Third International Conference - **CONSOLFOOD**2020

Advances in Solar Thermal Food Processing - 22-23-24 January 2020

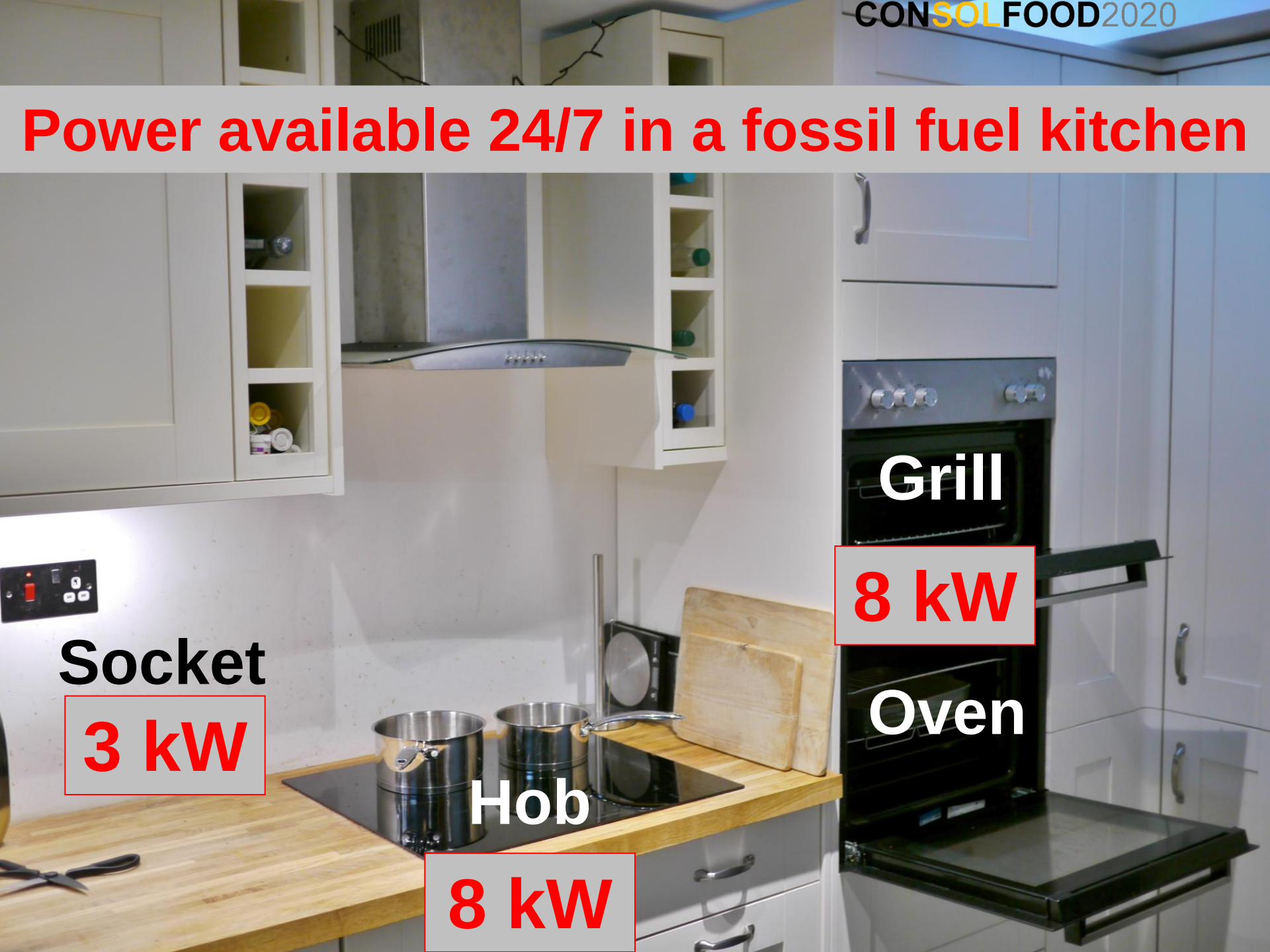
At your convenience:

Which solar cookers are most convenient?

