Nov. 8, 1932. W. B. LE GANGER 1,886,486

TOY MOLD

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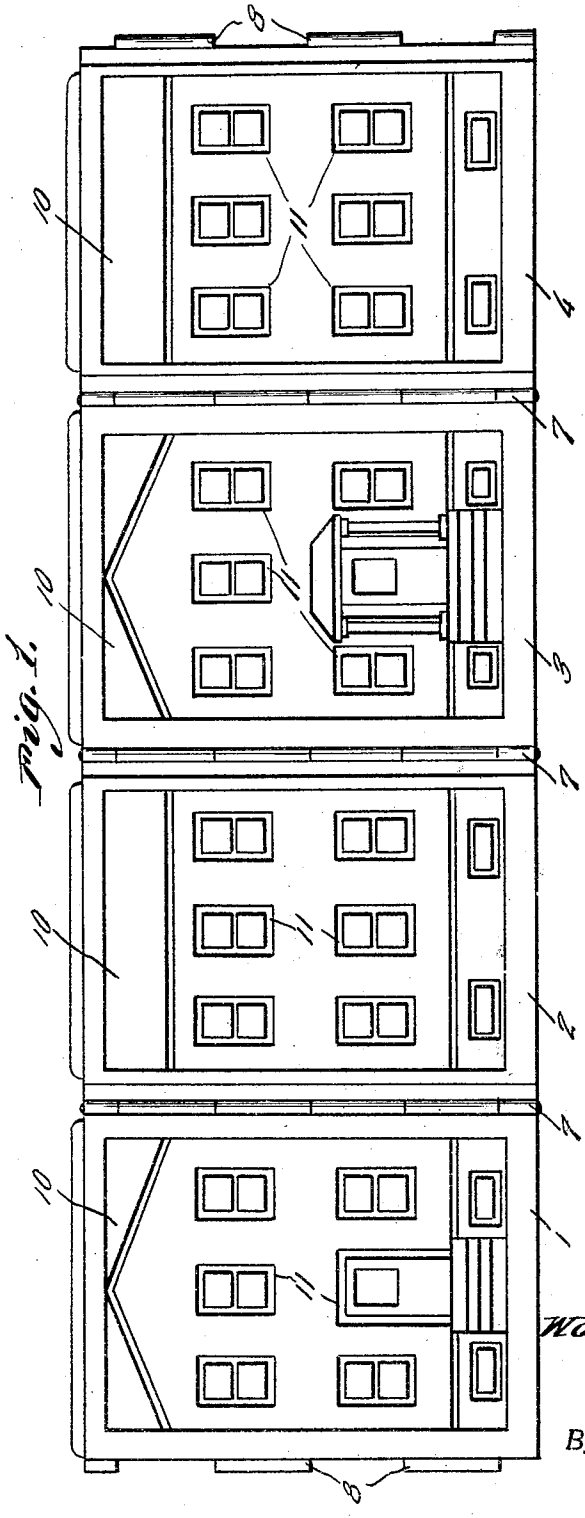


Fig. 1.

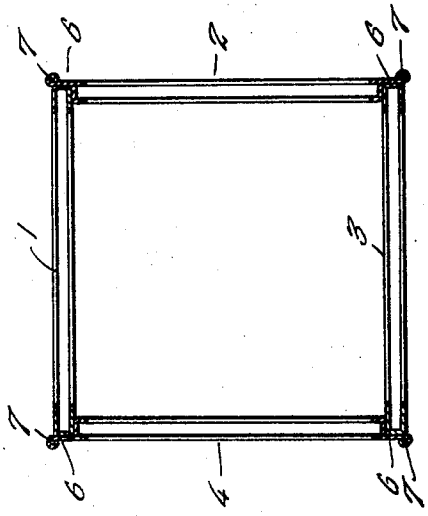


Fig. 2.

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Fig. 4.

