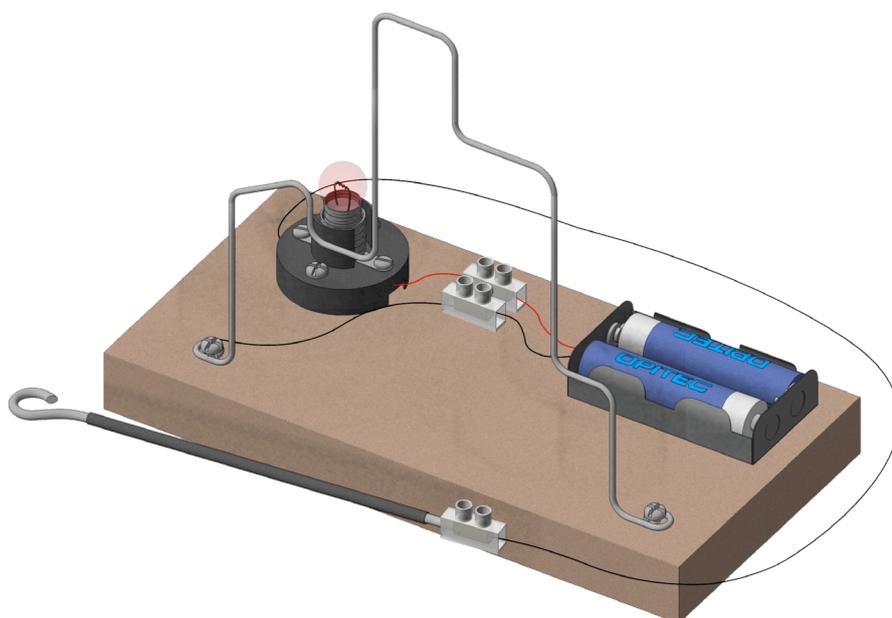


213.841

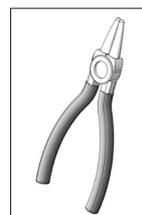
# EasyLine Skill Game Hot Wire



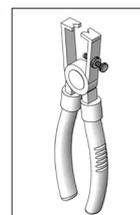
### Please Note

The Opitec Range of projects is not intended as play toys for young children. They are teaching aids for young people learning the skills of craft, design and technology. These projects should only be undertaken and operated with the guidance of a fully qualified adult. The finished projects are not suitable to give to children under 3 years old. Some parts can be swallowed. Danger of suffocation!

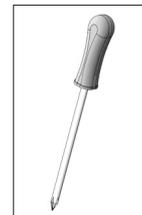
### Required Tools:



round nose  
pliers



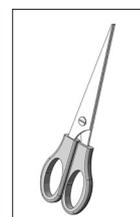
wire stripper



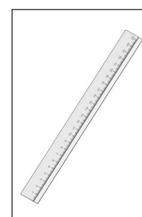
Philips  
screwdriver



adhesive tape



scissors



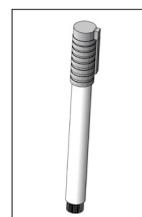
ruler



pricking awl



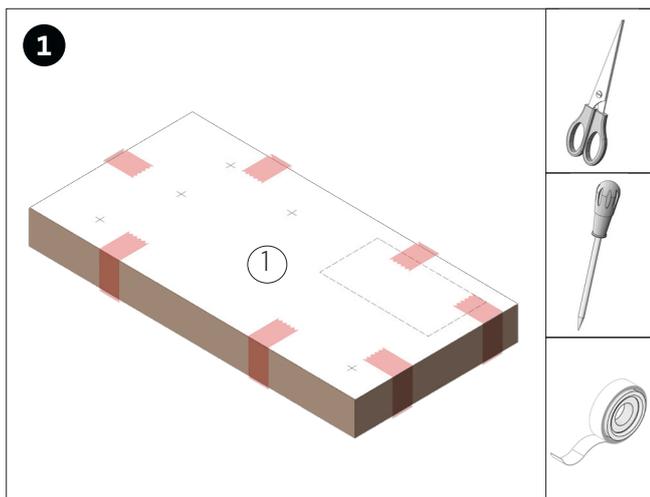
slot screwdriver



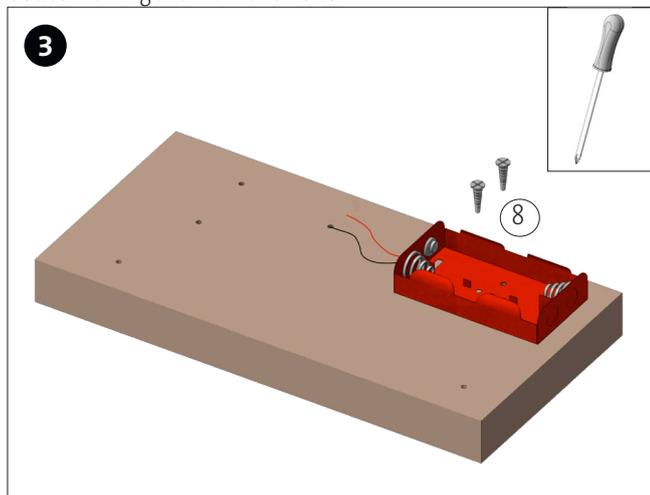
Edding marker

Parts List	Quantity	Size (mm)	Designation	Parts No.
base plate (MDF)	1	180x90x19	base plate	1
aluminium wire	1	ø1x500	wire figure	2
illumination socket	1	E10	socket lamp	3
small lamp	1	3,5V	warning light	4
pan head cross slot tapping screw	2	9,5x2,2	mounting wire	5
pan head cross slot tapping screw	3	16x2,9	mounting illumination socket	6
chipboard screws	2	12x3	mounting battery holder	7
battery holder	1		power source	8
luster terminal strip	4	1,5-2,5	connections	9
electrical wire black	1	500	wiring	10
YV-wire insulated	1		guide arm	11

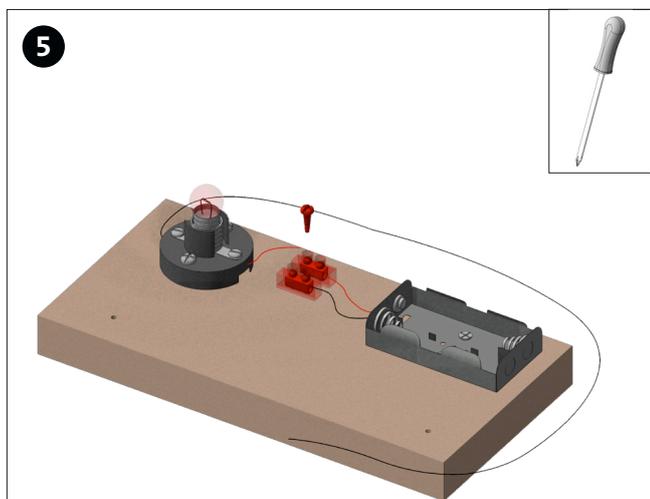
**Building Instruction 213.841**  
**EasyLine Skill Game Hot Wire**



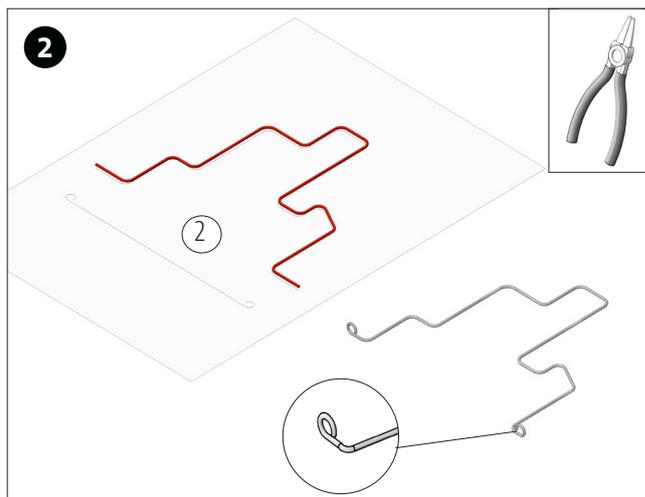
Cut out the template (A) and fasten it to the base plate (1). Then mark the screw holes with a pricking awl. Place the battery holder in the dotted marking and mark two holes.



