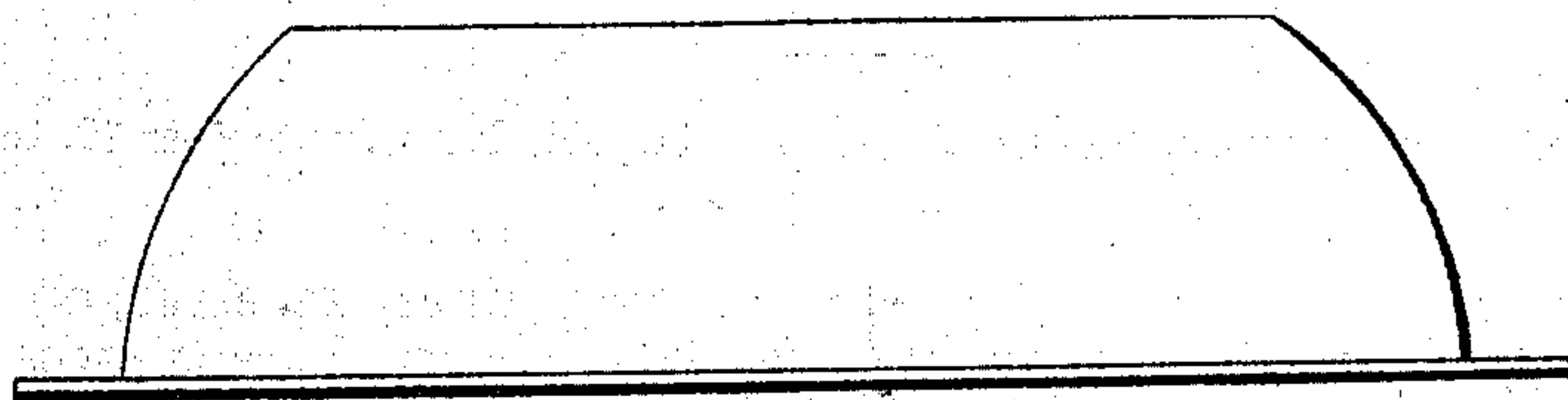
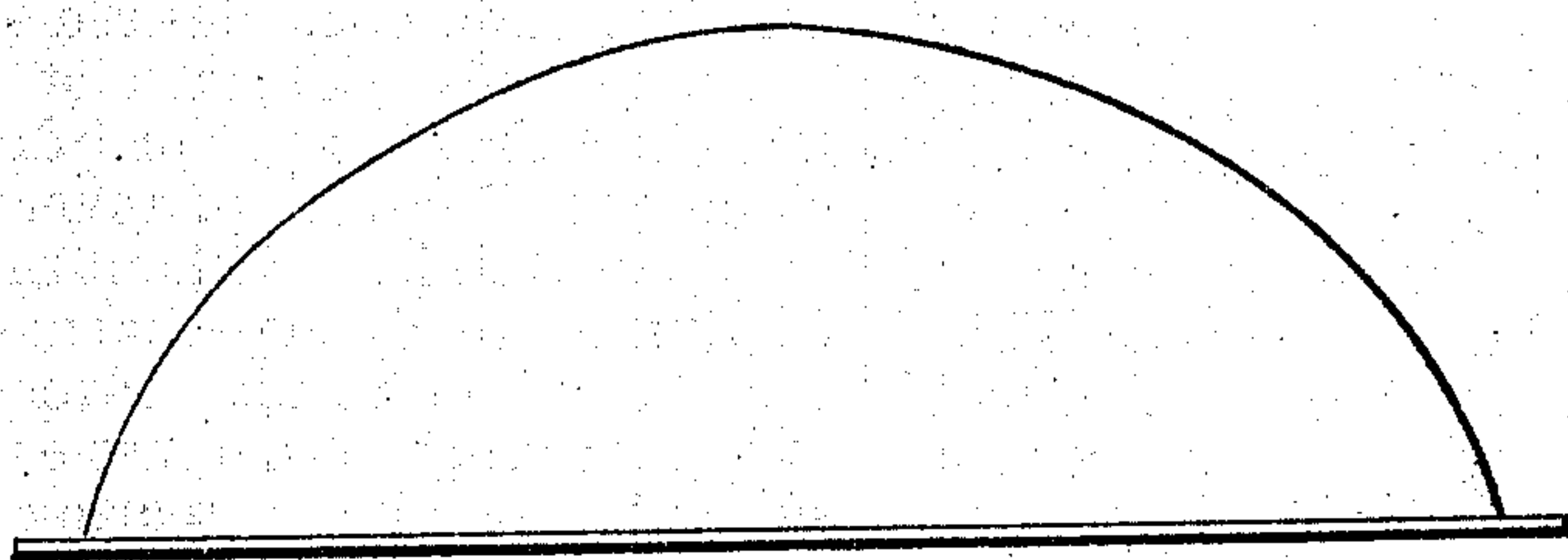