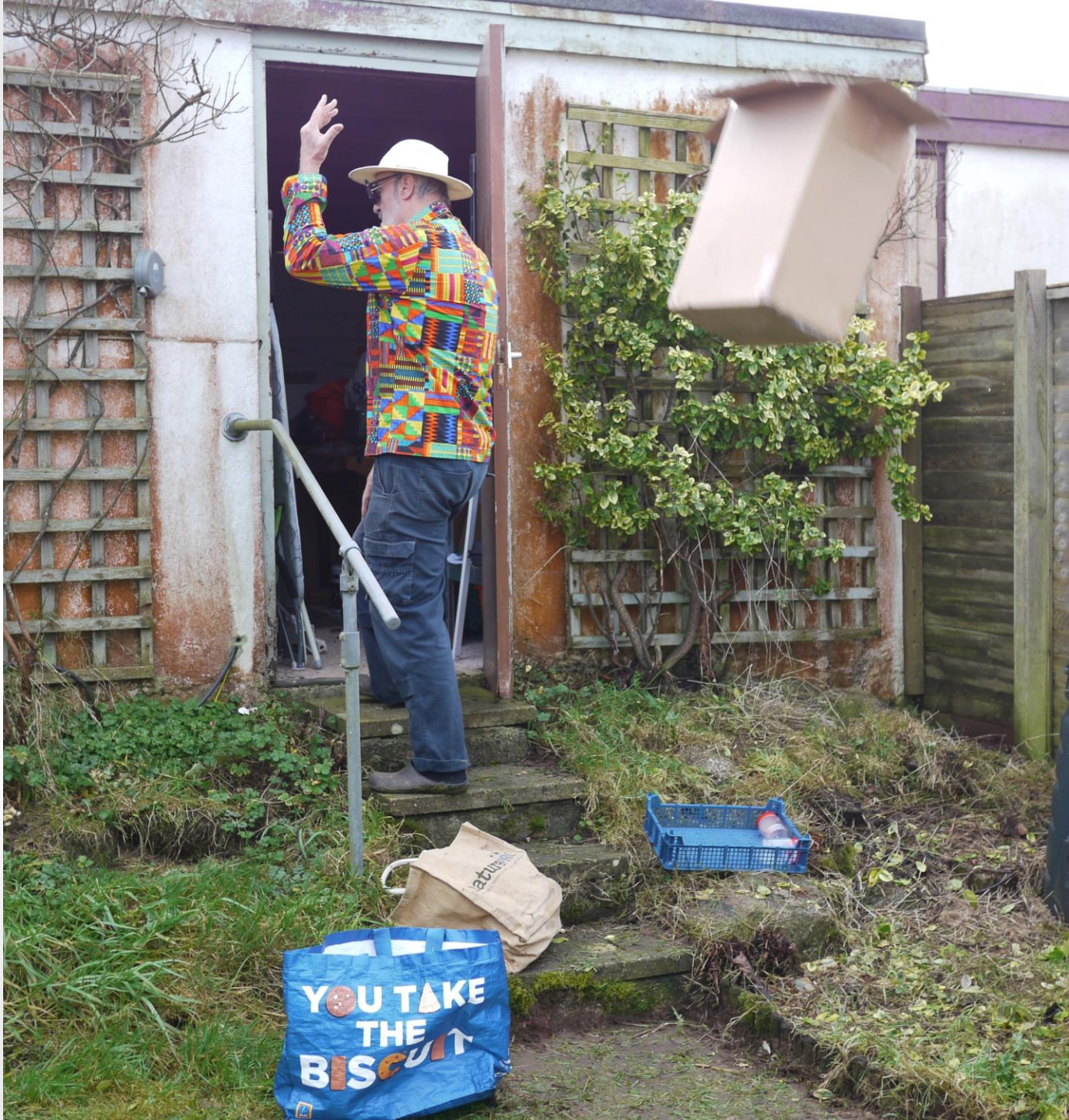
Stewart Maclachlan & Dave Oxford

SLiCK UK

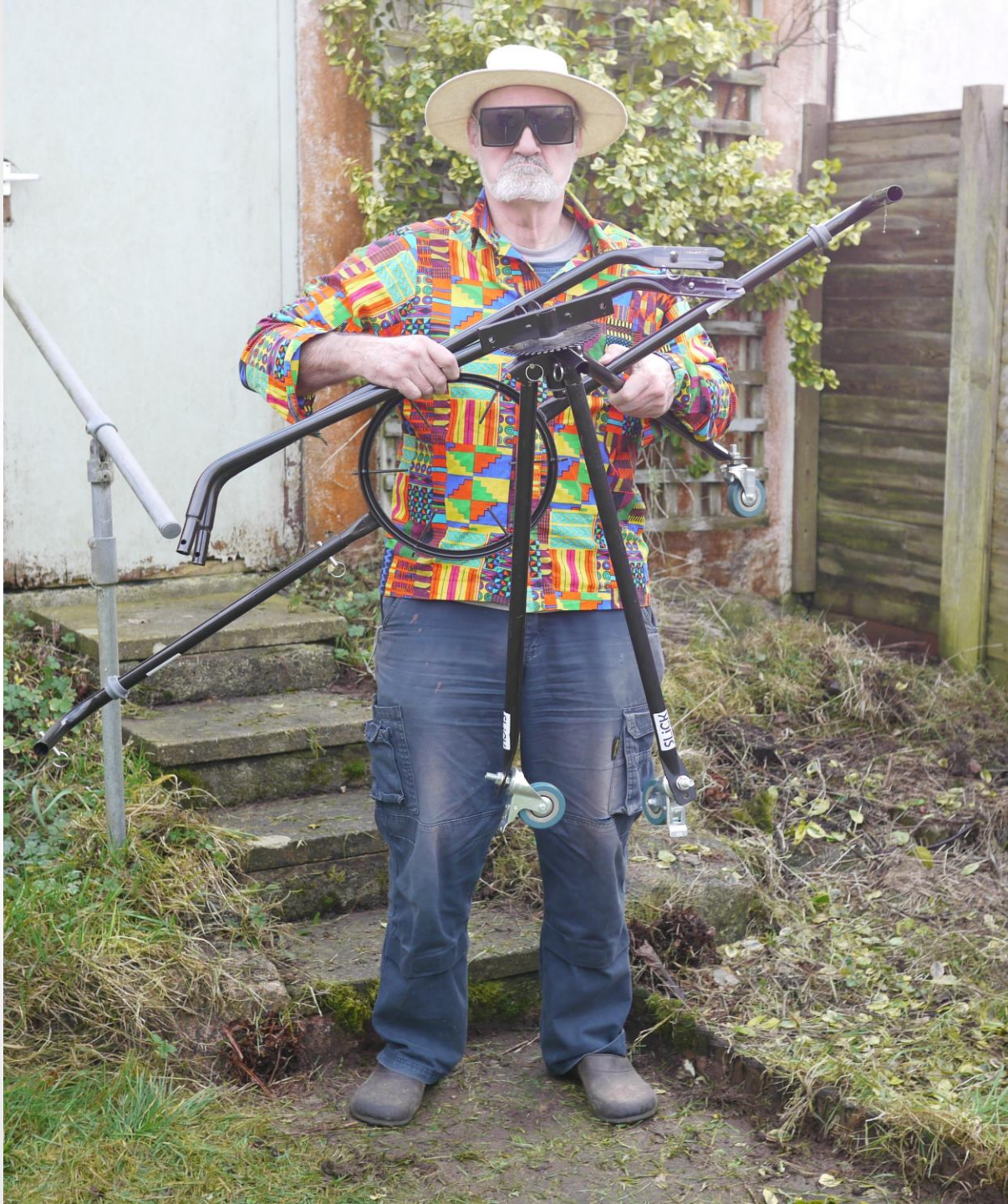
Power available 24/7 in a fossil fuel kitchen



