

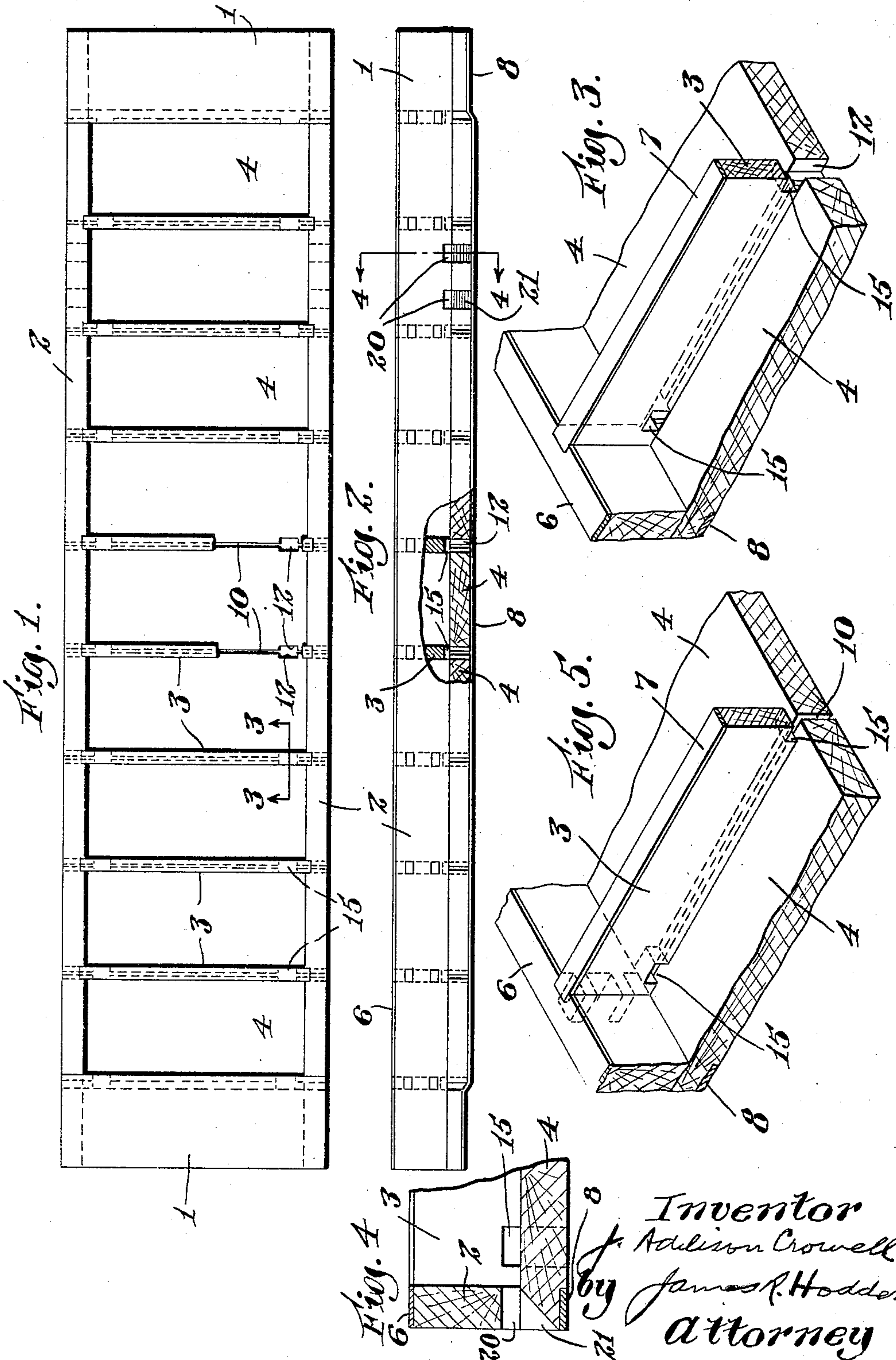
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BRICK MOLD

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UNITED STATES PATENT OFFICE

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BRICK MOLD

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My present invention is an improved brick mold for use in the manufacture of brick by the soft mud process, and is an improvement on the brick mold showing a slotted vent construction in my prior application, Ser. No. 313,332, filed Oct. 18, 1928.

