No. 859,112. PATENTED JULY 2, 1907.

L. ROEHR.

ROUGH BOX MOLD.

APPLICATION FILED MAY 6, 1907.

2 SHEETS—SHEET 1.

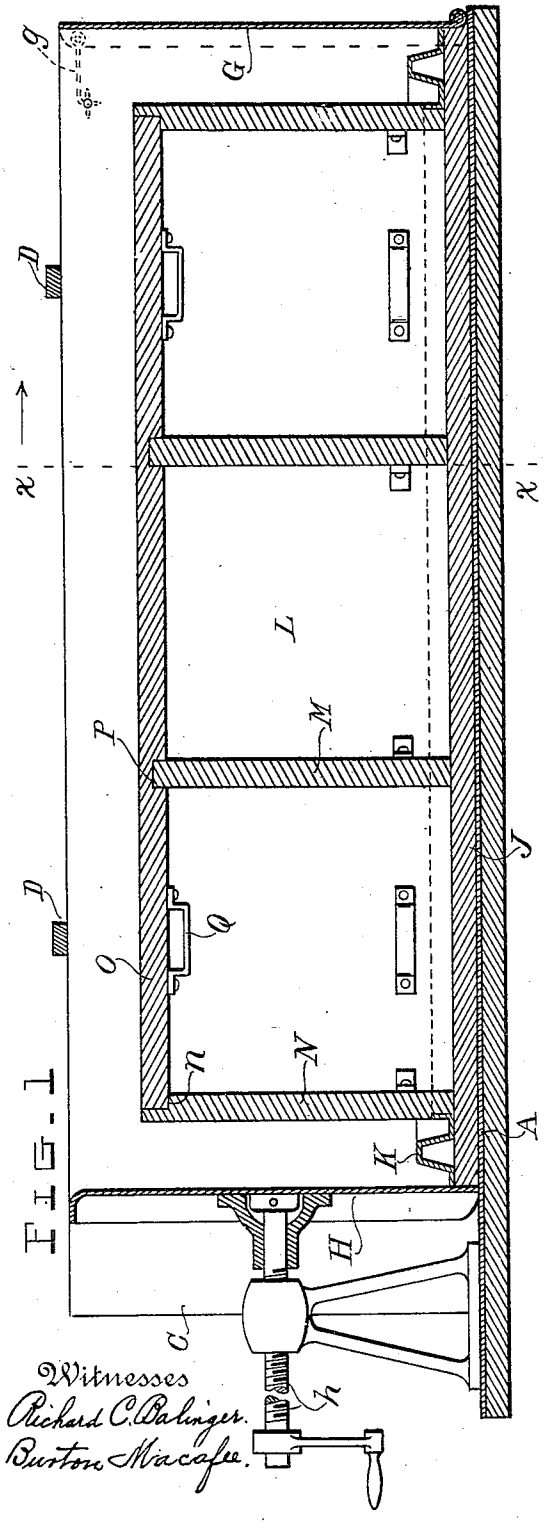

FIG. 1

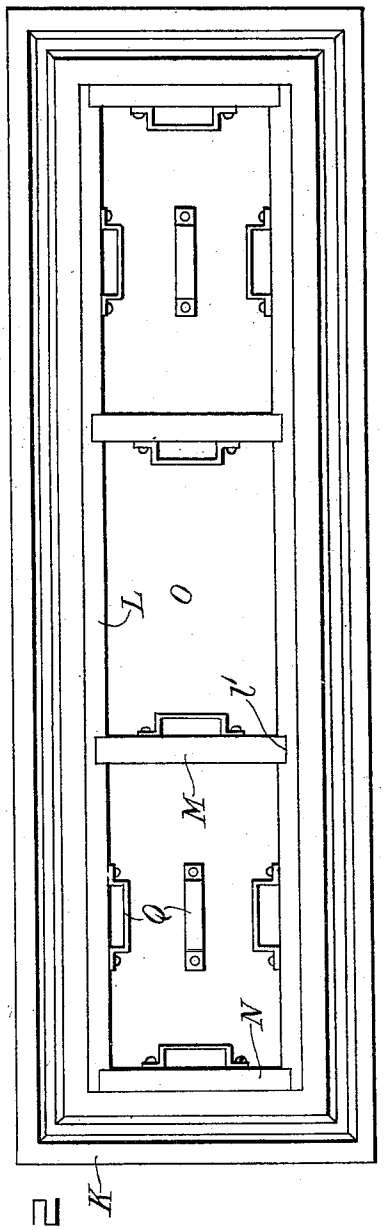

FIG. 2

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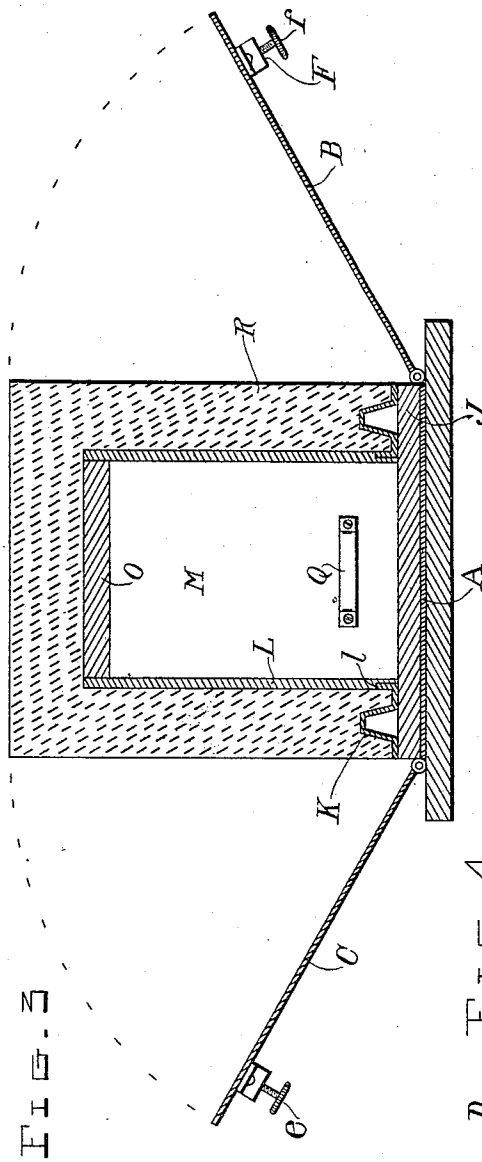

FIG. 3.

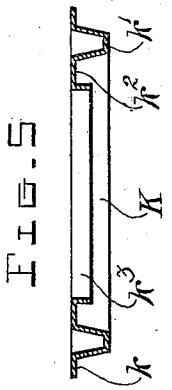

FIG. 5.

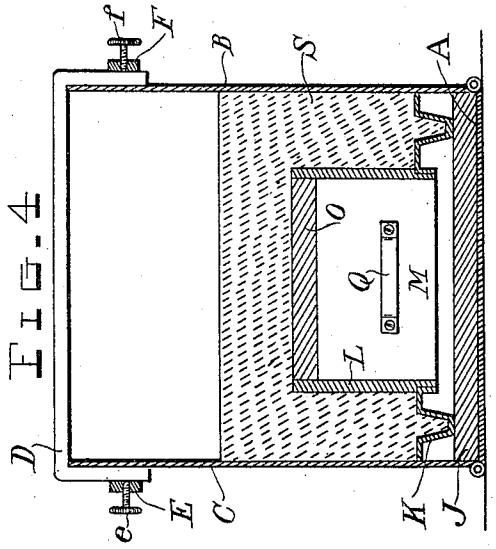

FIG. 4.

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UNITED STATES PATENT OFFICE.

LEO ROEHR, OF ALBANY, NEW YORK.

ROUGH-BOX MOLD.

No. 859,112. Specification of Letters Patent. Patented July 2, 1907.

Application filed May 6, 1907. Serial No. 372,214.

To all whom it may concern:

Be it known that I, LEO ROEHR, a citizen of the United States, residing at Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Rough-Box Molds, of which the following is a specification.

My invention relates to rough box molds for the purpose of forming suitable receptacles designed to receive burial caskets, and for use in lieu of the customary wooden rough box placed in the grave and into which the coffin is lowered.

Boxes for the purpose made in molds of the class to which my invention belongs, are usually intended to be sealed against air and moisture by means of cement material substantially of the same nature as that of which they are formed. To that end, they are constructed one part with a groove and another part with a tongue to engage the groove.

In those examples with which I am acquainted, the sealing material is placed in the groove formed in the edge of the lower part of the box and the tongue formed on the edge of the upper part of the box enters the groove and the weight of the upper part of the box presses the tongue into the plastic substance in the groove.

It is the object of my invention to construct a mold for making the rough boxes in two parts and forming the groove and tongue thereon, the mold having special construction and particular arrangement of elements whereby it is believed such boxes may be more quickly and cheaply molded, and the mold more convenient to operate than other molds for like use known to me.

I accomplish the stated object by fashioning and associating the various parts as illustrated in the accompanying drawings, of which

Figure 1 represents a vertical section lengthwise. Fig. 2 is a plan view of the core box and the tongue and groove mold together as they are shown in Fig. 1, but inverted with respect to their joint position in that figure. Fig. 3 is a cross-section on line x—x of Fig. 1, the sides being shown partly opened, and a section of a rough box being shown in the mold. The portion of the rough box illustrated in section in Fig. 3 is the lower part, a groove being molded in its edge. Fig. 4 is a cross-section similar to that shown in Fig. 3, the sides of the mold being vertical and the top part of the rough box being shown in the mold, having a tongue formed upon its edge. Fig. 5 is a cross-section of the metal tongue and groove mold alone.

