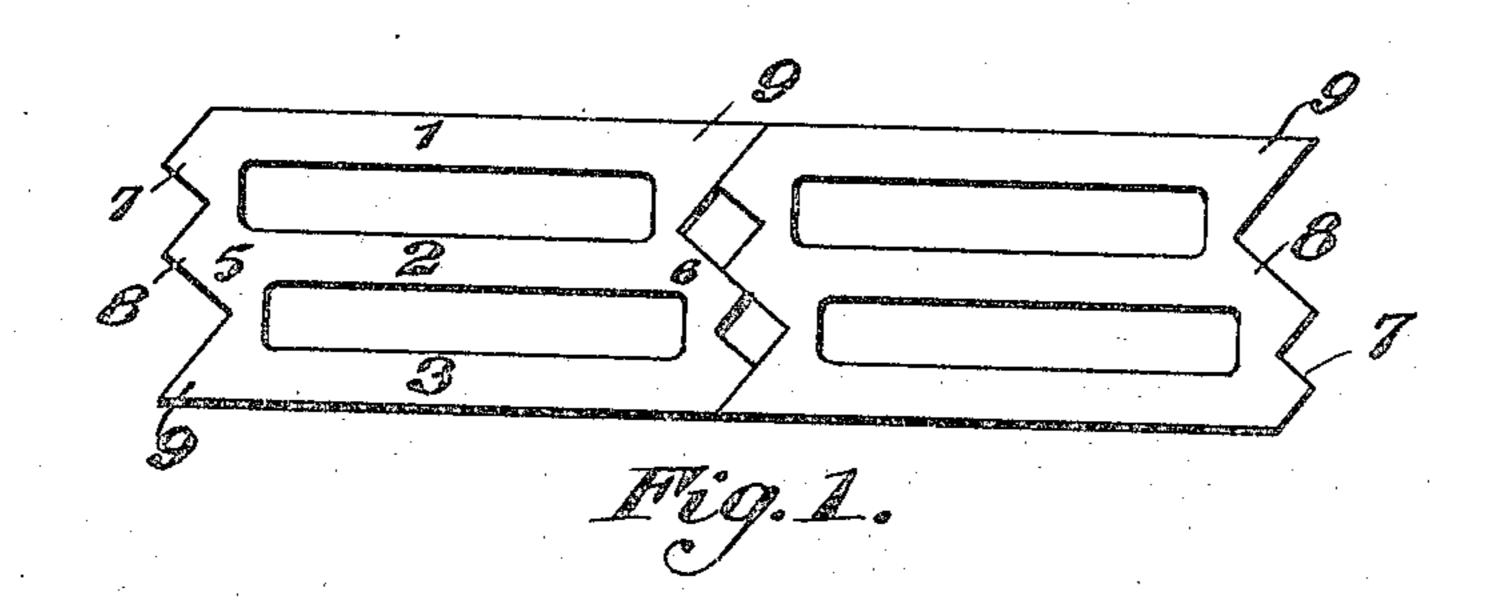
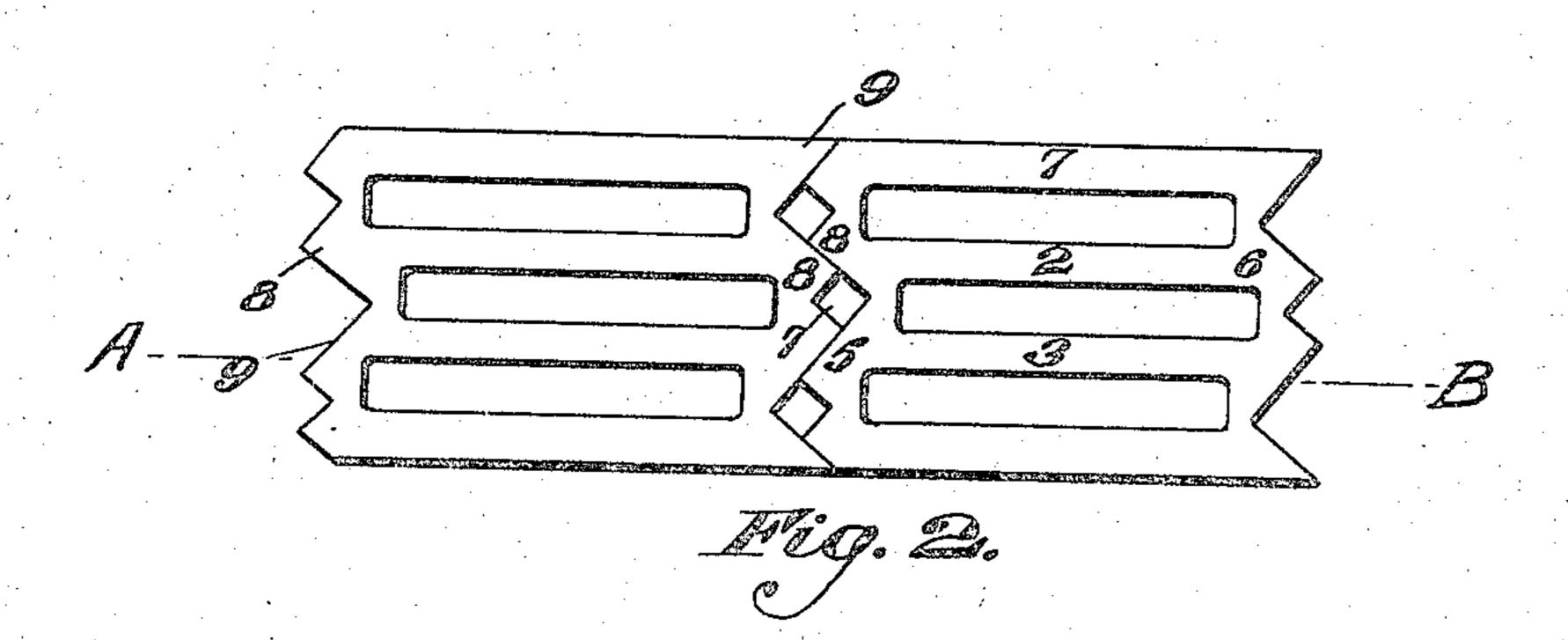
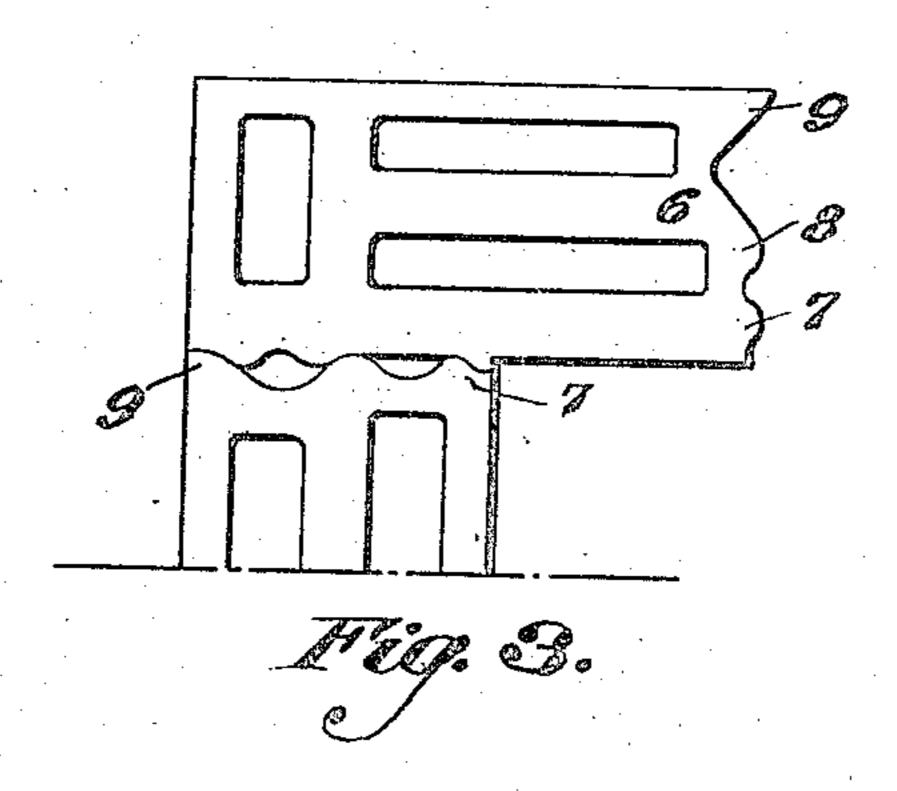
C. KINDSTRÖM.
HOLLOW BUILDING BLOCK.
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HOLLOW BUILDING BLOCK.