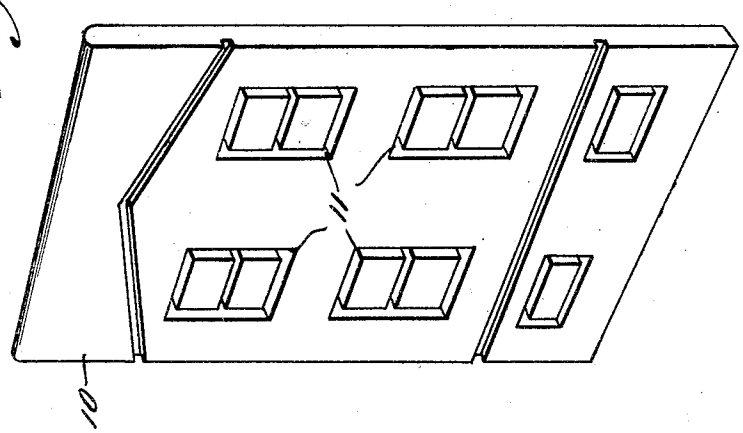
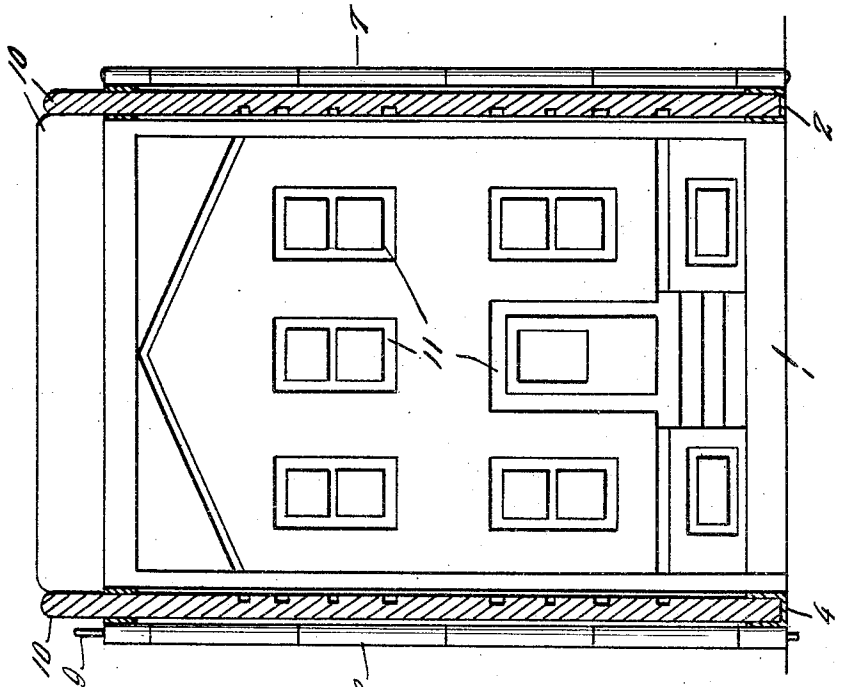



Fig. 5.




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# UNITED STATES PATENT OFFICE

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## TOY MOLD

Application filed September 10, 1931. Serial No. 562,149.

The present invention relates to a toy mold of the general type illustrated and described in my co-pending application which bears Serial No. 483,660, filed by me under date of September 22, 1930, and upon which this application constitutes an improvement.

An important object of the present invention is to provide a toy mold for forming in sand, snow, mud and the like representations of various types of building, the invention comprising a mold in the form of a frame formed by a plurality of hingedly connected skeleton sections which are adapted for the reception of removable cores or panels having incisions or channels therein defining the windows, doors, and other features of the various types of buildings to be formed in miniature.

Other objects of the invention are to provide a mold of the character set forth which will be simple in construction, strong, durable, efficient and reliable in use and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:—

Figure 1 is a view in elevation of a toy mold constructed in accordance with this invention showing the same in open or unfolded position.

Figure 2 is a view in horizontal cross section through the mold showing the same in closed position.

Figure 3 is a view in vertical section through the mold showing the same in closed position.

Figure 4 is a detail view in perspective of one of the removable cores or panels constituting an important feature of the invention.

