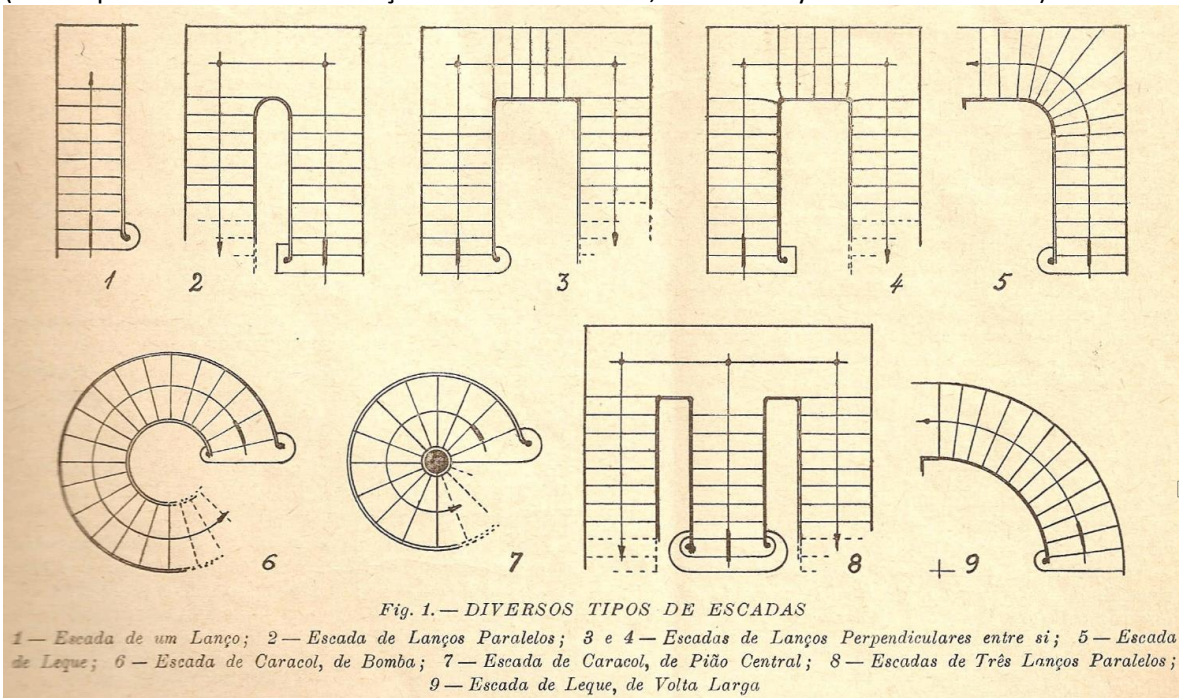
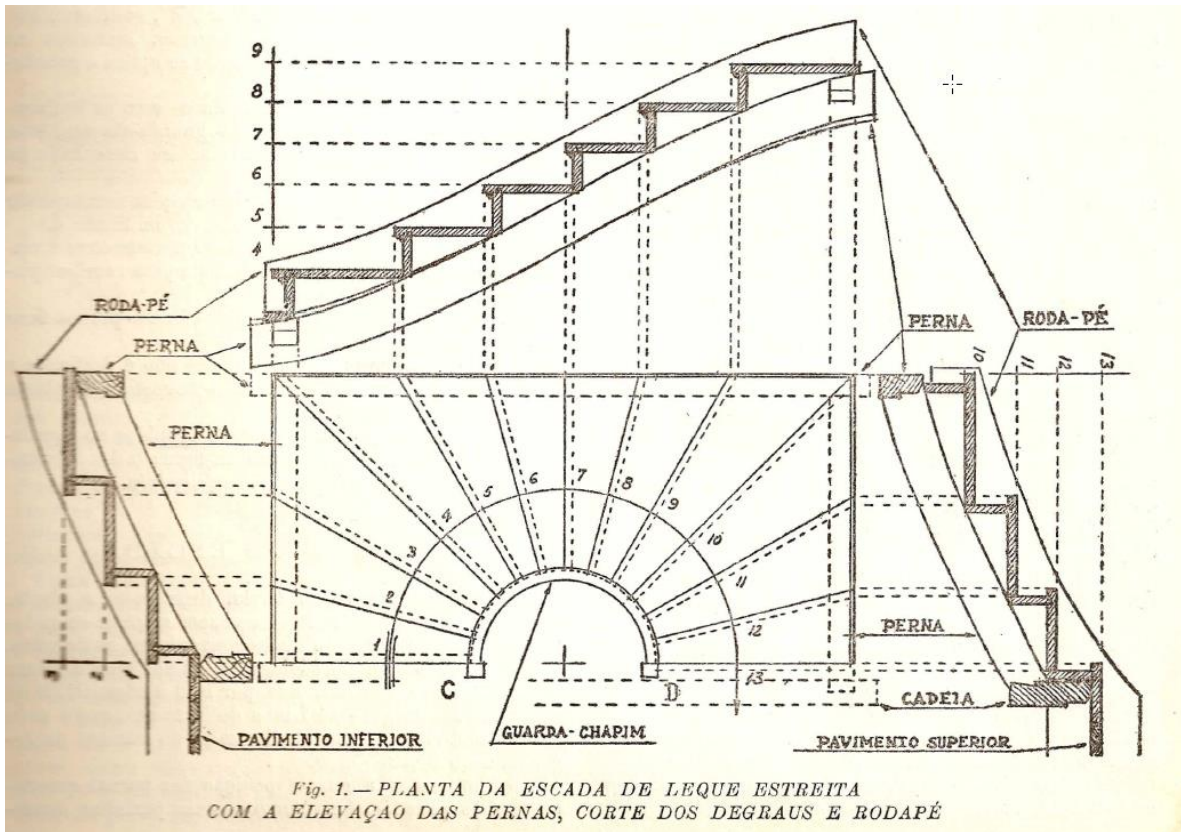
