

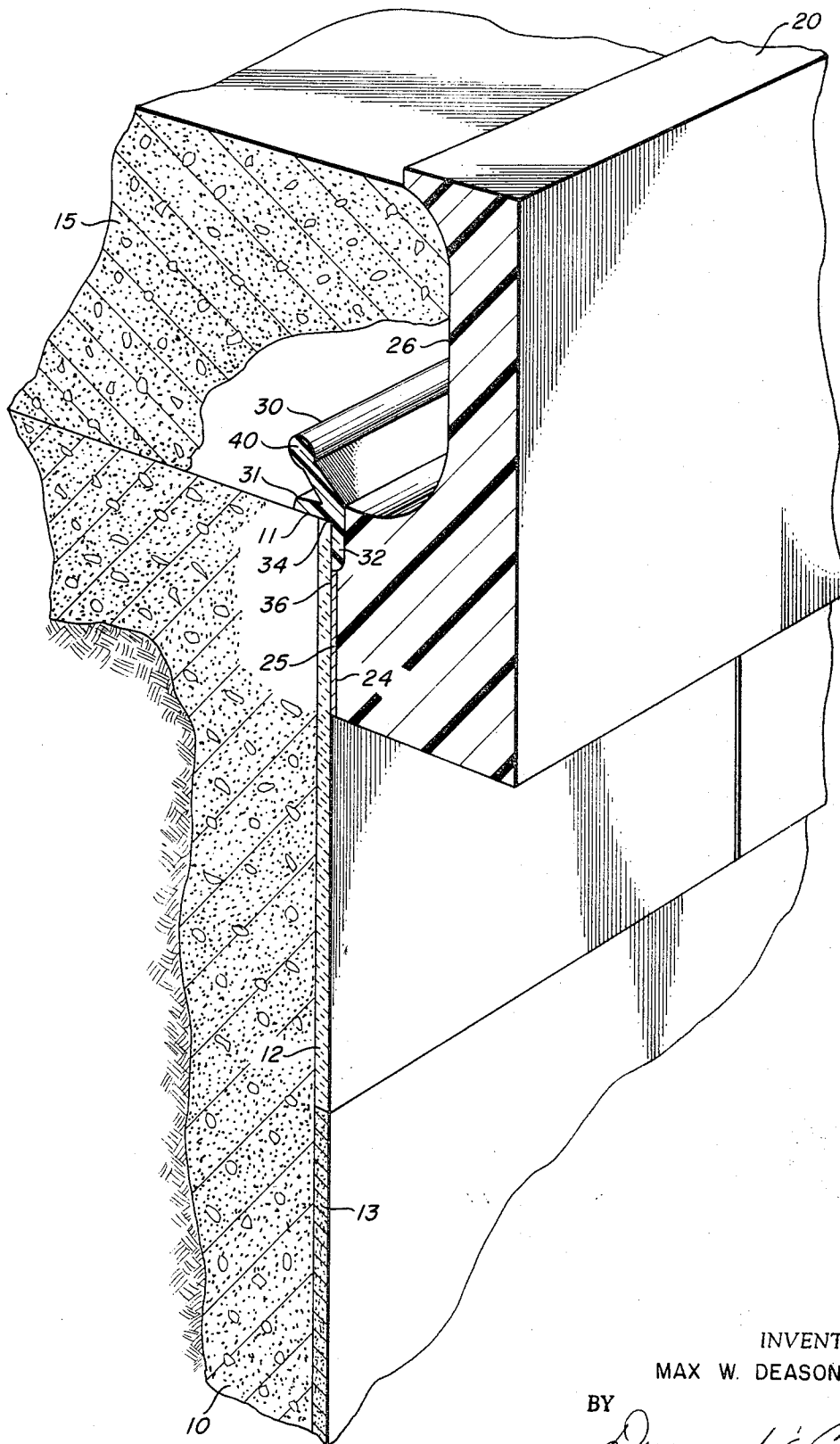
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M. W. DEASON

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POOL DECK FORM

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INVENTOR.

MAX W. DEASON

BY

BY *Drummond & Cahill*

ATTORNEYS

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POOL DECK FORM

Max W. Deason, 3224 N. Erma Ave.,
Tucson, Ariz. 85705

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5 Claims

ABSTRACT OF THE DISCLOSURE

A continuous strip form of semirigid material having a contoured surface for holding concrete until set. The strip form includes a mounting surface having pressure-sensitive adhesive thereon for securing the strip form along the upper edge of a pool wall to be decked. An elongated joint member is positioned adjacent the strip form along the upper edge of the pool wall and includes an anchor lip extending therealong for embedding in the concrete. The strip form is removed when the concrete is set and the joint member remains.

The present invention pertains to pool deck forms, and more particularly, to a deck form of the type for conveniently providing a means to construct a concrete deck about the upper edge of a pool.

The utilization of concrete in pool decks has become popular since the advent of my previously issued U.S. Pat. No. 3,348,801. In that patent, the difficulty with tile coping was discussed and the advantages of a cantilever or overhanging concrete deck was shown. The present invention is an improvement in deck forms wherein the advantages of a concrete cantilever deck may be achieved less expensively and more conveniently. If the construction industry is required to maintain concrete forms, the handling, shipping, etc., add to the already high original cost thereof. A form that can either be left in place or simply discarded represents an economical advantage, providing the resulting concrete structure is set.