Application filed November 2, 1920. Serial No. 421,397.

To all whom it may concern:

Be it known that I. Carl Kindström, a blocks. subject of the King of Sweden, residing at In order that the invention and its mode as will enable others skilled in the art to the same. 10 which it appertains to make and use the In these drawings: same.

building blocks, having for an object to pro- and arranged in interengaged relationship; vide an improved hollow building block pro- Figure 2 is a similar view showing a a positive connection as between the same between when inter-engaged; and, and likewise, to provide air spaces between Figure 3 is a top view of another modifica-20 the connection of the juxtaposed blocks.

alent, wherein a plurality of spaced partitions or lamellæ are connected by vertical Having more particular reference to the

the opposite block, and thus effect positive 50 engagement; the vertical sides of said portions being plane and inclined at an angle to the axis of the block, or curved at the corresponding points forming the same angle to said axis, so that there will be formed 55 broad contact surfaces between the respec-

tive projecting portions of the juxtaposed

Stockholm, Sweden, have invented certain of application may be readily understood by 5 new and useful Improvements in Hollow workmen skilled in the art, I have in the ac- 60 Building Blocks; and I do hereby declare companying illustrative drawings and in the that the following is a full, clear, concise, detailed following description based thereand exact description of the invention, such on, set out several possible embodiments of

Figure 1 is a top view of two blocks con-This invention relates to improvements in structed in accordance with the invention

15 vided with means upon its opposite ends slightly modified form of the improved 70 adapted to interengage with the congruent blocks wherein their opposite extremities ends of juxtaposed blocks whereby to effect are formed to provide free air spaces there-

tion of the invention when the same is ap- 75 In hollow building blocks heretofore prev-plied to a corner block, two vertical air spaces being provided therebetween.

transverse neck portions substantially near drawings, in connection with which like char-25 each end of the block, these neck portions acters of reference will designate correspond- 80 being shaped so as to form air spaces between ing parts throughout, and referring in partwo blocks arranged together in endwise re-ticular to the construction shown in Figure lationship, the joint therebetween is com- 1, the several blocks shown therein are of paratively weak, particularly when the pro- the usual hollow tile type, comprising longi-30 jecting portions of the neck of one block tudinal partitions or lamellæ 1, 2 and 3, 85 abut against the corresponding portions of connected by transverse vertical necks the opposite block. Efforts have been made 5 and 6, which necks, in turn, are prowith a view towards providing a more posi- vided with longitudinal extensions or protive or tighter joint as by forming the end jections 7, 8 and 9 of equal length and in 35 portions or engaging portions of said blocks the same number as the lamellæ 1, 2 and 3. 90 with concavo-convex interfitting faces, but, The vertical sides of these projections are as will be understood, blocks of such con- inclined in relation to the lamellæ and by struction are irregular or unsymmetrical in reason of this, provide recesses therein, shape and therefore, less practical in use. which, as will be noted, are inclined in rela-The present invention relates to means tion to the lamellæ. These recesses, also, are 95 in form of congruent extensions upon the in line with the corresponding air spaces in adjacent or abutting ends of building blocks the blocks, but are of different widths, so for strengthening the point of jointure there- that one lateral projection, for instance, the between by forming the extensions or re-projection 7 is nearer to the central pro-45 cesses between the projecting portions of the jection 8 than the other projection 9. At 100 extensions unequal in width, so that two the opposite ends of the blocks, the projecprojecting portions of one block will enter tions and recesses between them are arranged the wider recess between the extensions of in a corresponding manner, but inversely, so that the wide recess in one end of one of the blocks is aligned with the narrow recess 105 in the other end thereof. Consequently when two blocks constructed in accordance with the invention are placed end to end, the two projections separated by the narrow recess in one block will enter the wider recess in 110