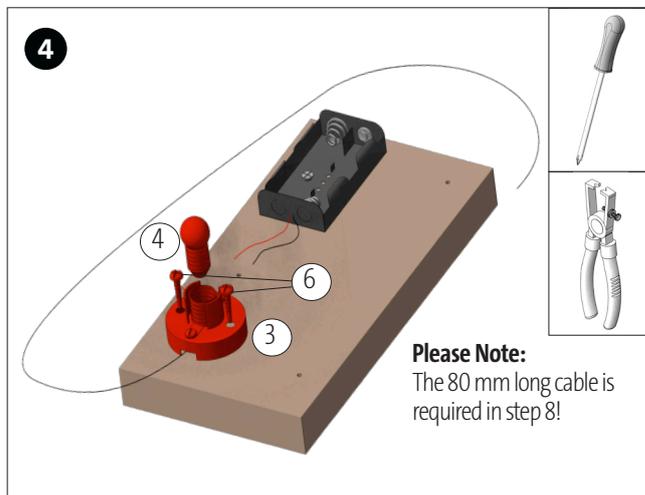
Screw on the battery holder (8) with the two screws (7) at the provided marks as shown.



Disconnect one pair of luster terminals from the luster terminal strip (9) and attach it to the intended position with the screw (6) as shown.

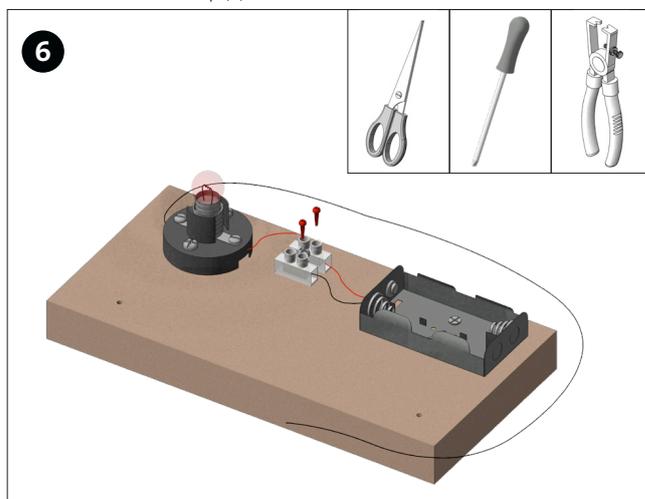


Bend the wire (2) according to the template (B/C) as shown. Bend one eyelet at each end of the wire as shown.

