No. 765,424. PATENTED JULY 19, 1904.

D. GRIGGS.

CONCRETE BLOCK MOLD.

APPLICATION FILED MAR. 25, 1904.

NO MODEL.

Fig. 1.

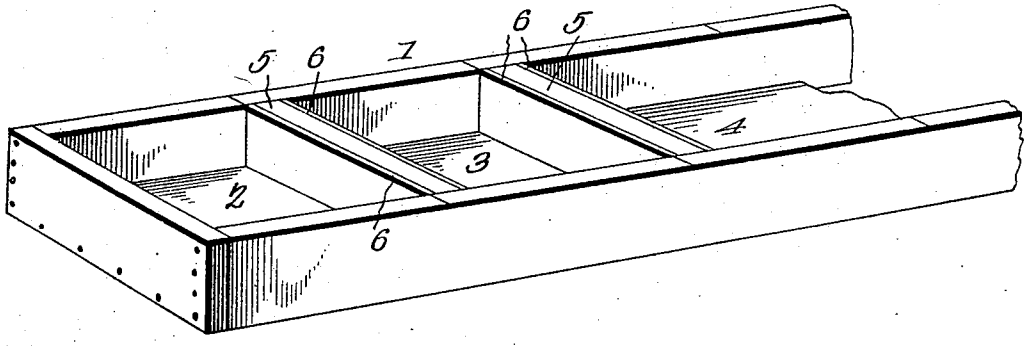
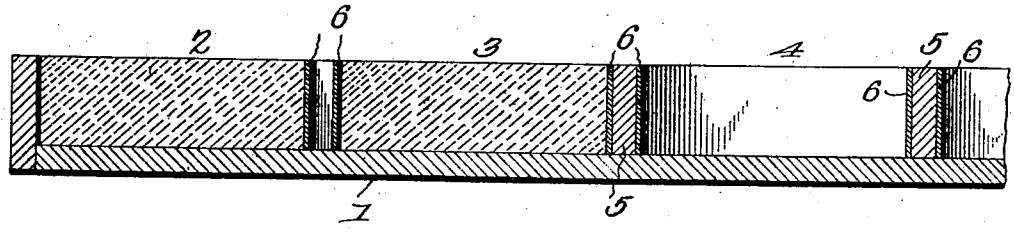


Fig. 2.



Witnesses

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No. 765,424. Patented July 19, 1904.

UNITED STATES PATENT OFFICE.

DANIEL GRIGGS, OF MONTOURSVILLE, PENNSYLVANIA.

CONCRETE-BLOCK MOLD.

SPECIFICATION forming part of Letters Patent No. 765,424, dated July 19, 1904.

Application filed March 25, 1904. Serial No. 199,947. (No model.)

To all whom it may concern:

Be it known that I, DANIEL GRIGGS, a citizen of the United States, residing at Montoursville, in the county of Lycoming and State of Pennsylvania, have invented a new and useful Concrete-Block Mold, of which the following is a specification.

My invention relates to molds for producing concrete or other artificial-stone blocks for use in the construction of buildings, pavements, or the like, and has for its objects to produce a simple inexpensive device of this character by which a continuous casting operation may be obtained and one wherein the movable partition may be withdrawn from between the blocks without damaging the edges of the latter.

To these ends the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a mold embodying my invention. Fig. 2 is a vertical longitudinal section of the same.

Referring to the drawings, 1 designates the mold, the sides 2 of which are arranged parallel and spaced apart according to the desired size of the block or blocks to be cast, the mold being of a depth suitable for the desired thickness of blocks. The mold 1, which will be of a length according to the nature of the blocks being cast, will in the production of square paving-stones be laid off in square sections 2 3 4, &c., these sections during the casting process being divided one from another while the casting material is in its plastic state by means of removable partitions 5, having applied on opposite sides thereof protecting members or sheets 6, composed, preferably, from pasteboard or the like.

In performing the casting operation I first place between the sections 2 and 3 and 3 and 4 removable partitions 5, each having disposed on opposite sides thereof the protecting sheets or members 6. I next fill the mold-section 2 with cement or concrete in its plastic state and level the upper face of the latter by passing a board or trowel thereover, the surplus material during this action being swept into the adjacent section 3, which latter is in turn filled and leveled while the material in section 2 is settling and hardening. I next withdraw the partition 5 from between the sections 2 and 3, leaving in position, however, the protecting members or plates 6, which thereby prevent damaging the edges of the adjacent blocks, owing to withdrawal of the partition. The latter is then inserted between the section 4 and next adjacent section to permit of the section 4 being filled while the material in section 3 is setting and hardening, after which action the partition between sections 3 and 4 is withdrawn and in turn arranged between the next pair of empty sections, this movement of the partitions being repeated and continued until the casting operation is completed or, that is, until the entire length of mold has been used. Thus during the casting operation, which is rendered continuous, I employ only a pair of the partitions 5, but as many of the protecting members 6 as may be needful, in order to allow the latter to remain in position after the partitions have been withdrawn, whereby they will prevent breakage of the blocks through the action of frost.

From the foregoing it is apparent that I produce a simple device admirably adapted for the attainment of the ends in view, it being understood, however, that changes in the form and proportions of the mold adapting it for the production of other types of blocks than that herein described may be resorted to without departing from the spirit of the invention.

Having thus described my invention, what I claim is—

1. The combination with a mold, of a plurality of removable partitions arranged therein, and protecting members disposed upon opposite sides of the partitions, the latter being removable from the mold independently of the members.

2. The combination with a mold divided into sections, of a pair of removable partitions adapted for successive arrangement between the sections, and protecting members disposed upon opposite sides of the partitions, the latter being removable from the mold independently of the members.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

DANIEL GRIGGS.

Witnesses:
J. E. CALLAHAN,
JOHN H. CLEES.