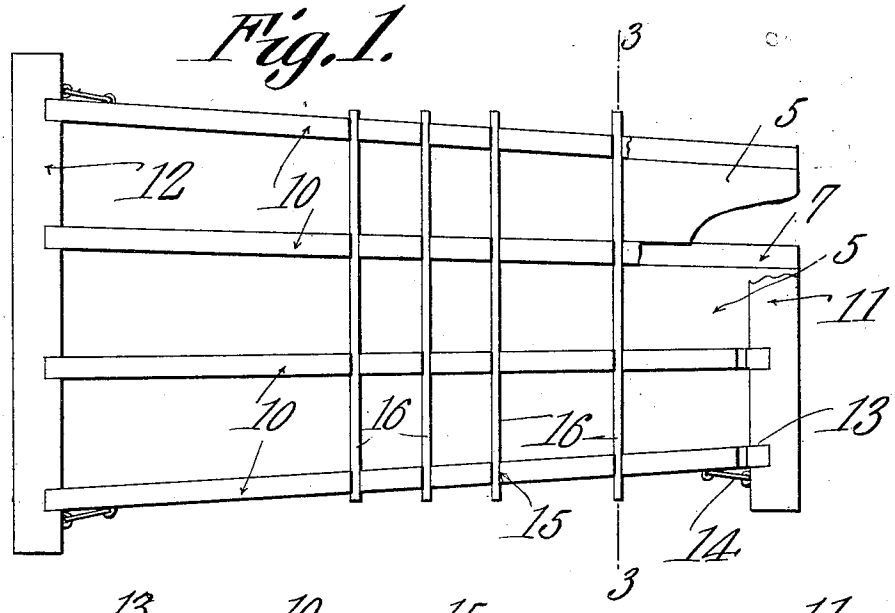
P. S. McKENZIE.

MOLD.

APPLICATION FILED NOV. 13, 1909.

954,687. Patented Apr. 12, 1910.

Fig. 1.



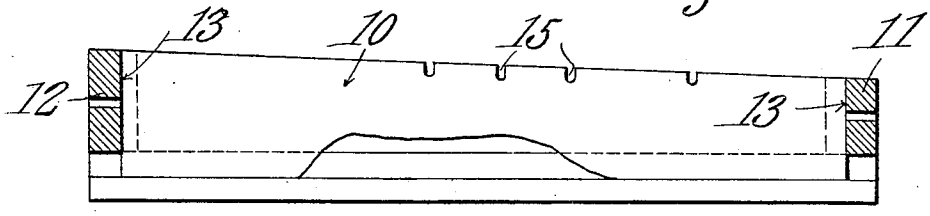


Fig. 2.

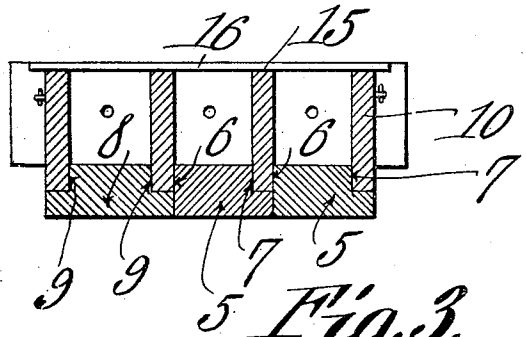


Fig. 3.

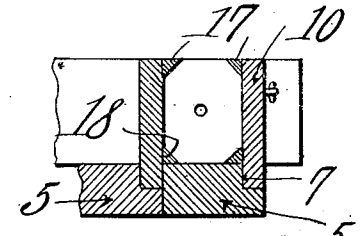


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

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MOLD.

954,687. Specification of Letters Patent. Patented Apr. 12, 1910.

Application filed November 13, 1909. Serial No. 527,928.

To all whom it may concern:

Be it known that I, PETER S. McKENZIE, a citizen of the United States, residing at Cement, in the county of Caddo and State of Oklahoma, have invented a new and useful Mold, of which the following is a specification.

It is the object of the present invention to provide an improved construction of mold and the invention aims primarily to provide an improved post mold.

One novel feature of the invention resides in the construction of the pallet of the mold in a plurality of sections, which sections are so constructed that they may be readily packed in small space for shipment, but when set up for use will aid in supporting the division plates of the mold and will further prevent the flow of material from one mold compartment to another. Ordinarily, the division plates of molds of this type merely rest at their edges upon the upper surface of the pallet of the mold and when it is desired to mold but a single post, the material to be molded is liable to flow or leak from one compartment into another beneath the lower edge of the division plate, but by so forming the pallet of the mold in the present invention that it will receive and confine the lower edges of the division plates of the mold, this flow of material from one mold compartment to another is obviated and spreading of the division plates is also prevented.