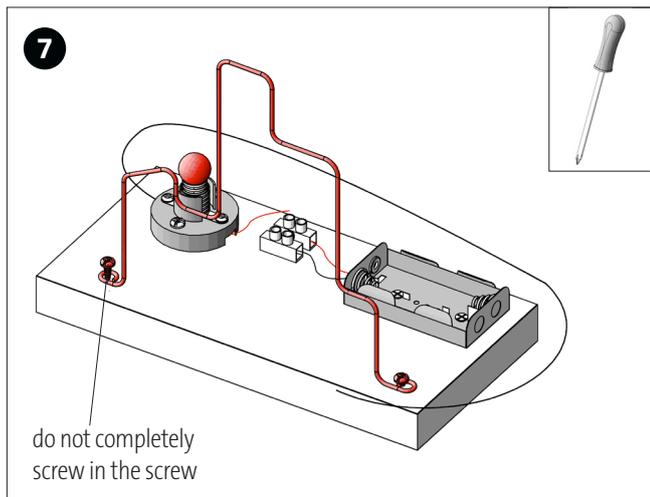


**Please Note:**  
 The 80 mm long cable is required in step 8!

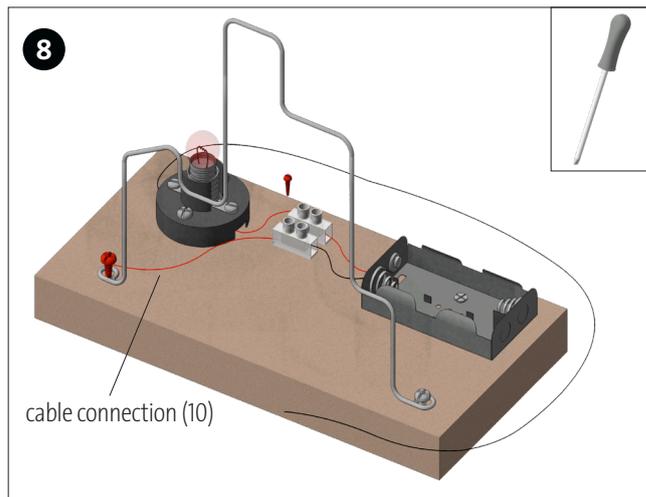
Cut a 80 mm long and a 40 mm long piece of the electrical wire (10) and remove the insulation on both sides. Remove the insulation from both ends of the long remaining piece as well. Connect the 40 mm and the long cable to the connections of the illumination socket (3). Then screw the illumination socket onto the base plate (1) with the screws (6) at the intended marking as shown. Screw in the lamp (4).



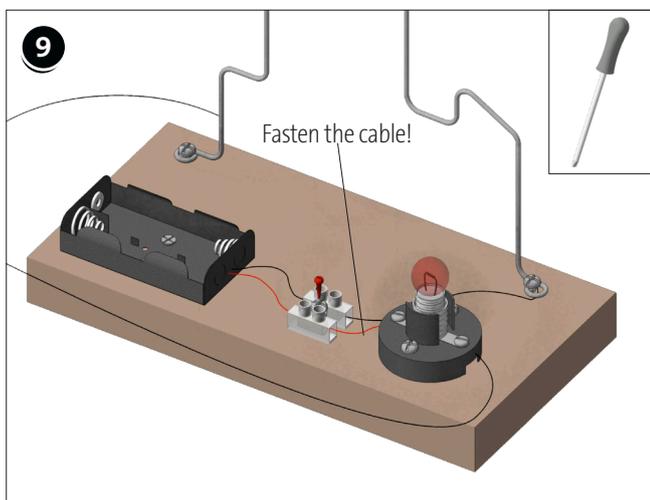
Shorten the cables of the battery holder to the required length and remove the insulation. Then insert into the luster terminal strip as shown and fasten by tightening the screws.



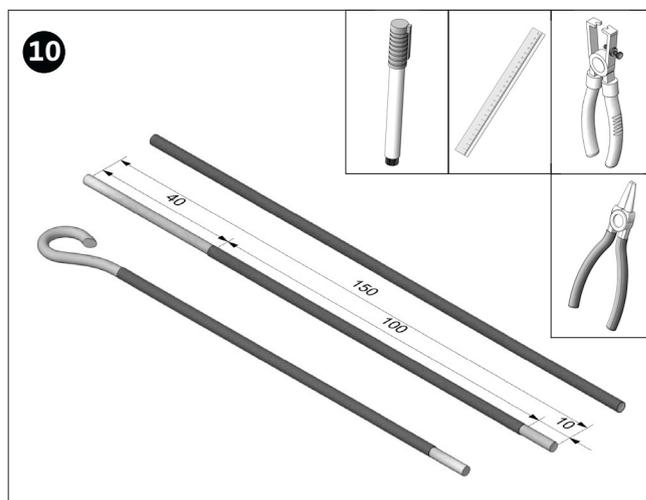
Screw on the bent wire structure (2) as shown with the screws (5) at the marked points. Do not completely screw in the screw, that is at height of the lamp.