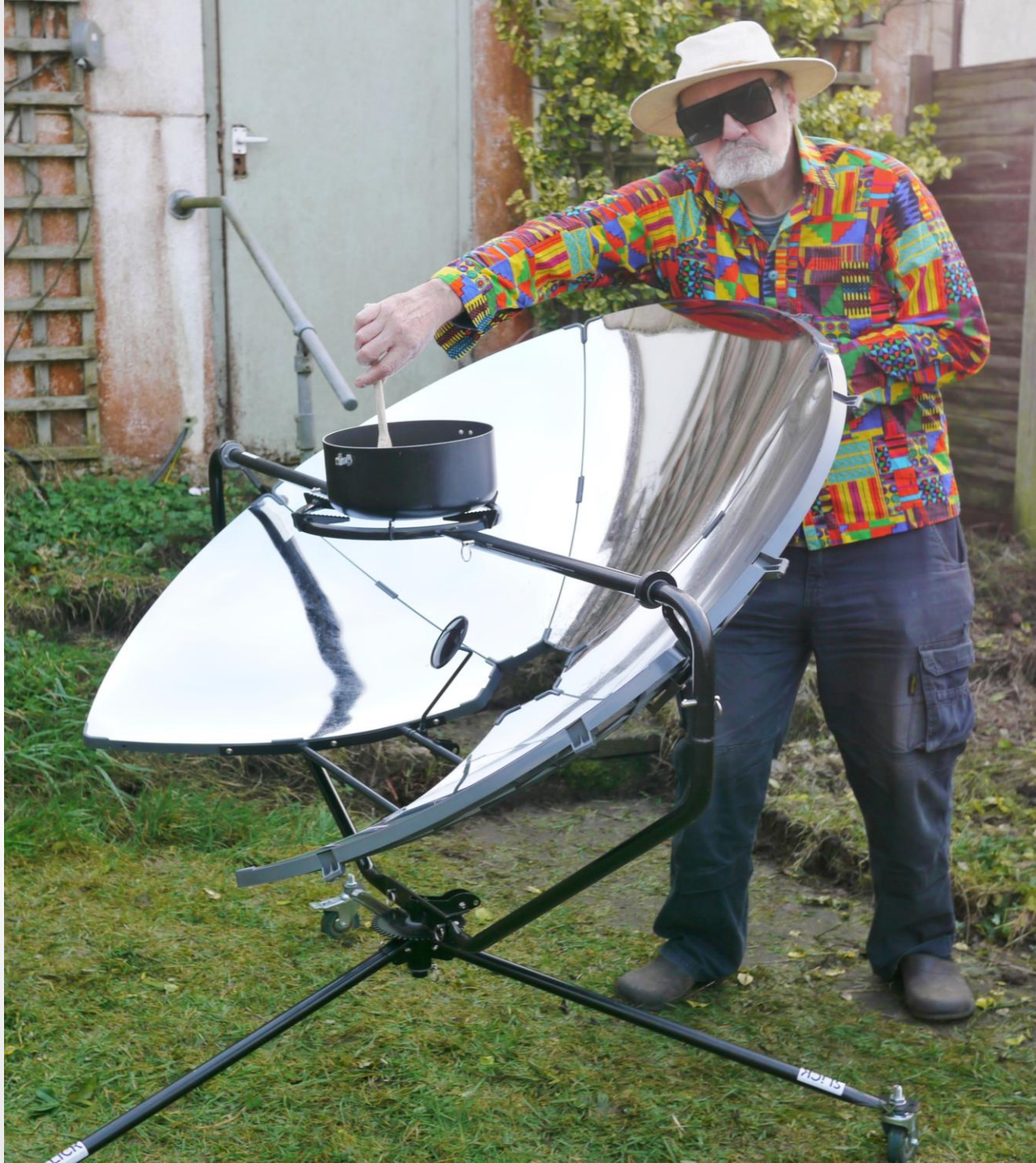
.. you can't FIND it …



.. you have to ASSEMBLE it …



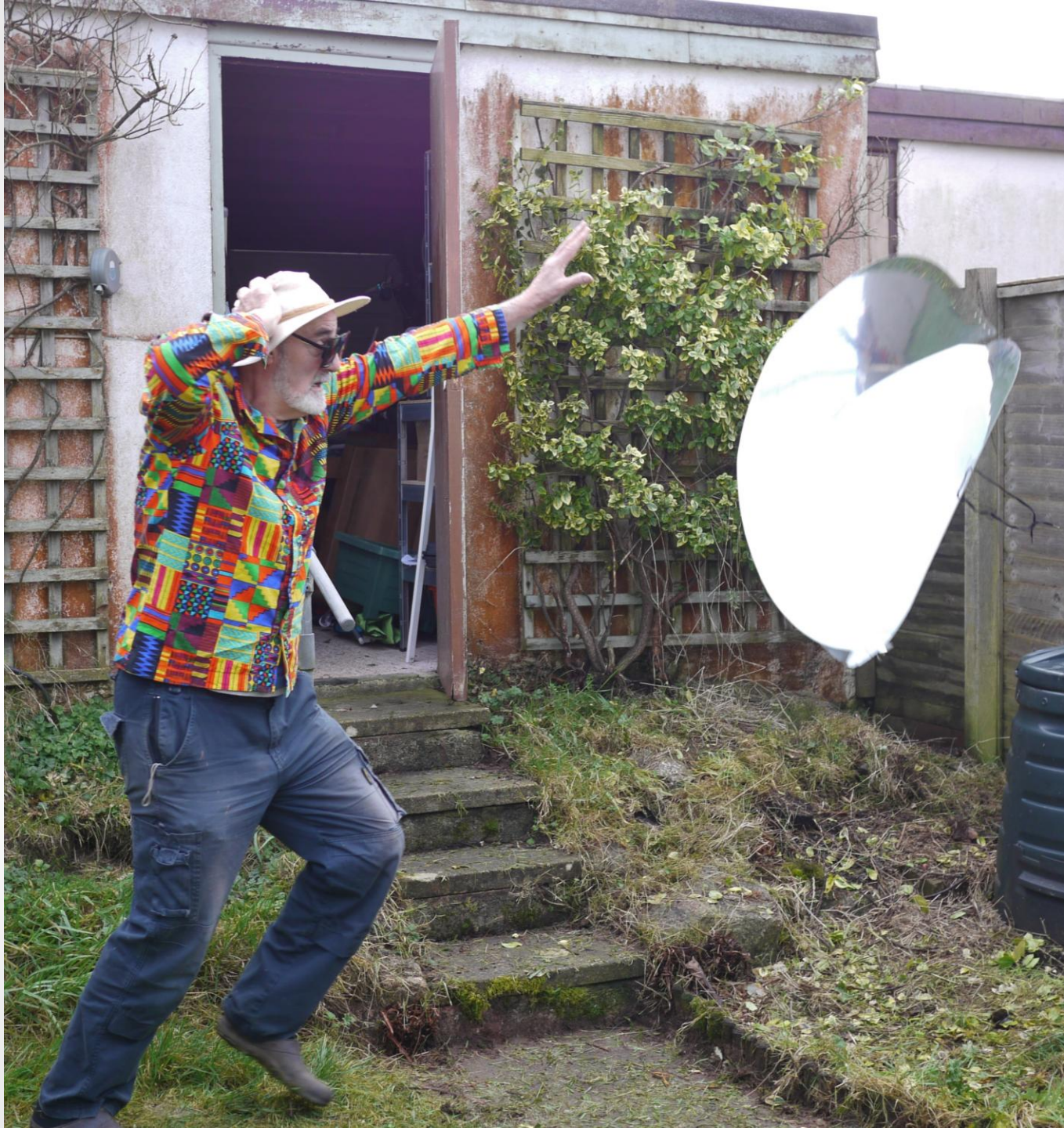
.. you can’t REACH the food ..



.. it

BLOWS

AWAY ..