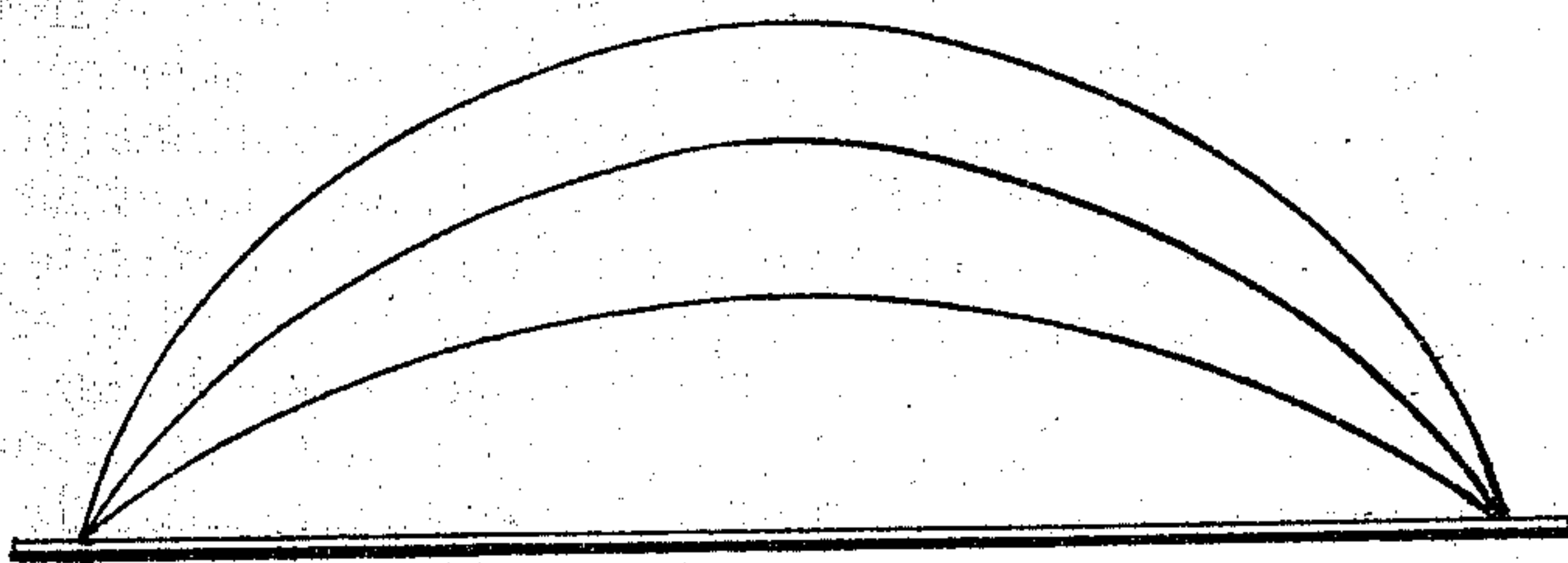