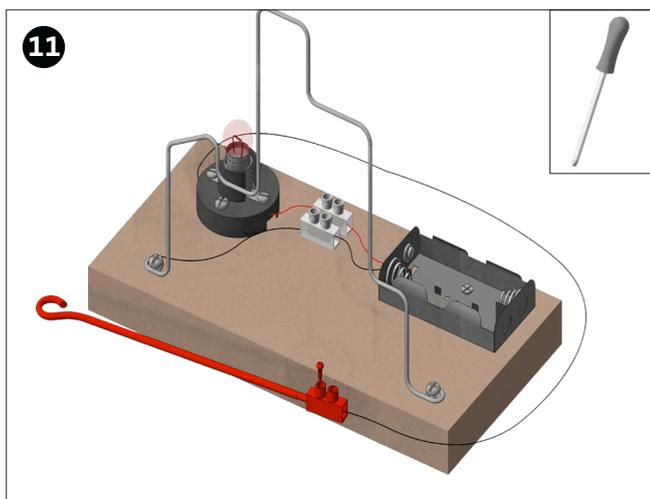
Insert the 80 mm long piece of the electrical wire(10) into the luster terminal strip and screw tight. Wrap the other end around the screw of the wire as shown and tighten it.



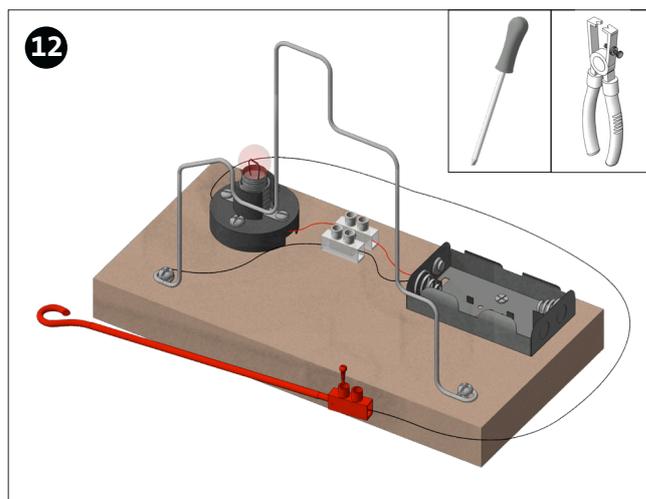
Insert the short (40 mm) cable of the illumination socket into the luster terminal strip as shown and screw tight.



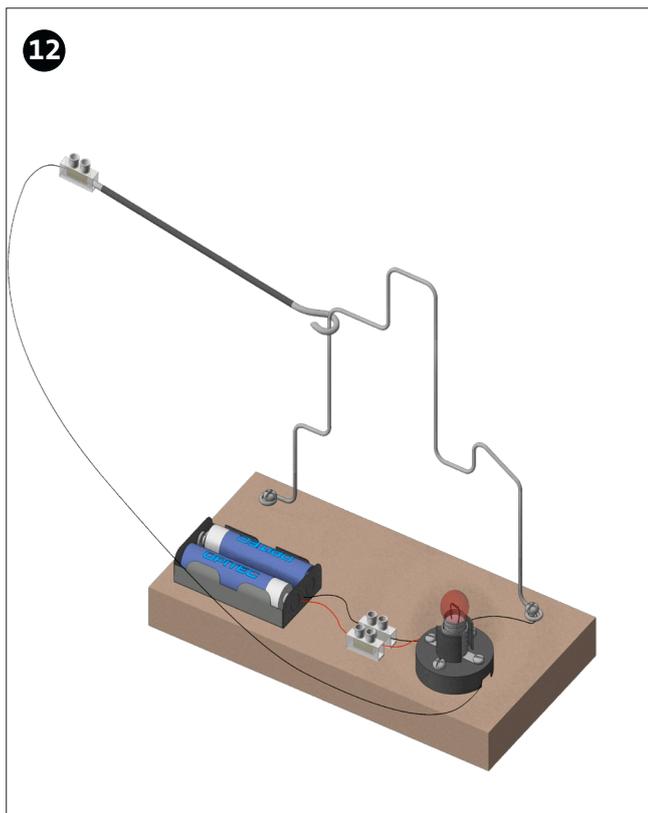
Measure and mark 40 mm of one end of the insulated wire (11) and 10 mm on the other end. Then remove the insulation. Bend the long end to a hook.



