

F. ZAGELMEYER.
 REINFORCED CORE FOR CEMENT BLOCK MOLDS.
 APPLICATION FILED MAR. 10, 1917.

1,244,937.

Patented Oct. 30, 1917.

FIG. 3

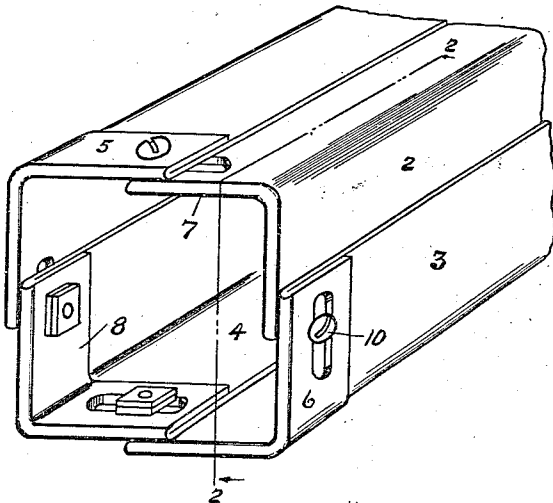
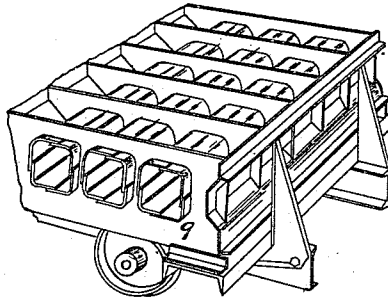


FIG. 1

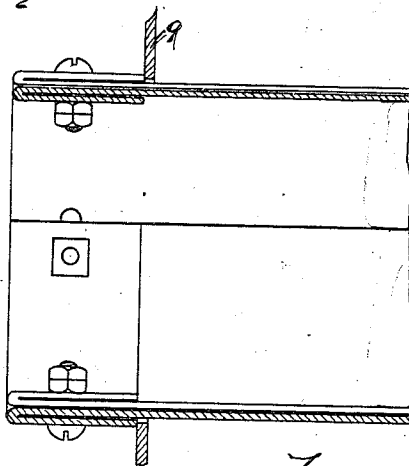


FIG. 2

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FRANK ZAGELMEYER, OF BAY CITY, MICHIGAN.

REINFORCED CORE FOR CEMENT-BLOCK MOLDS.

1,244,937.

Specification of Letters Patent.

Patented Oct. 30, 1917.

Application filed March 10, 1917. Serial No. 153,847.

To all whom it may concern:

Be it known that I, FRANK ZAGELMEYER, a citizen of the United States, residing at Bay City, in the county of Bay and State of Michigan, have invented certain new and useful Improvements in Reinforced Cores for Cement-Block Molds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to cement block molds and pertains more particularly to an improved construction for collapsible sheet metal cores adapted to be used in multiple cell molds, such as are commonly employed in the making of cement blocks by the wet or pouring method.

A multiple cell mold of the class referred to is illustrated and described in my co-pending application, Serial No. 746,943 filed Feb. 7, 1913, Patent No. 1,218,737.

My present improvement relates more specifically to the construction of a reinforced end for the collapsible hollow core.

With these and certain other objects in view, which will appear later in the specification, my invention comprises the devices described and claimed and the equivalents thereof.

My improvement is illustrated in the accompanying drawings, in which Figure 1 is a perspective view of the end of a collapsible core, the walls of which are made of sheet metal and reinforced in accordance with my present improvement.

Fig. 2 is a longitudinal section on the line 2-2 of Fig. 1.

Fig. 3 is a perspective detail showing one end of a truck on which is mounted a multiple cell mold, having cores constructed in accordance with my present improvement.

As is clearly shown in the drawings, the device consists in the sheet metal core comprising four angular pieces of sheet metal 1, 2, 3, 4, two of the diagonally opposite pieces, as 1 and 3, being arranged with their edges overlapping the contiguous edges of the other two diagonal pieces, as 2 and 4.

To strongly reinforce the extremities of the angular core members, I preferably fold back the ends of the pieces 1 and 3 upon themselves and bend the pieces 1 and 3 so that their overlapping ends 5 and 6 will form strips lying on the outside of the assembled core. The ends of the opposing

diagonal pieces 2 and 4 are similarly folded back upon themselves and the pieces are then bent so that the overlapping ends, 7 and 8, will lie on the inside of the assembled core, as shown in Fig. 1.

By this arrangement, the overlapping edges of the adjacent members, as 1 and 2, lie close together and leakage of cement between them is prevented.

The folded, and consequently double reinforced ends of the members 1, 2, 3, 4 are sufficiently strong to withstand the action of a pry bar such as is commonly used to telescope or collapse the cores after the blocks are cast.

Heretofore inconvenience and damage to the cores has resulted from the use of pry bars against the unreinforced projecting ends of the core members, and to avoid this difficulty is one of the objects of my present improvement.

It will be seen by reference to Fig. 2 that the core can be properly and accurately positioned with reference to the multiple cell mold by utilizing the edge of the overlapped part as a stop, to engage wall 9 of the multiple mold.

The members of the mold may be secured together in their expanded position and released for collapsing by means of the bolts 10, or their equivalents.

By the means above described I have produced a simple, yet effective reinforcing for the outer ends of collapsible sheet metal cores for multiple concrete molds, that is inexpensive to manufacture, strong and durable in operation, that enables the members of the mold to remain closely in contact with each other to prevent leakage of cement. This reinforcing affords suitable bearing against which a pry bar may be forced to collapse the mold, without distorting the members of the mold, and the reinforced edges of the diagonally opposite reinforcing members also serve as stops to enable the core to be quickly and accurately positioned with reference to the walls of the mold.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. In a collapsible sheet metal core for use in multiple concrete molds, a reinforcement for the ends of the members of said core, comprising a reinforcing strip formed by folding outwardly upon themselves the

ends of diagonally opposite core members, and by folding inwardly upon themselves the ends of the remaining core members, for the purposes set forth.

- 5 2. In a collapsible sheet metal core for use in multiple concrete molds, a reinforcement for the ends of the members of said core, comprising a reinforcing strip secured to the end of each of the core members, the
10 strips on two diagonally opposite members being secured on the outside of said members, and the strips on the remaining two

diagonally opposite members being secured on the inside of said members, said first mentioned strips forming exterior stops to engage the edges of the core-receiving opening of said mold. 15

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

FRANK ZAGELMEYER.

Witnesses:

NELLIE M. ANGUS,
ROY WALLIS.