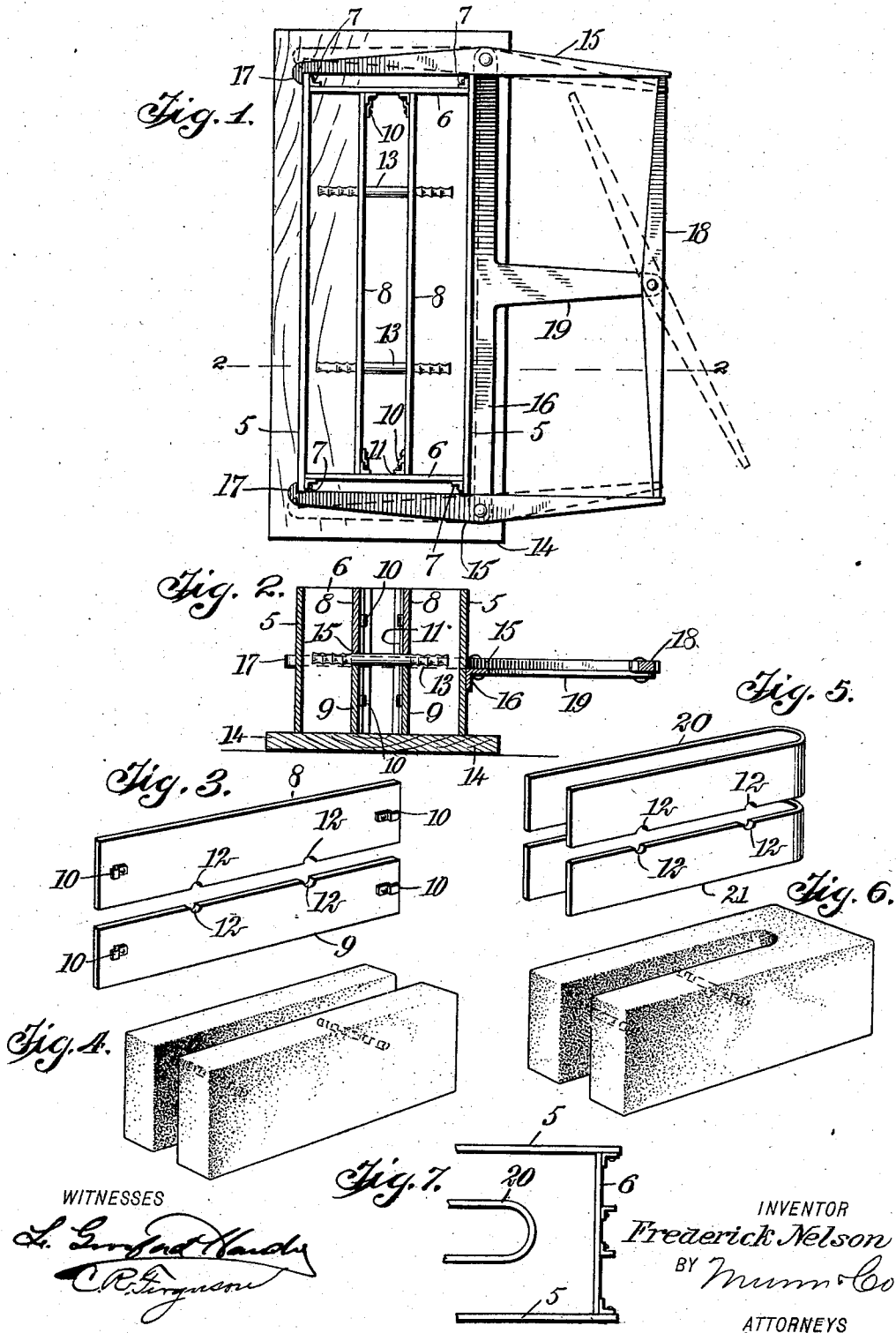


No. 857,413.

PATENTED JUNE 18, 1907.

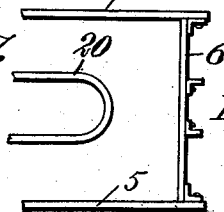
F. NELSON.
MOLD FOR ARTIFICIAL STONE.
APPLICATION FILED NOV. 9, 1906.