Connect the long cable of the illumination socket to the luster terminal (9) as shown.



Screw the guide arm into the lustre terminal.  
 Finished!



**Functional Description:**

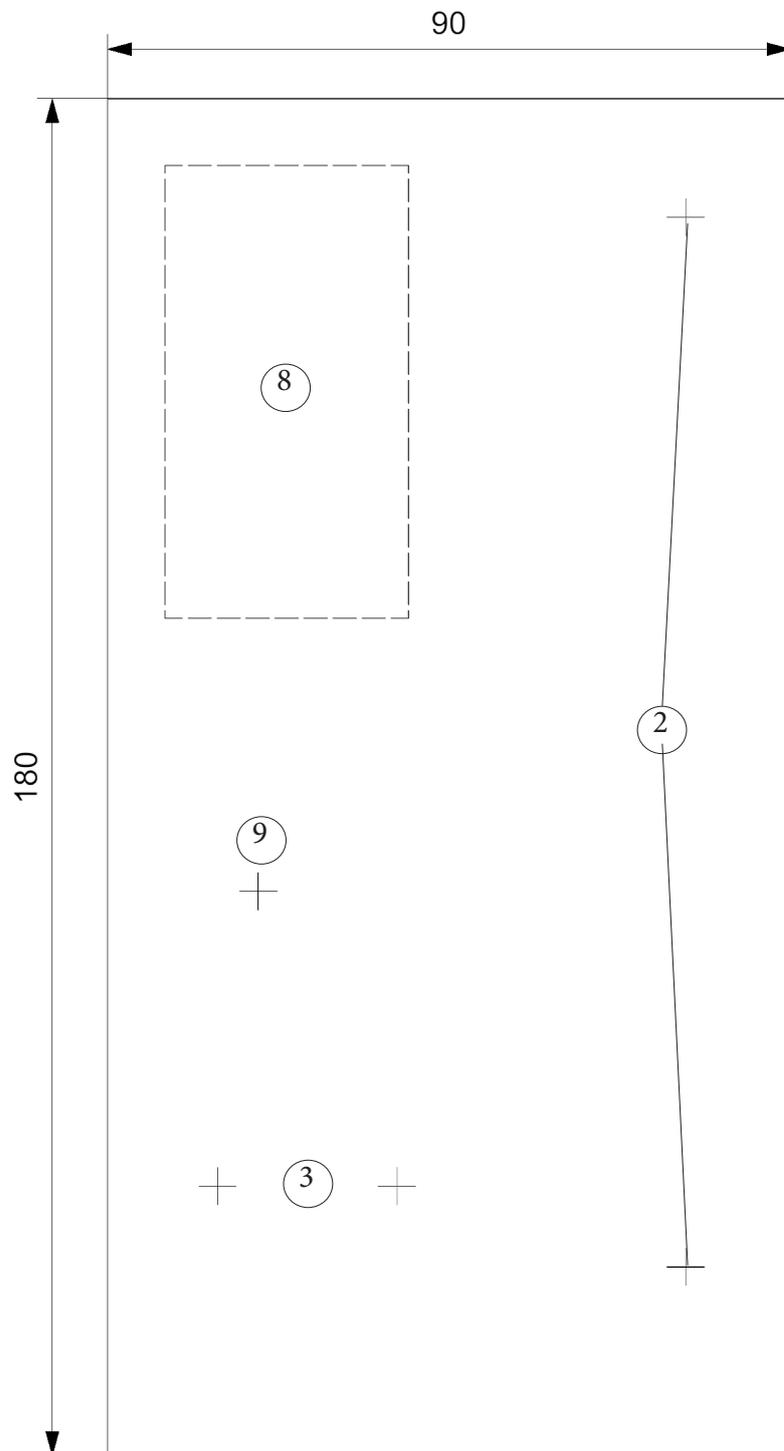
Insert batteries (2x AA Mignon).

Thread in the guide arm and guide it along the curved wire. Make sure that the loop does not touch the wire construction.