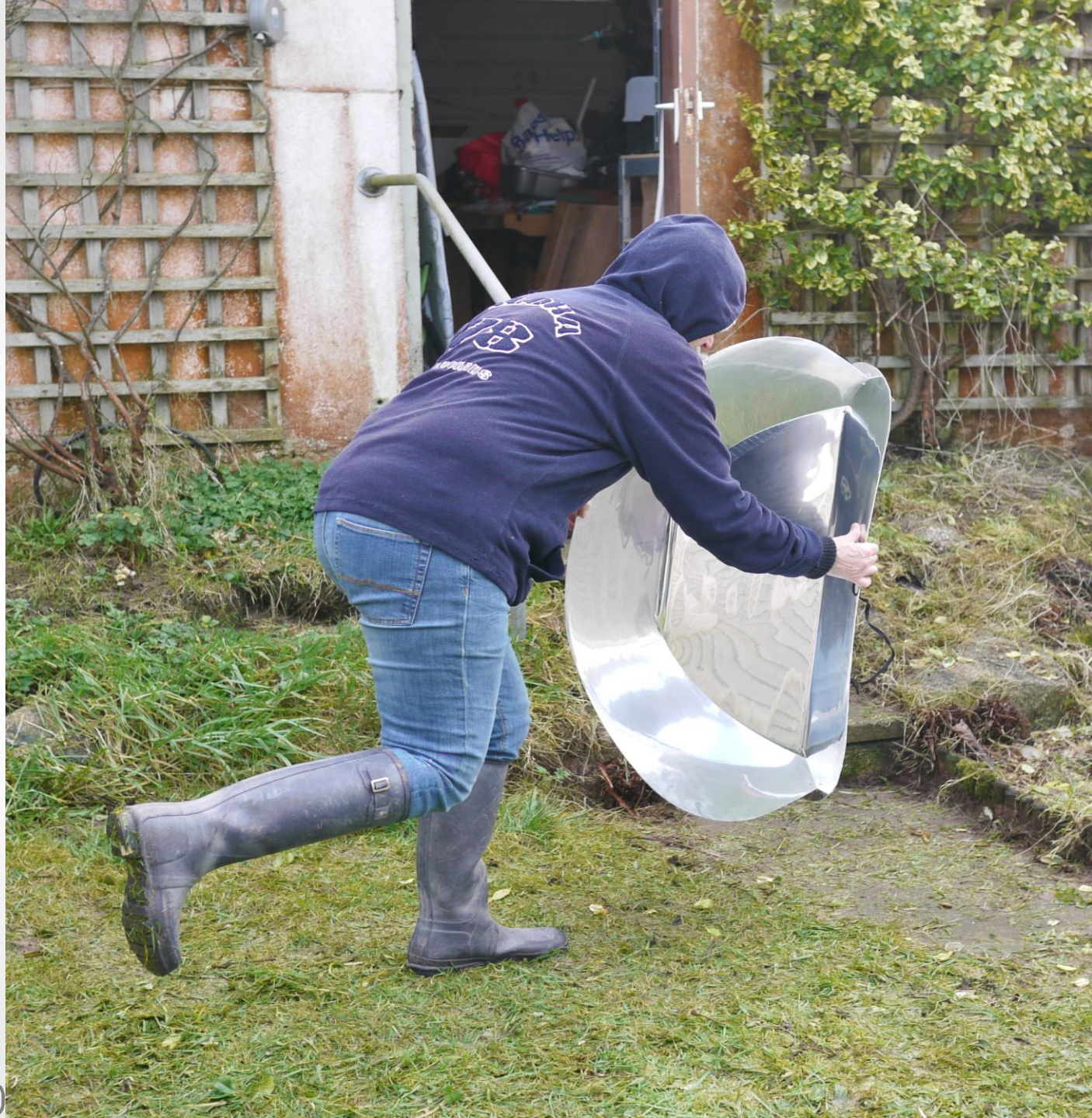


.. it is

easy to

STEAL

..

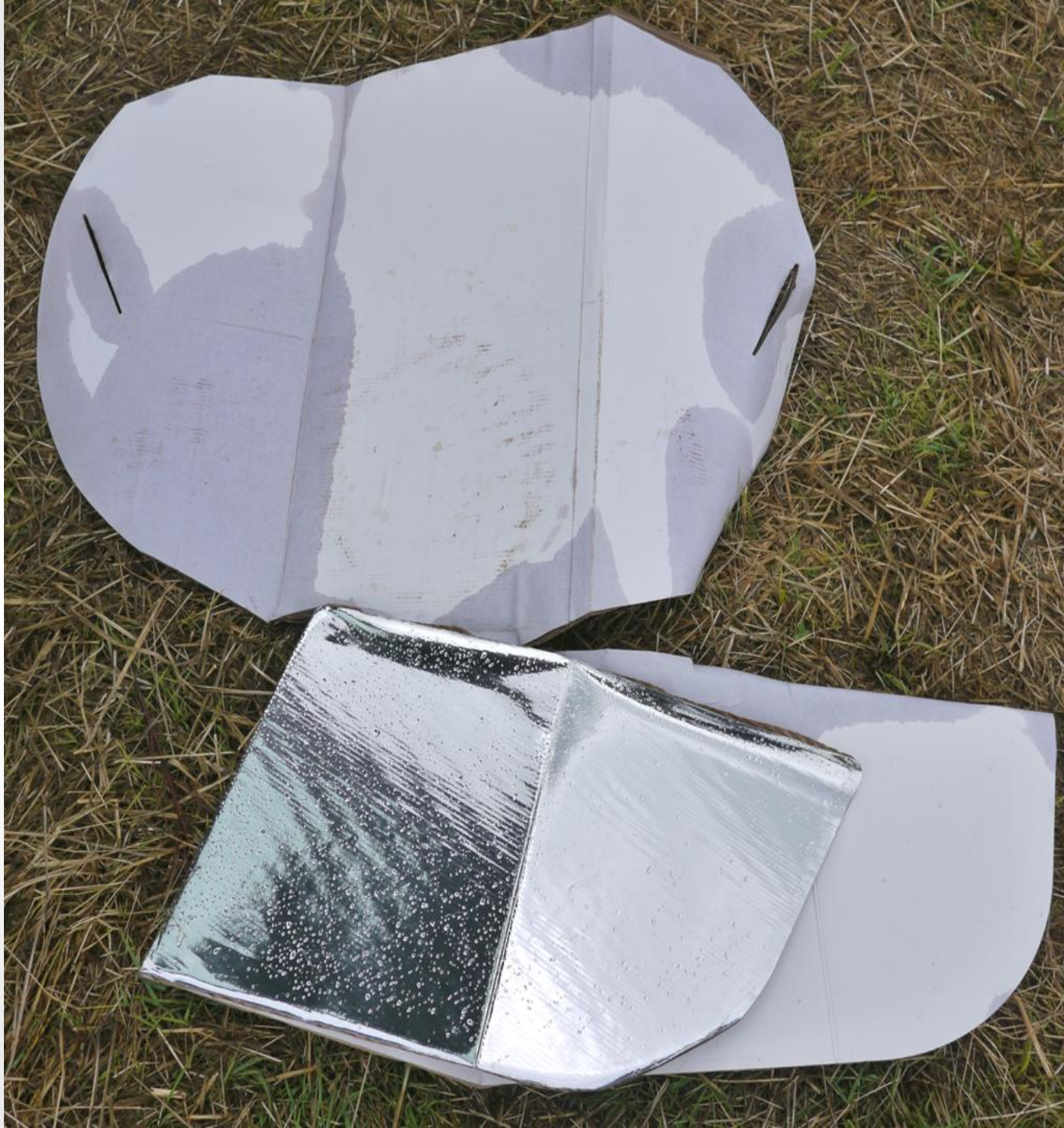


it ..