WITNESSES

L. S. G. and Handy
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Fig. 7.



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UNITED STATES PATENT OFFICE.

FREDERICK NELSON, OF MENOKEN, NORTH DAKOTA.

MOLD FOR ARTIFICIAL STONE.

No. 857,413.

Specification of Letters Patent.

Patented June 18, 1907.

Application filed November 9, 1906. Serial No. 342,650.

To all whom it may concern:

Be it known that I, FREDERICK NELSON, a citizen of the United States, and a resident of Menoken, in the county of Burleigh and State of North Dakota, have invented a new and Improved Mold for Artificial Stone, of which the following is a full, clear, and exact description.

This invention relates to improvements in molds for forming building blocks of concrete, the object being to provide a mold by means of which the blocks may be readily shaped and so formed that a completed wall will have a continuous air passage or space from top to bottom.

I will describe a mold embodying my invention and then point out the novel features in the appended claims.

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 shows in plan a mold embodying my invention; Fig. 2 is a section on the line 2—2 of Fig. 1; Fig. 3 is a perspective view of one of the spacing partitions employed; Fig. 4 is a perspective view of one form of block made in the mold; Fig. 5 is a perspective showing a modification as to the partition in a mold for forming corner blocks; Fig. 6 illustrates a corner block; and Fig. 7 is a fragmentary plan of a corner block mold.

Referring first to the example of my improvement of mold for forming the main blocks of a wall, 5 designates the side boards of the mold and 6 the end boards. The said end boards are detachably connected to the side boards. As here shown the side boards are provided at the ends with cleats 7 with which said end boards engage. Removably arranged in the mold are spaced partition boards which consist of an upper section 8 and a lower section 9, these sections being provided at the ends with hook members 10 for interlocking with clips 11 secured to the inner sides of the end boards. The adjacent edges of the partition sections are provided with notches 12 which, when the sections are placed together, form openings through which metal tie rods 13 are designed to pass for securing the two sections of a block together, as clearly indicated in Fig. 4. To cause the rods to engage closely in the sections of a block the said rods are corrugated or circumferentially ribbed at the ends.

When the several sections of the mold are assembled and placed upon a base board 14 they are securely locked together by means of a clamping device consisting of jaw-like members 15 pivotally connected with a cross bar 16 which is designed to engage with one of the side boards of the mold, while the inner ends of said jaws have hook portions 17 for engaging with the ends of the opposite side boards, as shown in Fig. 1. The jaws are held in clamping position by means of a clamping lever 18 mounted to swing on an arm 19 extended outward from the bar 16, the ends of said lever being designed to engage against the inner sides of the outer projections of the clamping jaws.

In forming a block in this mold the concrete is placed in the spaces between the partition and the side boards and allowed to harden. After the hardening the clamping device is removed so that the several members of the mold may be readily detached from the block.

In a corner block it is obvious that the outer end of the block must be closed, and for molding the same I employ a partition consisting of upper and lower sections 20—21 consisting of metal or other suitable material and each section being substantially U-shaped or closed at one end and designed to be inserted within the mold, as indicated in Fig. 7. In this last mentioned mold the block indicated in Fig. 6 is formed.

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

1. A mold for the purpose specified, comprising side boards, end boards having detachable connection with the side boards, a clamping device comprising jaws, a bar to which said jaws are pivoted, the said bar being designed for engagement with one of the side boards, the free ends of the jaws being provided with hook portions for engaging with the opposite side boards, the said jaws having outward projections, and means connected with the bar for engaging the projections of the clamping jaws.

2. A mold for the purpose specified, comprising side boards, end boards having detachable connection with the side boards, a clamping device comprising jaws, a bar to which said jaws are pivoted, the said bar being designed for engagement with one of the side boards, while the free ends of the jaws

have hook portions for engaging with the
opposite side boards, the said jaws having
outward projections, an arm extended from
the bar, and a clamping lever mounted to
5 swing on said arm and adapted to engage
with said projections.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

FREDERICK NELSON.

Witnesses:

H. E. FINNEY,
W. L. WILTON.