Referring to the drawings in detail, it will be seen that the reference numerals 1, 2, 3 and 4, designate a plurality of substantially rectangular sections of skeleton form and constructed of any suitable material, preferably metal which constitutes a frame. One of the vertical edges of each of the sections 1 to 4, inclusive, is provided with a lateral extension 6 of single ply metal. Adjacent vertical edges of the sections are hingedly connected together for swinging movement by the hinges 7. The side portions of the sections which are adjacent each of the extensions 6 are adapted to engage or seat in the angle provided by said extensions 6 and the adjacent side of the sections from which said extensions 6 project as illustrated to advantage in Figure 2 of the drawings.

The free ends of the sections 1 and 4 are provided with co-acting eyes 8 which are disposed in vertical alignment with each other when the sections are in folded or closed position for the reception of a removable locking pin or rod 9 (see Figure 3). The side and lower portions of the sections are formed substantially U-shaped in cross section to provide channels. The sections are open at their upper ends, the upper portions of said sections being formed of a pair of flat opposed strips extending between the side portions of the sections and formed integrally therewith. The upper ends of the sections are open, as above stated, for the reception of the removable cores or panels 10 which are reversible and which have formed in their opposite sides grooves or incisions 11 which define windows, doors, porches and other physical features of various types of buildings. The panels 10 are of slightly greater length of height than the sections 1 to 4, inclusive, and consequently project slightly thereabove to facilitate the removal of said panels from the sections when it is so desired.

In use, the desired panels 10 are inserted in the sections 1 to 4, inclusive, after which the sections are secured in folded or closed position by the pin 9 which, as before stated, is inserted through the vertically aligned eyes 8 of the sections 1 and 4. It will thus be seen that a substantially rectangular enclosure is provided which is open at its upper and lower end. The material is then packed in the mold end, of course, enters the incisions or channels 11. After the material has had time to set, the pin or rod 9 is removed and the sections are swung to open position and the op-

eration has been completed. As before stated, the panels 10 are removable and reversible and as many of said panels may be provided as desired, all of the same being of the same size.

It is believed that the many advantages of a device in accordance with this invention will be readily understood, and although the preferred embodiment of the invention is as illustrated and described, it is to be understood that changes in the details of construction may be had which will fall within the scope of the invention as claimed.

What is claimed is:—

1. A mold comprising a plurality of hingedly connected sections of skeleton form and open at their top, and panels removably insertable in the sections through the open tops thereof, said panels having defined thereon representations of the physical features of a structure.

2. A mold comprising a series of hingedly connected, substantially rectangular sections of skeleton form, the outermost sections of the series having one side free and provided with means for detachably connecting said outermost sections together, and panels removably insertable in the sections and having incisions therein defining the physical features of buildings.

3. A mold comprising a series of hingedly connected sections of skeleton form, said sections being open at their top, means for detachably connecting the outermost sections together, and removable panels slidably insertable in the sections through the open tops thereof, said panels projecting above the upper ends of the sections when disposed in position therein.

4. A mold comprising a series of hingedly connected sections of skeleton form, means for detachably connecting the outermost sections together, said sections being open at their tops, the tops of the sections comprising a pair of spaced, opposed, transversely extending strips, the sides and lower portions of the sections being substantially U-shaped in cross section to provide communicating channels, and removable panels slidably insertable in the sections through the open tops thereof.

5. A mold comprising a series of hingedly connected sections of skelton form, means for detachably connecting the outermost sections together, said sections being open at their tops, the tops of the sections comprising a pair of spaced, opposed, transversely extending strips, the sides and lower portions of the sections being substantially U-shaped in cross section to provide communicating channels, and removable panels slidably insertable in the sections through the open tops thereof, said panels having their opposite sides provided with incisions defining the physical features of a building, said panels projecting above the tops of the sections when disposed in position in said sections.

6. A mold comprising a series of sections of skeleton form, each of the sections having vertical side portions and lower portions of substantially U-shaped cross section providing communicating channels, said sections being open at their tops, the upper portions of the sections comprising a pair of transversely extending, spaced, opposed strips, extensions formed integrally with and projecting laterally from one side of each of the sections, hinges on the extensions and the adjacent sides of the sections for pivotally connecting said sections together, means for detachably connecting the outermost sections together, removable panels slidably insertable in the sections through the open tops thereof, said panels projecting above the sections when in position therein and having incisions therein defining the physical features of a building.

In testimony whereof I affix my signature.

WOODWARD BRYANT LE GANGER.