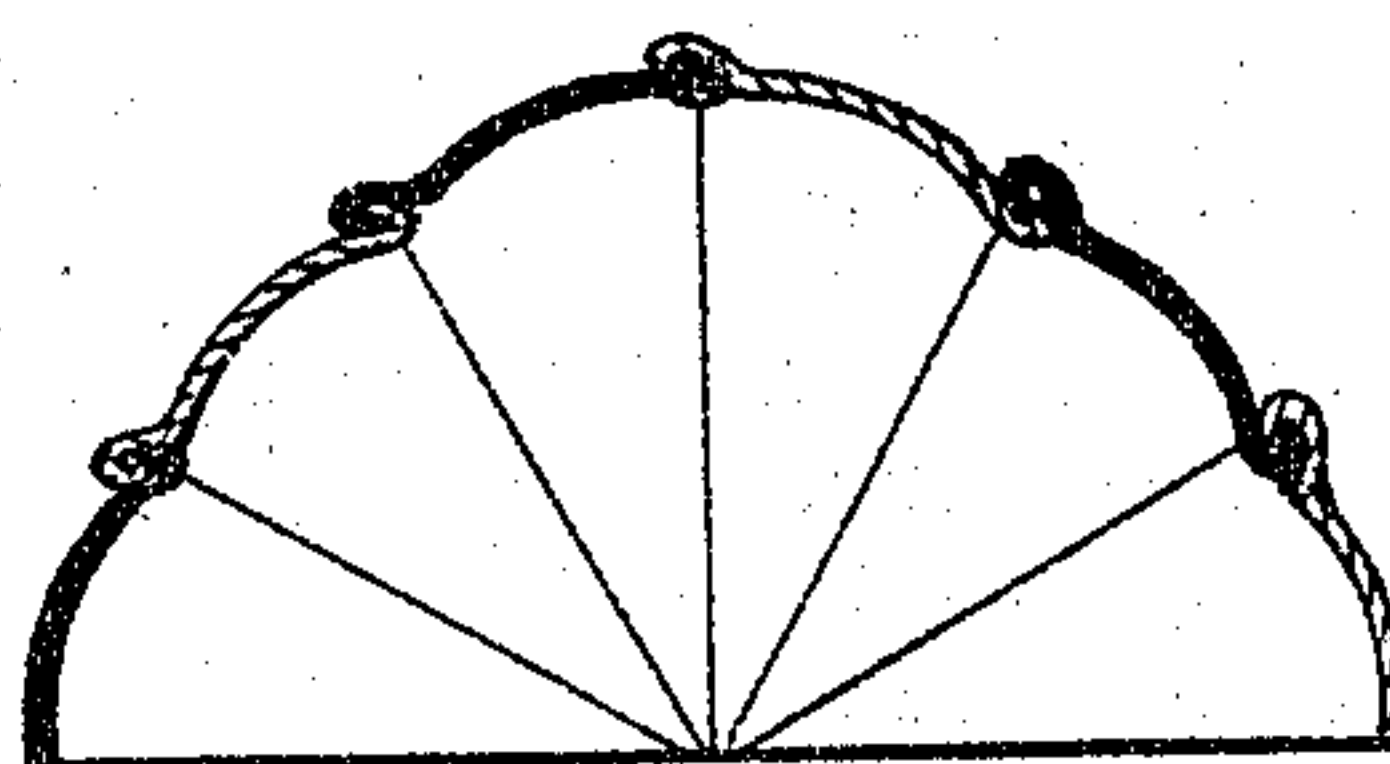
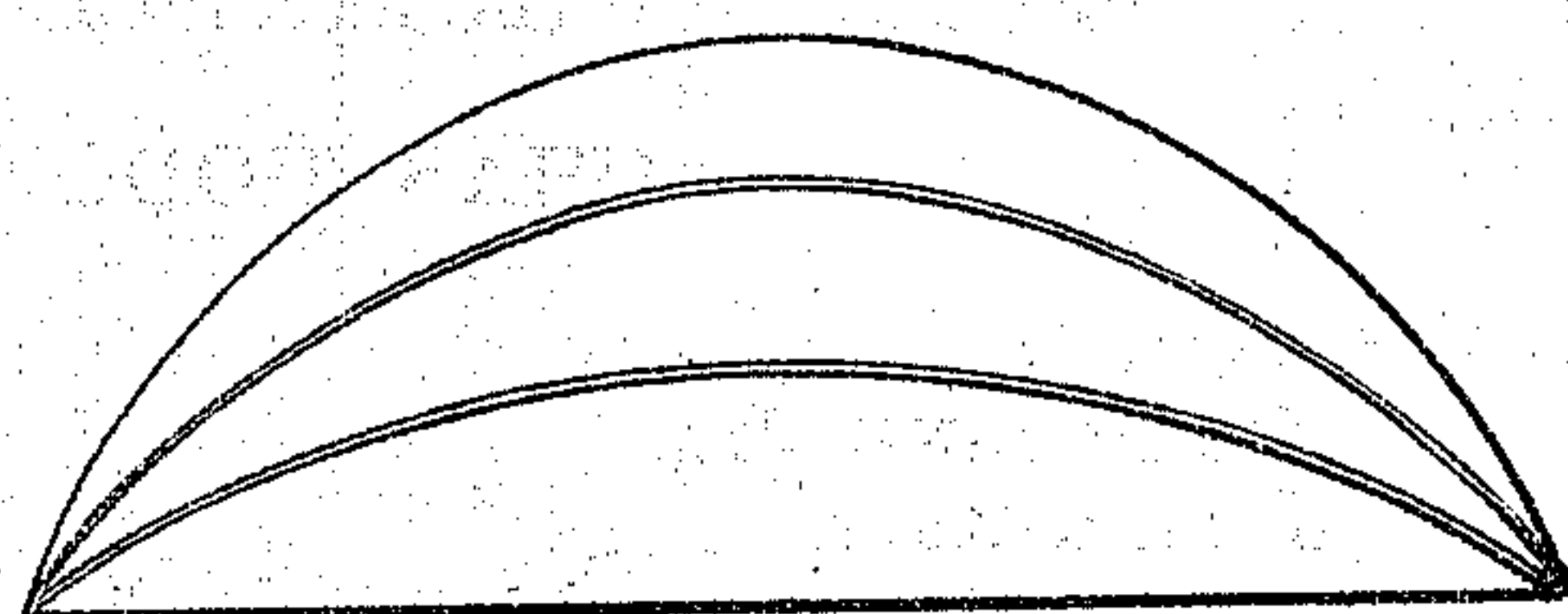