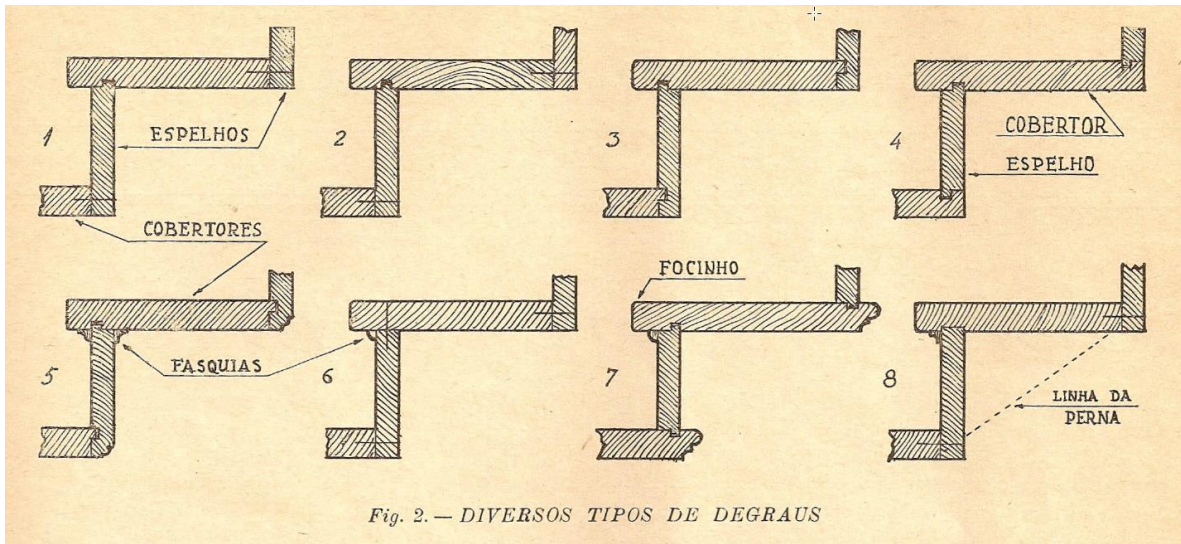