MELTS

in the

rain ..



A convenient solar cooker?

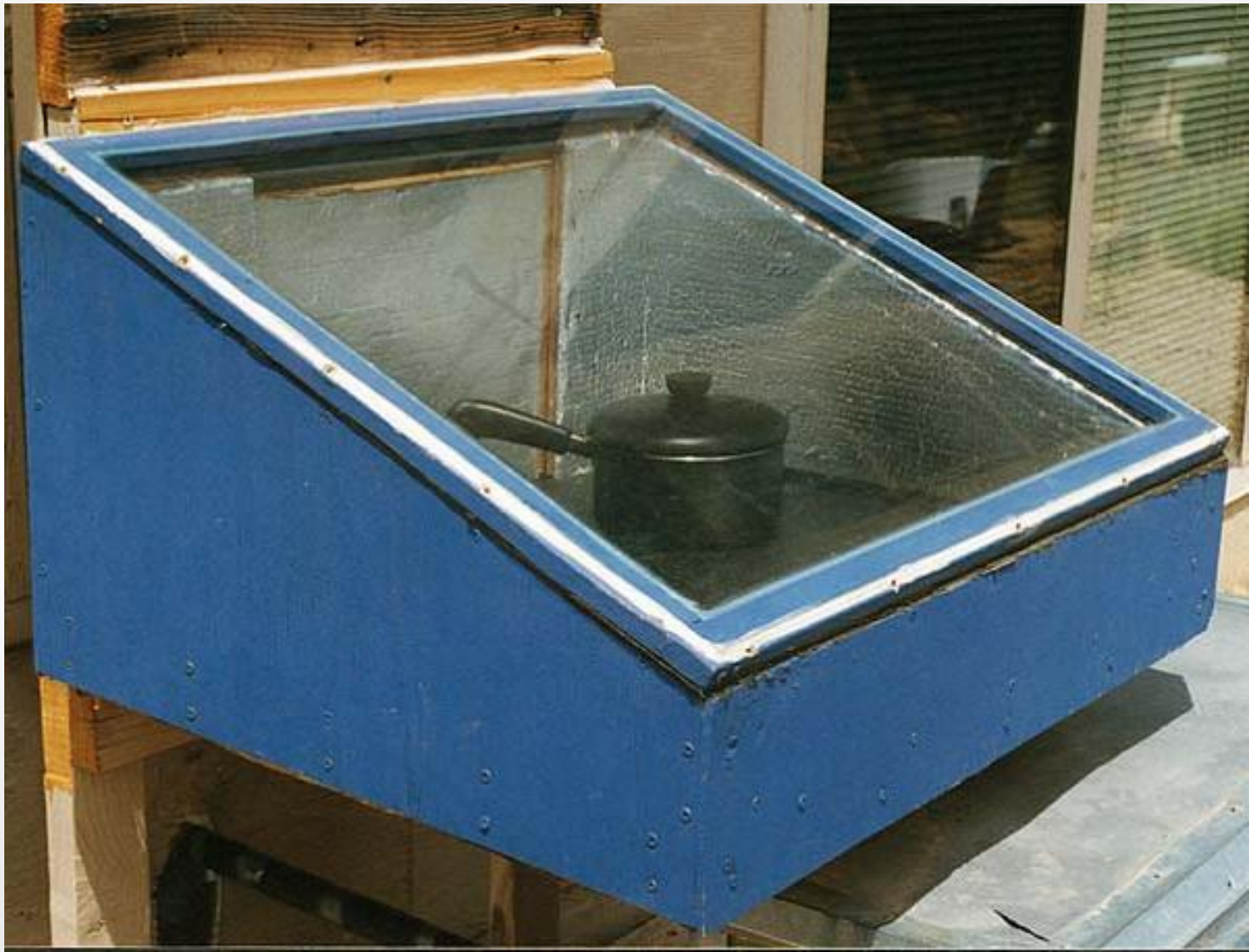
- Always ready to use
- Weather-proof
- Difficult to steal
- Suited to the local climate
- Easy to use
- Sufficient capacity
- Use from inside the house?

In-wall box cooker

Designers:

Paul Funk /

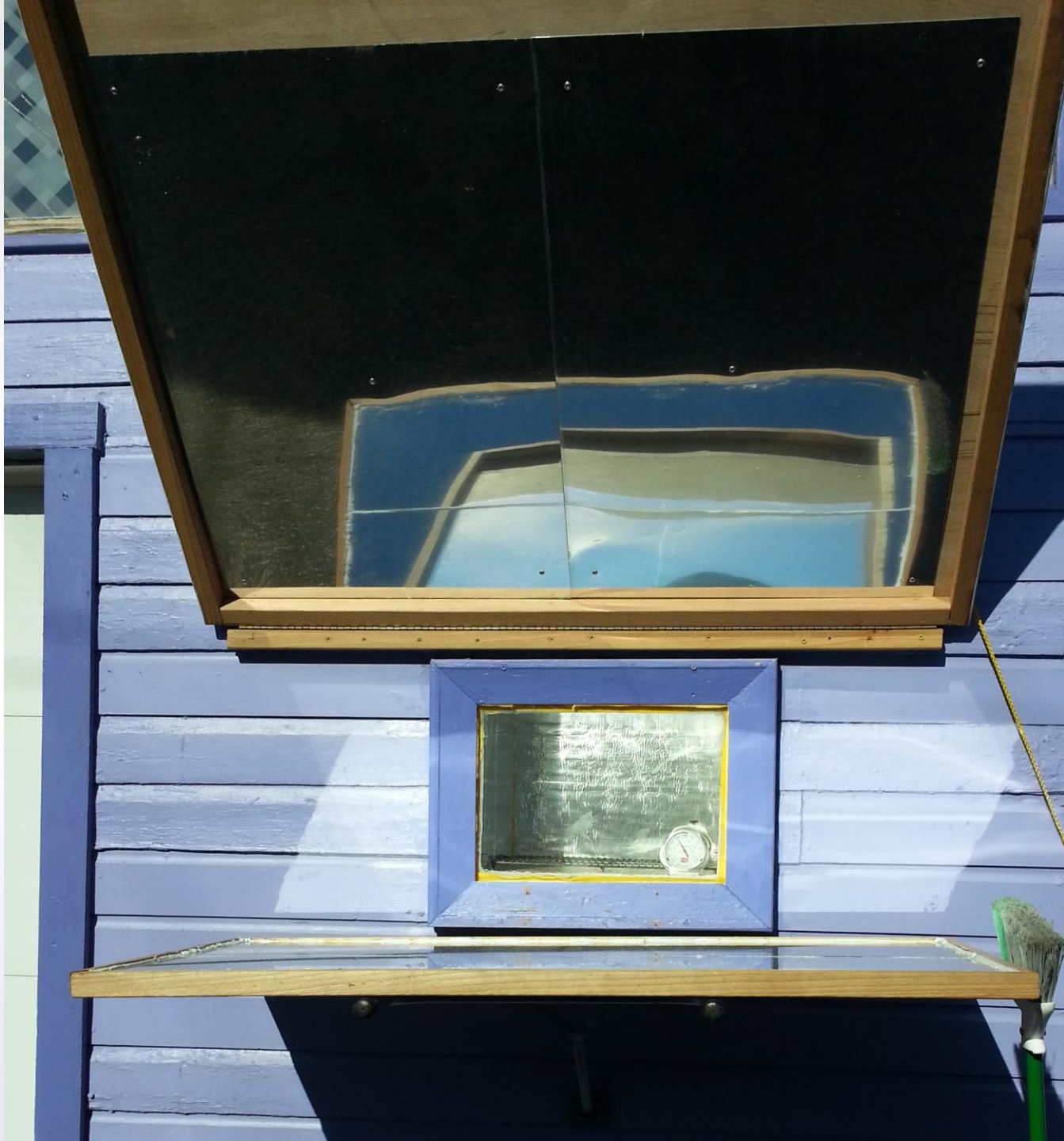
Barbara Kerr



In-wall box cooker

Designer:

Luther Krueger



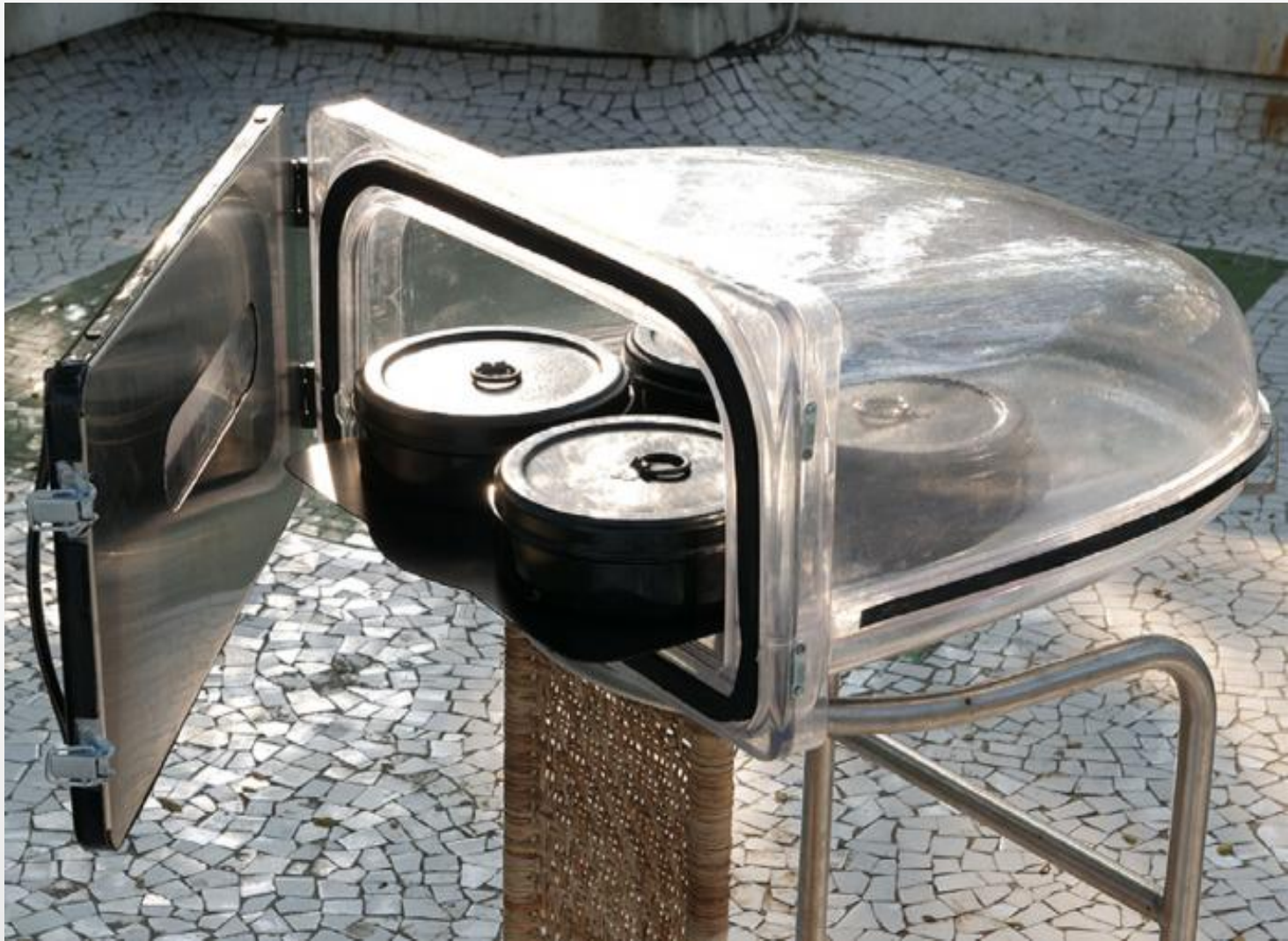
Sunrice - In-wall box cooker

Designer:

Avinash Prabhune

Organisation:

Design Innovation Centre, Bombay



