Z. J. PETERSON & W. P. WILSON.

MOLD FOR THE MANUFACTURE OF CONCRETE BLOCKS.

APPLICATION FILED FEB. 4, 1916.

1,247,573. Patented Nov. 20, 1917.

Fig. 1.

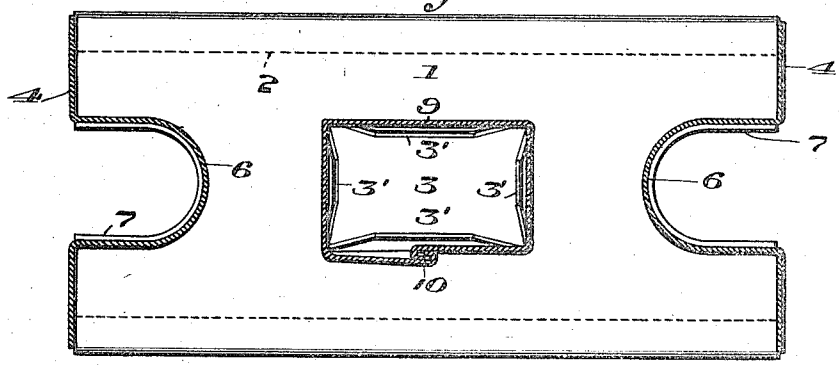


Fig. 2.

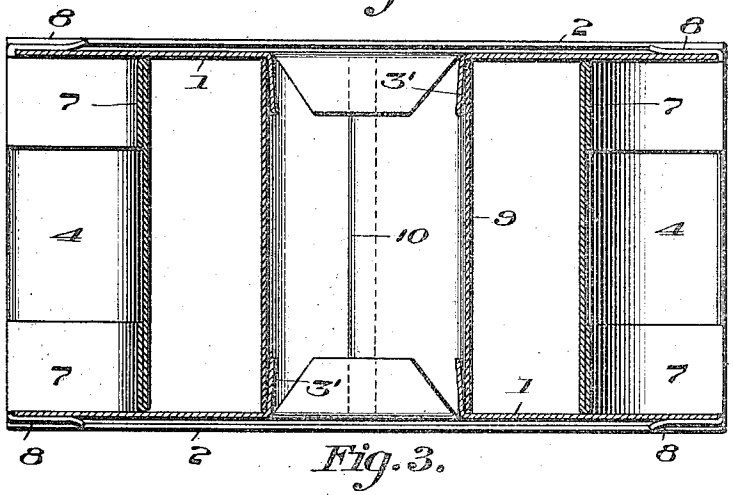
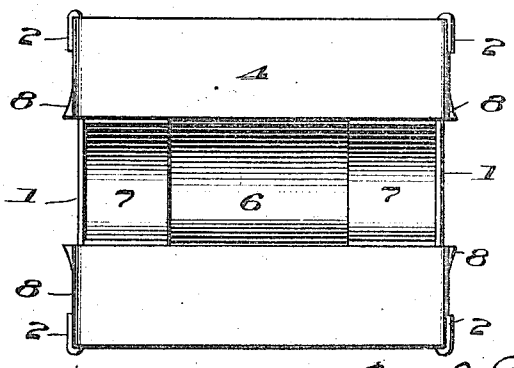


Fig. 3.



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UNITED STATES PATENT OFFICE.

ZEB J. PETERSON AND WALTER P. WILSON, OF CRESTON, IOWA.

MOLD FOR THE MANUFACTURE OF CONCRETE BLOCKS.

1,247,573. Specification of Letters Patent. Patented Nov. 20, 1917.

Application filed February 4, 1916. Serial No. 76,147.

To all whom it may concern:

Be it known that we, ZEB J. PETERSON and WALTER P. WILSON, citizens of the United States, residing at Creston, in county of Union and State of Iowa, have invented certain new and useful Improvements in Molds for the Manufacture of Concrete Blocks, of which the following is a specification.

Our invention relates to an improvement in molds for the manufacture of concrete blocks.

Heretofore, it has been impossible to make a hollow wet concrete block, because of the impossibility of making a mold so that the part that forms the core or hollow center of the block could be removed after the block had solidified.

The object of our invention is to accomplish this, and it comprises a collapsible mold, made of some five parts, namely sides, ends, and core, the ends and sides being detachably connected together and to the core, and the core itself being collapsible.

In the accompanying drawings:—

Figure 1 is a view in longitudinal vertical section;

Fig. 2 is a horizontal longitudinal section; and

Fig. 3 is a view in side elevation.

The sides 1, 1, are alike, and preferably made of sheet-metal in the dimensions required, and the upper and lower edges are turned over to be parallel, as shown at 2, and a hole 3 is formed at the center, and the metal cut to make the hole is bent backward in the form of flanges 3, 3.

The ends 4, 4, are alike, and are provided with the integral cores 6, 6, for the ends of the block formed, and these are reinforced and strengthened by the metal at the ends of the under sections being bent back as at 7, 7. The corners 8, 8, are bent at right-angles and adapted to slide beneath the flanges 2, 2, of the sides, whereby the ends are held to the sides by frictional engagement.

The core 9 is hollow and centered by the flanges 3, 3, which fit its ends, when the five parts forming the mold are together.

This core 9 is made of a single piece of sheet-metal, and the ends are interlocked as at 10, which admits of the core being compressed and collapsed, after which it resumes its normal position, due to its inherent resiliency.

The mold is collapsed by pulling the ends from the sides, and the sides from the block molded, and by inserting a thin instrument into the center of the block, and collapsing the core, the latter may be easily removed therefrom, and the molded block is then allowed to dry.

We claim:

1. A collapsible mold comprising sides having flanged upper and lower edges, and ends having corners which are removably inserted beneath the ends of the flanges from the side, the sides having inturned flanges at or near the center, and a core held by said flanges inturned from the side.

2. A collapsible mold comprising sides having flanged upper and lower edges, and ends having corners which are removably inserted beneath the ends of the flanges from the side, the sides having inturned flanges at or near the center, and a collapsible core held by said flanges inturned from the side.

In testimony whereof we affix our signatures.

ZEB J. PETERSON.
WALTER P. WILSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."