Like letters of reference are used to refer to the same parts throughout.

To a suitable base plate A are hinged the sides B and C, and those sides are held vertical when desired by means of the top yokes D. The ends of the yokes pass downwardly outside the sides B and C and through socket brackets E and F. By means of the set screws e and f, the yokes D are secured in position and the sides cannot be displaced either inwardly or outwardly. They are held vertical. The yokes D are quickly removable by loosening the set screws.

I do not confine myself to the precise form of yoke and fastening illustrated and described, as it may obviously be modified in various ways.

The hinged end wall of the mold is marked G, and one of the hooks by which it is held vertical in connection with the sides is indicated in Fig. 1 and designated by small letter g. The opposite end wall H is adjustable towards or from the end wall G, to permit rough boxes of differing length to be made with the same mold, by introducing a different tongue and groove mold as hereinafter explained. The adjusting screw h advances or withdraws the wall H as shown by devices set forth in Fig. 1.

It is convenient to use within the mold a bed board J, upon which the part of the box formed may be easily raised and taken from the mold to dry or harden or for other desired purpose. On the board J is first placed the sheet metal tongue and groove mold K. This element of my invention possesses a number of distinguishing features, namely, the outer horizontal flange k, the hollow tongue k' which constitutes exteriorly the groove mold and interiorly the tongue mold for the rough box, the inner horizontal flange k^2 and the downwardly-extending flange k^3, as best illustrated in Fig. 5.

The core of my invention about which the cement material is packed in making the parts of the rough box is composed of the side boards L, the division or partition boards M which suitably brace the side boards against any inward pressure, and the end boards N. The sides, divisions and ends are all removable. In other words, the box-like portions which I term the cores are composed of parts that are not secured one to the other.

The remaining features of my invention may best be explained in connection with the mode of operation.

In assembling the core box and tongue and groove mold as illustrated in Fig. 3, the rabbet 1 of the side walls L engages the edge of the now vertical inner flange k^3 of the tongue and groove mold. The end boards N of the core box are also rabbeted along their lower outer edges as shown. The division boards M engage the recesses l' in the side boards, as best shown in Fig. 2, and also the recesses in the top board O of the core box, those recesses being designated by the letter P. The top inner edges of the end boards N have the rabbets n adapted to receive the top board O, and, the side boards L are also provided with like rabbets to receive the top O. My invention is to provide a core exteriorly smooth to fashion the interior of the rough box. It will be observed that each side

board, end board, partition and the top of the core box is provided with one or more handles Q.

Let it be desired to mold the lower part R of a rough box. The tongue and groove mold K is placed with its portion k' arranged to form a groove in the cement. After the material has hardened to the proper extent, the sides B, C, and end walls G and H are lowered and withdrawn, and the part R of the rough box taken out upon the bed board J. The tongue and groove mold K and the core box are still in contact with it. Now, if the part R be inverted and bed board J taken away, the other elements will be in the positions illustrated in Fig. 2, whereupon, the tongue and groove mold may be removed, and each part of the core box detached and lifted out by handles Q. The operation is exactly the same in all respects to mold the upper part S of the rough box, excepting that the tongue and groove mold K is arranged to form a tongue instead of a groove.

Having now described my invention and explained the mode of its operation, what I claim is—

1. In a rough box mold, the combination with the external mold, of a core, and an invertible and detachable molding device constructed to form elevations and depressions in the parts of the rough box, substantially as described.

2. In a rough box mold, the combination with the external mold, of a core, and a detachable and invertible tongue and groove mold constructed to form a tongue and groove in the parts of the rough box, substantially as described.

3. In a rough box mold, the combination with the external mold having an adjustable end wall, of a core, and a detachable and invertible molding device constructed to form elevations and depressions in the parts of the rough box, substantially as described.

4. In a rough box mold, the combination with the external mold having movable walls, of a core, and a detachable and invertible molding device constructed to form elevations and depressions in the parts of the rough box, substantially as described.

5. In a rough box mold, the combination with the external mold, of a core comprising separable and removable portions, and a detachable and invertible molding device constructed to form elevations and depressions in the parts of the rough box, substantially as described.

6. In a rough box mold, the detachable tongue and groove mold comprising an elevated hollow portion adapted to be inverted and to form a tongue and groove on the parts of the rough box, and horizontal flanges adjacent to the said elevated hollow portion, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

LEO ROEHR.

Witnesses:
W. E. WOOLLARD,
HARRY B. WOOLLARD.