the opposite block, and the inclined faces or curved, which arrangement is preferable of the projections of one block will come in view of facilitating the moulding of the into overlapping engagement with the cor- blocks. responding faces of the opposite block. By It is to be understood that the blocks here-

cordance therewith is arranged in endwise recesses and intermediate portions at every relationship, three air spaces will be pro- corresponding point form an equal angle vided therebetween. In these particular to the axis of the block. blocks, the three air spaces are presented I claim: 20 thereby due to the arrangement of the 1. In a hollow building block having in- 70

25 shown in connection with the Figure 1, that site end of the block being inversely con- 75 tain of said projections alternating with end thereof. narrow recesses between the other projec- 2. In a hollow building block having in-

single air space, as indicated by the dotted being inversely congruent to said first pro-

shown in the Figure 1.

In the Figure 3, I have shown the invention applied to a corner block, one end responding point. of which is constructed in accordance with 3. In a hollow building block having the 40 that form of block shown in the Figure 1, opposite ends thereof formed with vertical 90 gular course, which latter, as will be noted, ferent widths and arranged whereby the is provided with projections upon one of wide recess between the projections on one 45 the longitudinal sides thereof and disposed end of the block is in alignment between the 95 so as to have overlapping engagement with projections upon the opposite end of the the adjacent end of the previously men-block, as and for the purpose set forth. tioned juxtaposed block. In this modifica- In witness whereof I have hereunto set tion, the ends of the projections and the my hand. 50 bottoms of the recesses are shown rounded

5 reason of this engagement as between the in shown and described are given as ex- 55 projections on the adjacent ends of the amples only, since the characteristic feablocks, air spaces will be provided between tures of the invention reside in the formthe same, each being formed by the wide re- ing of blocks having recesses in their oppocess in the end of one block and the narrow site ends differing in width and depth and 10 recess in the adjacent end of the opposite of such shape, that two adjacent recesses 60 block; the centers of the air spaces between and intermediate portions and intermediate the two blocks thus being out of alignment. portions of the neck at one end of the block In the Figure 2, I have shown a slightly are congruent to two adjacent recesses and modified form of the invention, wherein intermediate portions in the other end of 15 when a pair of blocks constructed in ac- the block, and that the lateral faces of the 65

lamellæ and the transverse vertical neck por- clined vertical projections formed on its options 5 and 6. The arrangement of the pro- posite ends, the projections on one of said jections 7, 8 and 9 upon the ends of the ends providing recesses of different widths blocks corresponds to the arrangement and depths and the projections on the oppois, wide recesses being formed between cer- gruent to the projections on the opposite

tions. Thus, in effect, by reason of the form-clined vertical projections formed on its 30 ing of the blocks with three air spaces, it opposite ends, said projections being formed 80 will be understood that this embodiment to provide vertical recesses therebetween alcorresponds with one block with two air ternating in width and depth, and the prospaces and a part of a second block with a jections on the remaining end of the block 35 line A-B according to the construction jections, the side faces of the recesses formed 85 between said projections forming an equal angle to the axis of the block at every cor-

having the projections 7, 8 and 9 on that inclined projections, said projections upon end adjacent the block in the next rectan- the opposite ends of the block being of dif-

CARL KINDSTRÖM.