Teacher: Luís Mateus

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| <p>Week 3<br/>18/Out – F &amp; G<br/>19/Out – E &amp; PL</p> | <ul style="list-style-type: none"> <li>• Circular stairs. Types of stairs. Differences between stairs according to materials.</li> <li>• Geometric modelling of circular stairs (exercise 3).</li> </ul> <p><b>• Exercise 4 (weight: 4)</b></p> <ul style="list-style-type: none"> <li>- From the last set of images (stone stairs), <u>model 1 of the 3 stairs</u> using Rhinoceros. Notice that you only need to model one step. The step should be a single piece. The complete stairs will result from the addition of multiple steps. The width of each step should be 100cm + X where X is the sum of the digits of your student's number (in cm).</li> <li>- Do a report, in PDF, illustrating and describing the modelling process and the results obtained.</li> <li>- The delivery of the exercise (file *.3dm + *.pdf in a zipped folder named XXXXXXXX_4.zip where XXXXXXXX corresponds to your student number) should be done via <u>Wetransfer</u> or <u>by email</u>:<br/>&gt;&gt; until the 24h of 28/10/2018</li> </ul> |
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(Enciclopédia Prática da construção civil – Wood stairs, authored by F. Pereira da Costa)





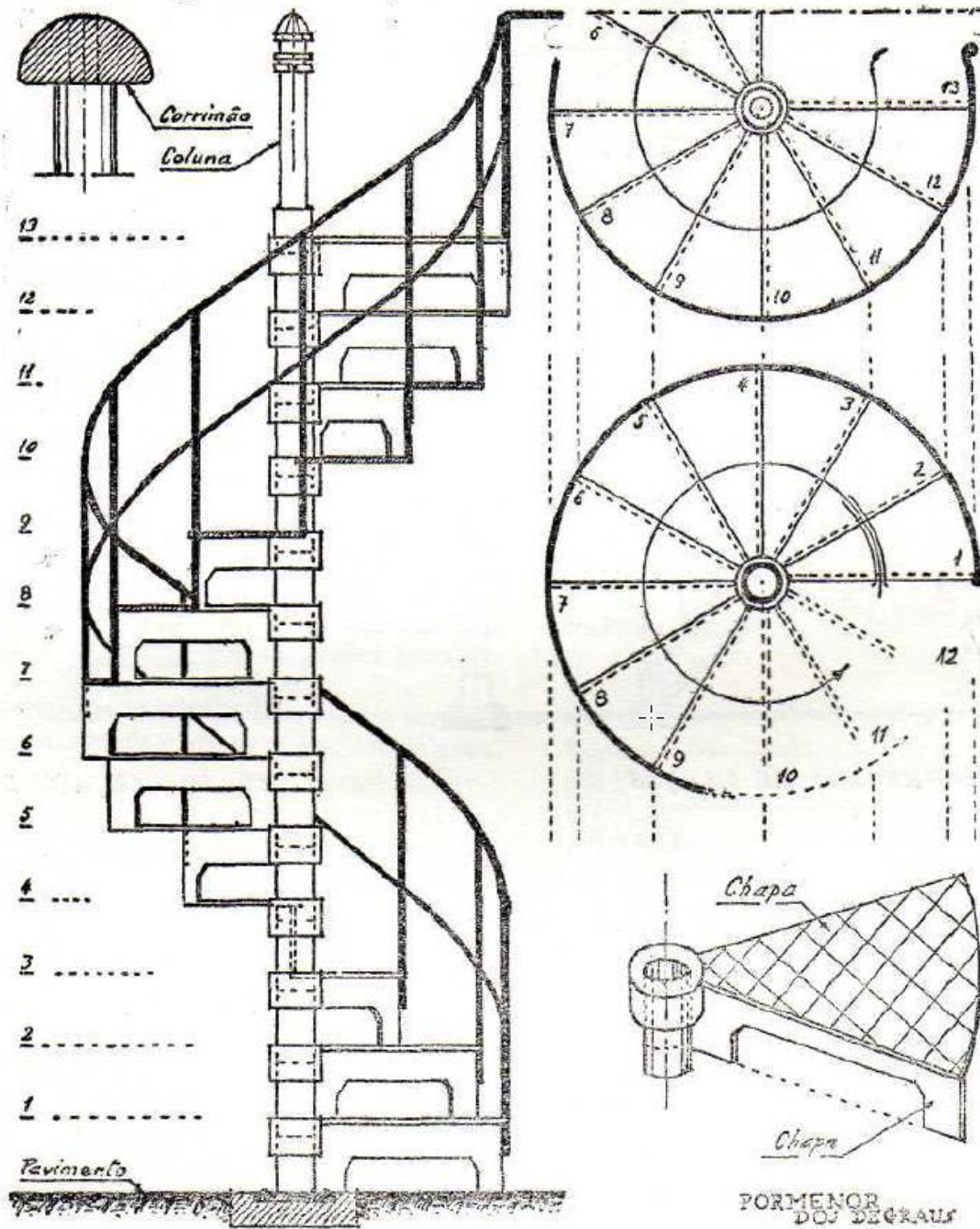


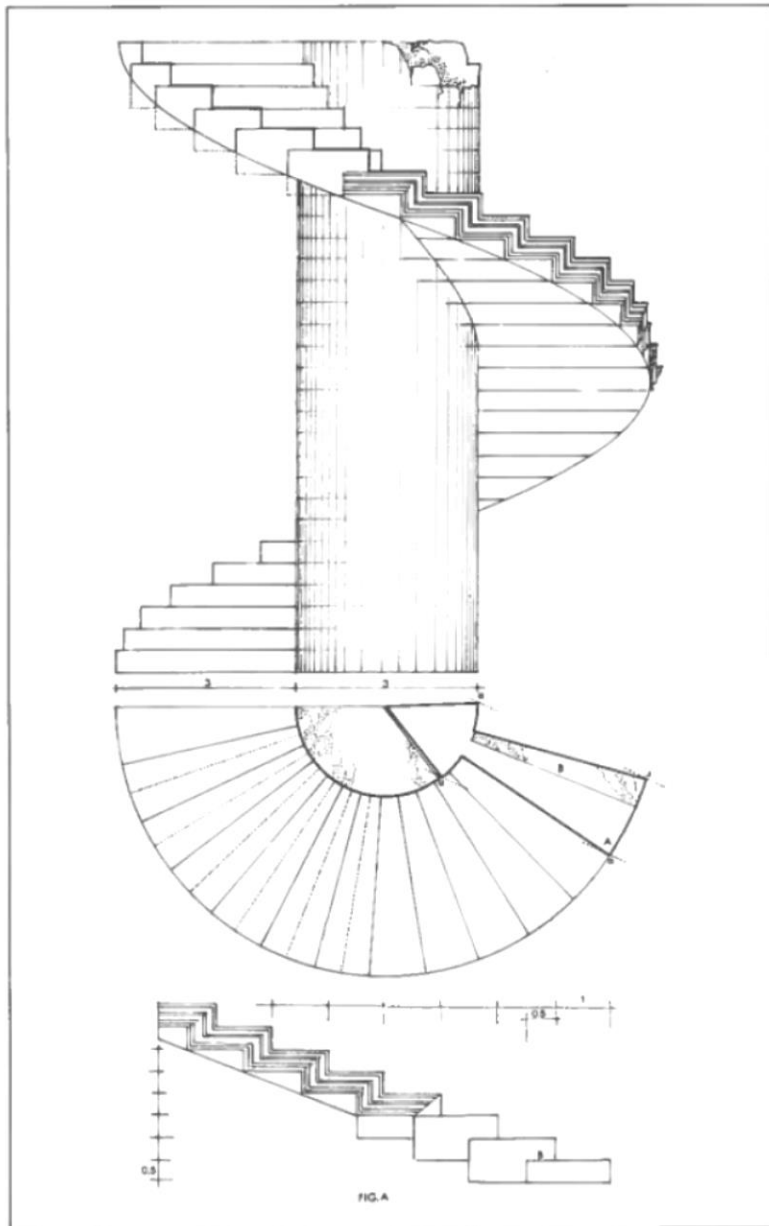
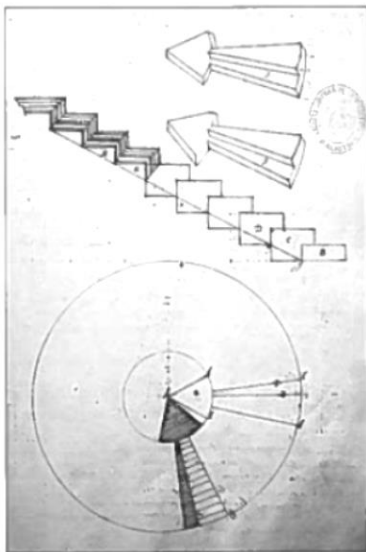
Fig. 11. — ESCADA DE CARACOL  
(Alçado, Plantas e Pormenores)

(all the following images were retrieved from the book "Trazas y cortes de cantería en el renacimiento español" authored by José Carlos Palacios).