In the accompanying drawings,—Figure 1 is a top plan view of a mold constructed in accordance with the present invention. Fig. 2 is a vertical longitudinal sectional view therethrough. Fig. 3 is a vertical transverse sectional view on the line 3—3 of Fig. 1; and Fig. 4 is a view similar to Fig. 3 but showing a slightly modified form of the invention.

In the drawings, the pallet of the mold is illustrated as made up of a number of sections and certain of these sections indicated by the numeral 5 are of counterpart structure, they being preferably in the nature of tapered boards each having a plane edge 6 and a rabbeted edge 7. In addition to the sections 5, the pallet includes a section 8 which has both of its edges rabbeted as at 9. In assembling the several sections of the pallet, they are disposed with their longitudinal edges abutting and as will be observed from an inspection of Fig. 3 of the drawings, the rabbeted edge 7 of the intermediate section, there being three sections shown in the drawing, is disposed against the plane edge 6 of the outer one of the sections 5 so that a groove is afforded between the walls of the rabbet and that portion of the plane edge of the last mentioned section 5 which opposes the vertical wall of the rabbet. In a like manner, one rabbeted edge of the section is disposed against the plane edge of the intermediate section 5 and when the sections have been so assembled, there will be afforded a plurality of grooves and also two rabbeted edges which are presented at the sides of the mold.

The division plates of the mold are indicated by the numeral 10 and are tapered from end to end and are disposed at their lower edges in the grooves afforded by the rabbeted and plane edges of the assembled pallet sections, it being observed that the outermost ones of the division plates are fitted at their lower edges in the rabbets which are presented at the sides of the mold and the intermediate ones of the division plates are seated at their lower edges upon the bottom walls of the respective rabbets and are confined between the vertical walls of each rabbet and the opposing portions of the plane edges of associated sections of the pallet. The division plates 10 are supported in upright position, not only by reason of the fact that their lower edges seat in the grooves and rabbets in the composite pallet, but also by end pieces one of which is indicated by the numeral 11 and the other by the numeral 12, the end piece 11 being of less length than the piece 12. Both of these end pieces are formed in one face with vertical grooves 13 receiving the end edges of the division plates 10 and in order to hold the end pieces 11 and 12 assembled with the division plates, there are provided hooks 14 which connect the outermost ones of the division plates and the ends of the end pieces 11 and 12. It will be observed that by tapering the division plates and also the sections of the composite pallet, gradually restricted mold compartments are afforded so that a post molded in the compartment will be tapered from one end to the other. It will be observed further from an inspection of the several figures of the drawings that the upper edges of the division plates are formed each with a plurality of notches indicated by the numeral

15 which notches receive rods 16 disposed loosely therein, in the manner illustrated in Figs. 1 and 3 of the drawings and when the plastic material is poured into the mold compartment and sets, the rods 16 will form, in one face of the post molded in each compartment, a number of transverse or horizontal grooves which are adapted to receive the line wires of the fence of which the posts form a part.

In the form of the invention shown in Fig. 4 of the drawings, the division plates are illustrated as provided at their upper edges with molding strips 17 which are preferably triangular in cross section although they may take any other desired form and similar strips 18 are located at the edges of the pallet sections so that the corners of the post molded in the compartment will be afforded a bevel or may be rounded or have practically any desired configuration.

From the foregoing description of the invention it will be seen that there is provided a mold in which the pallet is of composite structure and in which the lower edges of the division plates of the mold are received in grooves so as to prevent leakage of the plastic material from each edge of the division plates and from one mold compartment into another. It will further be seen that the division plates are supported not only by the end sections 11 and 12 into which their ends are fitted, but also by reason of the reception of their lower edges in the rabbets or grooves in the pallet section of the post.

What is claimed is:—

In a mold, a pallet comprising a plurality of sections, certain of said sections being of counterpart structure and being disposed edge to edge and having each a plane and a rabbeted edge, the plane edge of one section being disposed against the rabbeted edge of the other section, and another pallet section having two rabbeted edges, and division plates fitted one at its lower edge in the rabbet in the outer edge of the last mentioned section of the pallet, the other division plates being fitted at their lower edges in the rabbets in the edges of the other sections and confined each between the vertical wall of its respective rabbet and the opposing portion of the abutting edge of the next adjacent section.

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

PETER S. McKENZIE.

Witnesses:
F. M. Estes,
Anna B. Estes.