CHARLES HODGETTS.

Improvement in Melon-Shaped Molds.

No. 119,146.

Patented Sep. 19, 1871.

*Fig. 1**Fig. 2**Fig. 3.**Fig. 4.*

Edw. W. Dunn
Atty. Blodgett

Charles Hodgetts
his Atty. J. D. Riney

UNITED STATES PATENT OFFICE.

CHARLES HODGETTS, OF BROOKLYN, NEW YORK, ASSIGNOR TO E. KETCHAM & CO., OF NEW YORK CITY.

IMPROVEMENT IN MELON-SHAPED MOLDS.

Specification forming part of Letters Patent No. 119,146, dated September 19, 1871.

To all whom it may concern:

Be it known that I, CHARLES HODGETTS, of Brooklyn, county of Kings, in the State of New York, have invented new and useful Improvements in Melon-shaped Molds, of which the following is a specification:

My invention relates to that class of metal wares usually formed into various shapes, and used generally for culinary purposes, for baking, boiling, and cooling cakes, puddings, jellies, and other similar pastries. The object of my invention is to produce a more perfect melon-shaped mold than has heretofore been produced. This I have fully accomplished by forming the mold from one piece of metal, which has heretofore been composed of various single pieces, each formed in a die by itself, and then joined together by seaming or folding the edges and soldering; by this process it becomes necessary to use very thin material that the seams may be folded close, the seam being usually flattened by hammering.

Figure 1 represents the first formation. Fig. 2 represents the shape after the second operation. Fig. 3 represents the final shape, or the desired form, as taken from the die. Fig. 4 represents the old style of molds, and showing the seams.

To enable others skilled in the art to make my invention, I will describe its construction.

I use any suitable sheet metal, preferring, however, to use tin. I use dies of different forms, preferring to use three, each varying slightly in depth. Fig. 1 shows a formation of the sheet metal after the first operation in the first die, which is done by stamping or drawing, by using any suitable press for the purpose. Fig. 2 is the impression, (Fig. 1,) drawn or stamped to a greater depth by the same process as before described. Fig. 3 is formed by compression by reversing the process of stamping, as heretofore adopted. Fig. 2 is placed over a form or die

containing lines, recesses, or furrows cut, engraved, or cast thereon, whereby the melon-shape is perfected. The female die in this operation is placed and worked above by being attached to an ordinary drop-hammer, or by attaching to the vertical acting-head of a power press; in this operation the formation (No. 2) is compressed into the desired shape.

I admit that so much of the process as relates to "striking up" or "drawing" is old, but claim the discovery of reversing the operation for its final finish; without this nearly two years of almost steady experiments have failed to accomplish a like result. Every attempt at drawing or striking up as a last or final finish has resulted in breaking or tearing the article in the furrows. By my process the article is drawn up in the usual manner to the form marked in the drawing No. 2, when it is placed over and upon a form or die made to the desired shape and size to finish the mold. I would add that the form or die should be from an eighth to one-quarter of an inch shorter and narrower than the inside measurement of the formed piece marked No. 2, and somewhat higher or deeper; and over this a cap or female die is pressed, compressing the sides and top of the article into the furrows on the form at one operation complete, which saves a vast amount of labor, and a more durable article is produced. The result of my experiment is a success over all others known in making a melon-shaped mold from one sheet of metal.

What I claim as my invention is—

A melon-shaped mold formed from one sheet of metal, substantially in the manner herein described.

CHAS. HODGETTS.

Witnesses:

JOHN DANE, Jr.,
J. M. CRANE.

(112.)