### DECLARACION DEL CARACOL EXENTO

*«Ofrécese algunas veces haber de hacer un caracol para salir a algún órgano u a otra parte que sea menester que no embarace por la angostura que puede haber, el cual se podrá hacer exento alrededor de una columna como parece en la traza...»*

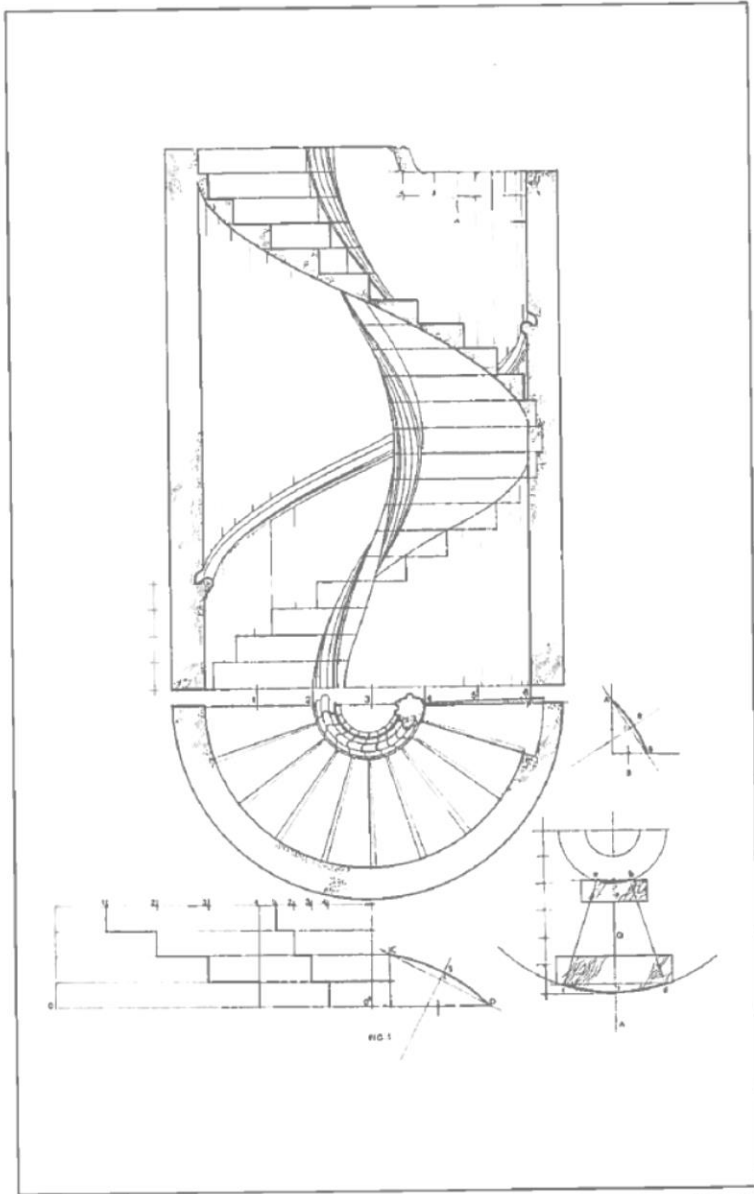
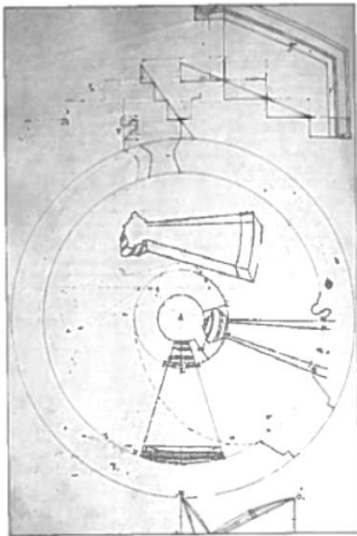
Vandelvira, pg. 51 v



# DECLARACION DEL CARACOL DE MALLORCA

«Para trazar este caracol harás así que  
trazarás la caja, luego partirás el diá-  
metro en seis partes y con la una ha-  
rás el ojo...»