If the wire is touched, the signal lamp lights up and you have to start again.

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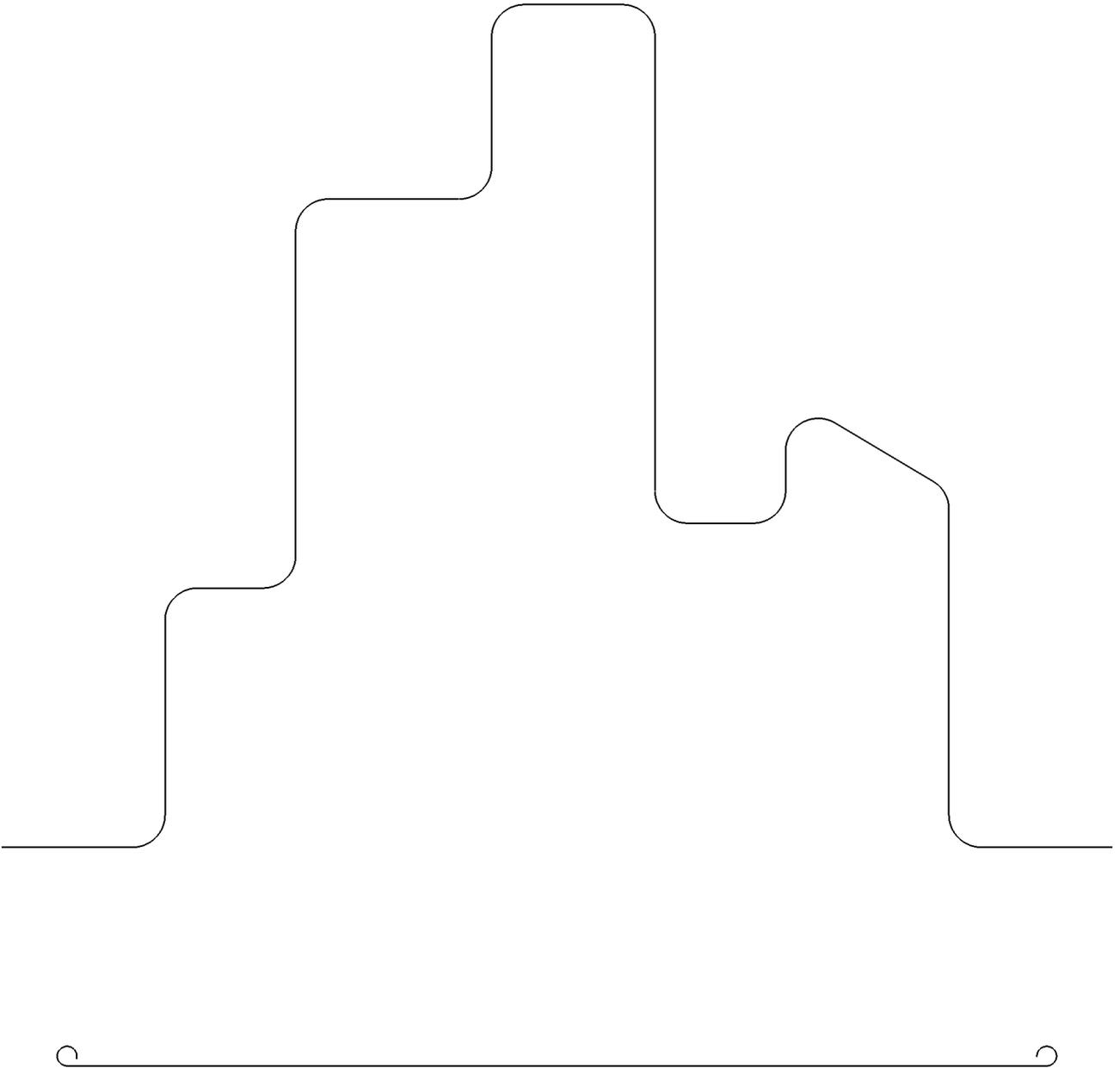
A  
1:1





213.841

B  
1:1





213.841

C  
1:1

