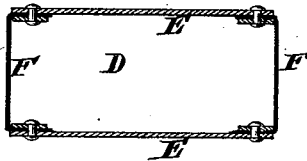


L. A. TARTIERE.

Apparatus for Casting Hollow Articles of Cement.

No. 164,057.

Patented June 1, 1875.



Witnesses.

Chas Wahlers
Otto Stufeland

Inventor.

Lucien A. Tartiere
per
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attys

UNITED STATES PATENT OFFICE

LUCIEN A. TARTIÈRE, OF ELIZABETHPORT, NEW JERSEY.

IMPROVEMENT IN APPARATUS FOR CASTING HOLLOW ARTICLES OF CEMENT.

Specification forming part of Letters Patent No. 164,057, dated June 1, 1875; application filed March 24, 1875.

To all whom it may concern:

Be it known that I, LUCIEN A. TARTIÈRE, of Elizabethport, in the county of Union and State of New Jersey, have invented a certain new and useful Improvement in Casting Articles of Cement and other similar materials, of which the following is a specification:

This invention consists in certain improvements in the construction of cores to be used in molding the interior of hollow rectangular or polygonal articles of cement, clay, and other similar materials. Such substances contract to such an extent in setting or drying that when it becomes necessary to remove the core it will be found tightly bound, rendering it difficult to remove the same without breaking or injuring the articles. This invention consists in providing such rectangular molds with a sleeve constructed of two strips of sheet metal, connected together at the ends by two flexible strips of sheet metal, in such manner that they may be contracted or sprung together after the core is removed, to allow the sleeve to be withdrawn from the article, the sleeve being left in the article, to sustain its sides until the material is dried or set.

The figure illustrates my invention.

In the drawings, the letter A designates a box or mold of the ordinary construction, adapted to support the core there in proper position, as usual. C represents the core, which is made rectangular or polygonal, as may be desired. D represents a sleeve fitted

upon the core, and consisting of two or more sheet-metal strips, E E, united at their ends to two or more flexible metallic strips, F F, by means of bolts *d d*, or otherwise. The improved core, with the sleeve upon it, is placed in the mold as usual, and the material filled in around it in the usual manner, after which the core may be readily removed, said sleeve remaining to support the sides of the article during drying. The sleeve, being flexible, gives to the force of the contraction, and prevents injury to the article while drying, and when the drying is complete it may be easily removed.

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

The core for forming the interior of hollow rectangular, or polygonal molded articles of clay, plaster, cement, and other similar materials, consisting of the polygonal or rectangular block, over which is fitted a sleeve, consisting of the strips E E of sheet metal, united at their ends by means of flexible strips F F, substantially as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 6th day of March, 1875.

LUCIEN A. TARTIÈRE. [L. S.]

Witnesses:

CHAS. WAHLERS,
E. F. KASTENHUBER.