It is therefore an object of the present invention to provide a pool deck form to enable the forming of a concrete cantilever deck.

It is another object of the present invention to provide a pool deck form that is disposable.

It is another object of the present invention to provide a pool deck form that is rapidly installed and can just as rapidly be removed after the concrete is set.

It is still another object of the present invention to provide a pool deck form including a joint member which will alleviate problems sometimes arising at the juncture of a pool wall and the deck on top thereof.

These and other advantages of the present invention will become apparent to those skilled in the art as the description thereof proceeds.

Briefly, in accordance with the embodiment chosen for illustration, a continuous strip form of expanded polystyrene is provided with pressure-sensitive adhesive for attaching the strip form immediately below the upper edge of a pool wall. A contoured surface is provided in the continuous strip for forming the concrete deck. A joint member extends over the edge of the pool wall and includes a longitudinally extending anchor lip which becomes embedded in the concrete when poured. When the concrete is set and the deck has been formed, the deck form is removed, leaving the cantilever deck and joint member intact.

The present invention may more readily be described by reference to the accompanying drawing, in which a pool deck form constructed in accordance with the teachings of the present invention is shown.

Referring now to the drawing, a pool wall 10 is shown extending substantially vertically, terminating at the up-

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per portion thereof in a horizontal edge 11. The upper six inches of the wall 10 is usually faced with tile 12 and the remainder of the wall is plastered such as shown at 13, the plaster forming a smooth juncture with the tile 12. A concrete cantilever deck 15 completes the pool structure; however, pouring the deck 15 is facilitated by the structure of the present invention.

A continuous strip form 20 is provided and is constructed of a material such as expanded polystyrene. The strip form is thus semirigid in that it may be flexed to follow the form of the pool as it varies longitudinally along the strip 20 while the strip is nevertheless substantially rigid transverse of its longitudinal axis. The continuous strip form 20 includes a mounting surface 24 extending vertically and positioned immediately below the upper edge 11 of the pool wall 10. The mounting surface is provided with a pressure-sensitive adhesive 25 to permit the strip form 20 to be temporarily secured to the pool wall in the position shown. A contoured surface 26 extends substantially upwardly from the mounting surface 24 for supporting concrete above the upper edge 11 of the pool wall and for forming the concrete into a cantilever deck.

To eliminate problems that sometimes arise by reason of the water in the pool entering the juncture between the pool wall 10 and deck 15, a joint member 30 having legs 31 and 32 is positioned along and over the upper edge 11 of the pool wall 10. The legs 31 and 32 effectively cover the edge 11 and respectively contact the edge 11, the upper edge 34 of the tile 12, and the vertical surface 36 of the tile 12. The joint member 30 also includes a longitudinally extending anchor lip 40 to be embedded in the concrete forming the deck 15.

The operation of the pool deck form of the present invention may be described as follows. When the pool wall concrete is set, the concrete cantilever deck is ready to be poured. The joint member is positioned over the upper edge of the pool wall and the continuous strip form is positioned as shown in the drawing by pressing the pressure-sensitive adhesive against the pool wall. The strip form will thus hold the joint member in position and is ready to receive plastic concrete. When the concrete is set, the strip form is readily removed, leaving a properly contoured deck edge. The joint member remains in place with the anchor lip firmly embedded in the concrete to thereby prevent water from entering into the juncture of the pool wall and deck.

It will be readily apparent to those skilled in the art that many modifications may be made in the present invention without departing from the spirit and scope of the invention. For example, the choice of semirigid material for the continuous strip form 20 or for the joint member 40 may vary considerably. It has been found that expanded polystyrene is satisfactory for the continuous strip form while a semirigid material of a more permanent nature is required for the joint member. Experience has shown that a material commonly known as extruded "PDC" (polyvinyl chloride) works properly.

I claim:

1. In combination: a substantially vertically extending pool wall terminating at the upper portion thereof in a horizontal edge; a continuous strip form of semirigid material including a mounting surface having a pressure-sensitive adhesive means secured thereto, said mounting surface fastened by said pressure-sensitive adhesive means immediately below said horizontal edge of said pool wall for temporarily securing said strip to said wall; said strip form including a form surface extending upwardly from said mounting surface to form a contoured surface for temporarily supporting concrete above said horizontal edge of said pool wall, said concrete, when set, forming a pool deck contiguous to said pool wall.

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2. The combination set forth in claim 1, including a continuous semirigid joint member extending along and positioned over the upper edge of a pool wall and held in position by said continuous strip form, said joint member including an anchor lip extending therealong for embedding in said concrete, said joint member remaining in position when said strip form is removed.

3. The combination set forth in claim 1 wherein said strip form of semirigid material comprises a continuous strip of expanded polystyrene.

4. The combination set forth in claim 2, wherein said strip form of semirigid material comprises a continuous strip of expanded polystyrene.

5. The combination set forth in claim 2, wherein said

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strip form of semirigid material comprises a continuous strip of expanded polystyrene and wherein said joint member comprises a continuous extrusion of polyvinyl chloride.

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JOHN E. MURTAGH, Primary Examiner

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