As explained in my said prior and copending application, it is of great importance, in brick mold construction, wherein said molds are necessarily made of wood and subjected to great strain under the present modern high pressure "automatic" brick machines, to provide strong and rigid construction and an ample vent capacity. It is furthermore important that such vents be arranged in balanced or substantially equal position throughout the parts of each mold section. In my prior construction I have explained the importance and necessity of having the partitions, sides, and backs or panels preferably so arranged that they could be interlocked, and connected for strength, and yet leave proper vents for the clay, giving a substantially firm corner construction throughout, eliminating fins, permitting the clay to be mixed stiffer, and therefore to permit a better, finer texture and more uniform clay article.

In my present invention I provide a mold structure with slots, a pair of slots, or a plurality of slots, preferably in the form of notches, and preferably, also, formed directly in the partitions in balanced arrangement, viz: at ends, or comparatively similar positions in the sides, or a combination and plurality of the same.

Referring to the drawing illustrating a preferred embodiment of my invention,

Fig. 1 shows in plan view a typical nine mold brick construction with a portion of certain partitions broken away.

Fig. 2 is a side view, partly in cross section.

Fig. 3 is a perspective view of an enlarged sketch on the line 3—3 of Fig. 1.

Fig. 4 is a fragmentary cross sectional view on an enlarged sketch on the line 4—4 of Fig. 2, and

Fig. 5 is a perspective view illustrating a modified form of notched construction.

As shown in the drawing, my improved mold consists in ends, 1, 1, sides 2, 2, and a plurality of partitions 3, 3, together with panels or backs 4, 4. These constitute the main portions of the mold and are bound together by the usual iron bands 6, 7 and 8. The backs or panels 4 are preferably arranged to afford a support to the partitions 3, leaving a relatively narrow slot 10 therebetween. This slot may, if desired, be slightly enlarged, as shown at 12, to register with the notches 15 in the partitions 3, or the notches may simply rely on the opening 10 to cooperate therewith to afford a sufficient vent. It will be seen that, by forming such notches 15 in the partition adjacent to each end, a double vent is provided from each of the adjacent mold sections through the partition 3 and such notches into, through, and out of the recess 10 between the adjacent backs or panels 4 forming each mold. Furthermore, the overlapping of the partitions 3 with the adjacent backs 4, 4 enable added strength to be given to the mold as these abutting partitions and back portions can be secured together by screws, dowels, or the like, if desired. Furthermore, the substantially entire length of the side corners between the partitions and each back is a union, thus insuring a sharp corner to the brick, preventing the formation of fins, and insuring that the brick will drop out of the mold easier when inverted in an automatic machine, and permit higher speed of such machines, as well as allow stiffer clay material to be formed because of the increased strength of the molds.

In addition to the notches thus formed, I may, if desired, form the same through the sides 2 at the end of the partition such, for example, as shown in Fig. 4 at 20, bevelling, if desired, the side of the back 4 at 21 to facilitate the vent action of such slots, which slots would also be in balanced relation. It will be appreciated that my present improved form permits vents to be formed with a minimum of cutting of material, without weakening the backs or panels, and also in an ideal way and preferably by notching the partitions 3 with any desired plurality or number, 2, 3, or more—depending on the clay and the

work to be done—and then assembling the same in a mold without further fitting. I believe that this arrangement of notched construction is novel and of importance and I
5 wish to claim the same broadly herein.

Having thus described my invention, what I claim as new is:

1. A brick mold comprising sides, partitions, and a plurality of bottom panels, said
10 sides having notches formed therein at their bottom edges intermediate said partitions, and said panels having recesses therein in cooperative relation with said notches.

2. A brick mold comprising sides, partitions, and a plurality of bottom panels, said
15 sides having notches formed therein at their bottom edges intermediate said partitions, and said panels being beveled from their inner surfaces outwardly and downwardly
20 under said sides, to provide recesses in said panels in cooperative relation with said notches.

In testimony whereof, I have signed my name to this specification.

25 J. ADDISON CROWELL.

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