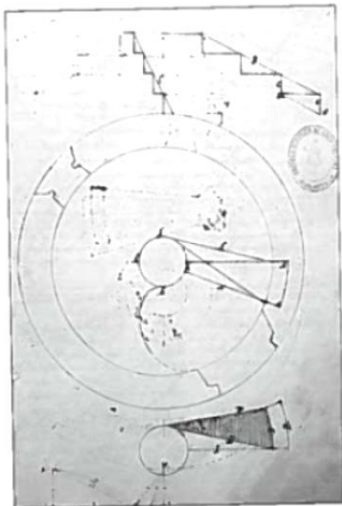
Vandelvira, pg. 51 r



# DECLARACION DEL CARACOL DE HUSILLO

«Primeramente trazarás la caja de la parte de adentro, que la caja de afuera no todas veces guarda el redondo, antes se acomoda con la parte donde está pegada...»

Vandelvira, pg. 49 v



Lam 6.1.

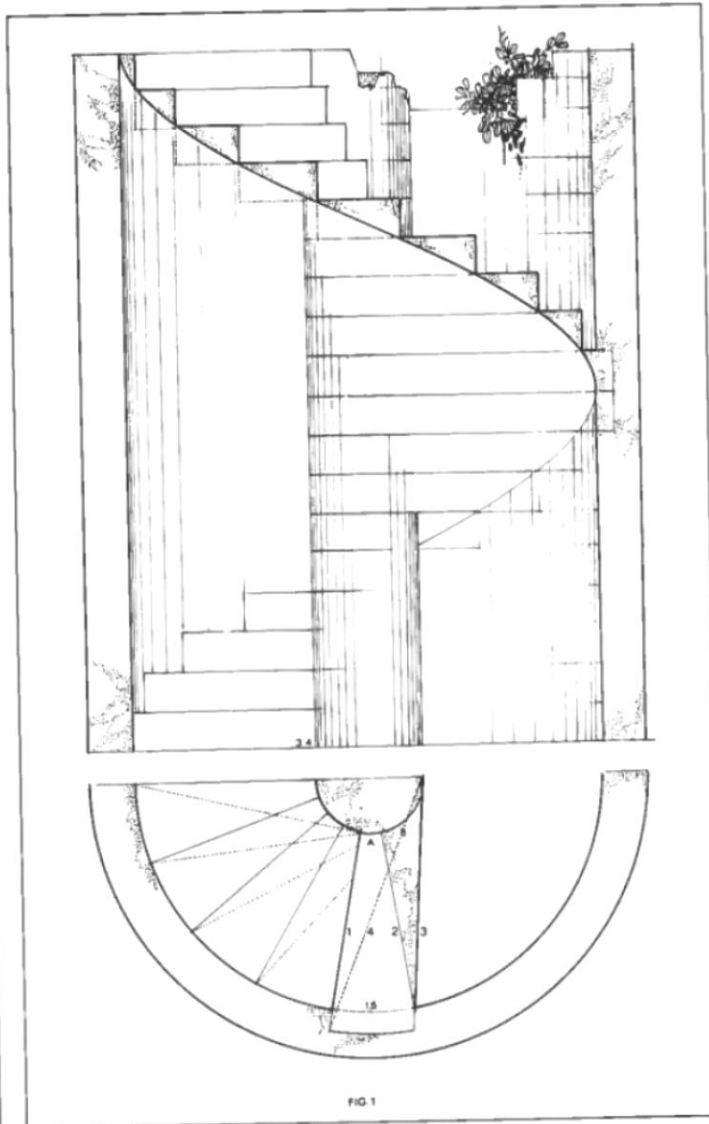


Fig. 6.1.