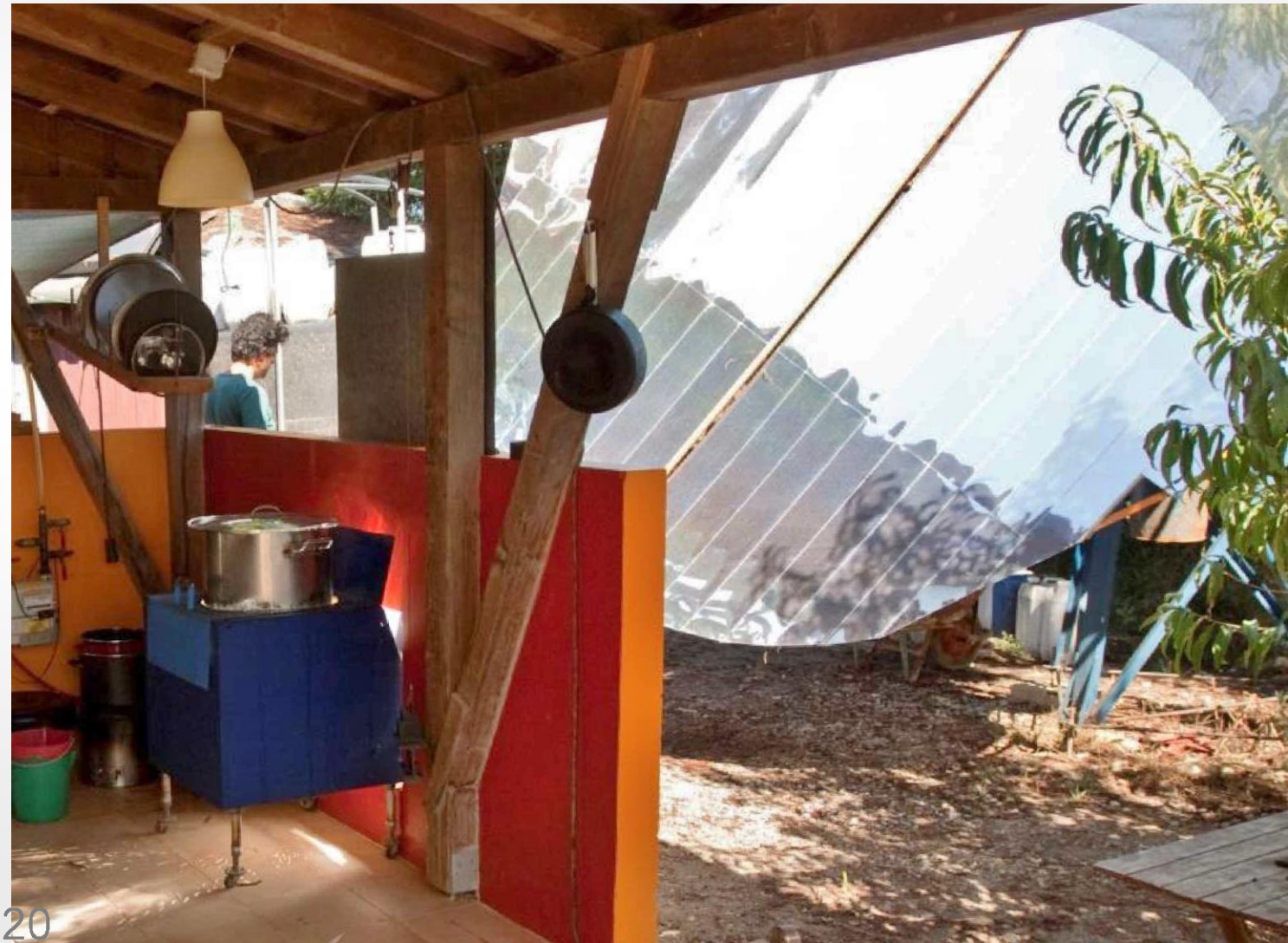
Eccentric flexible solar tracking parabolic reflector

Designer:

Wolfgang Scheffler

Organisation:

Solare Bruecke



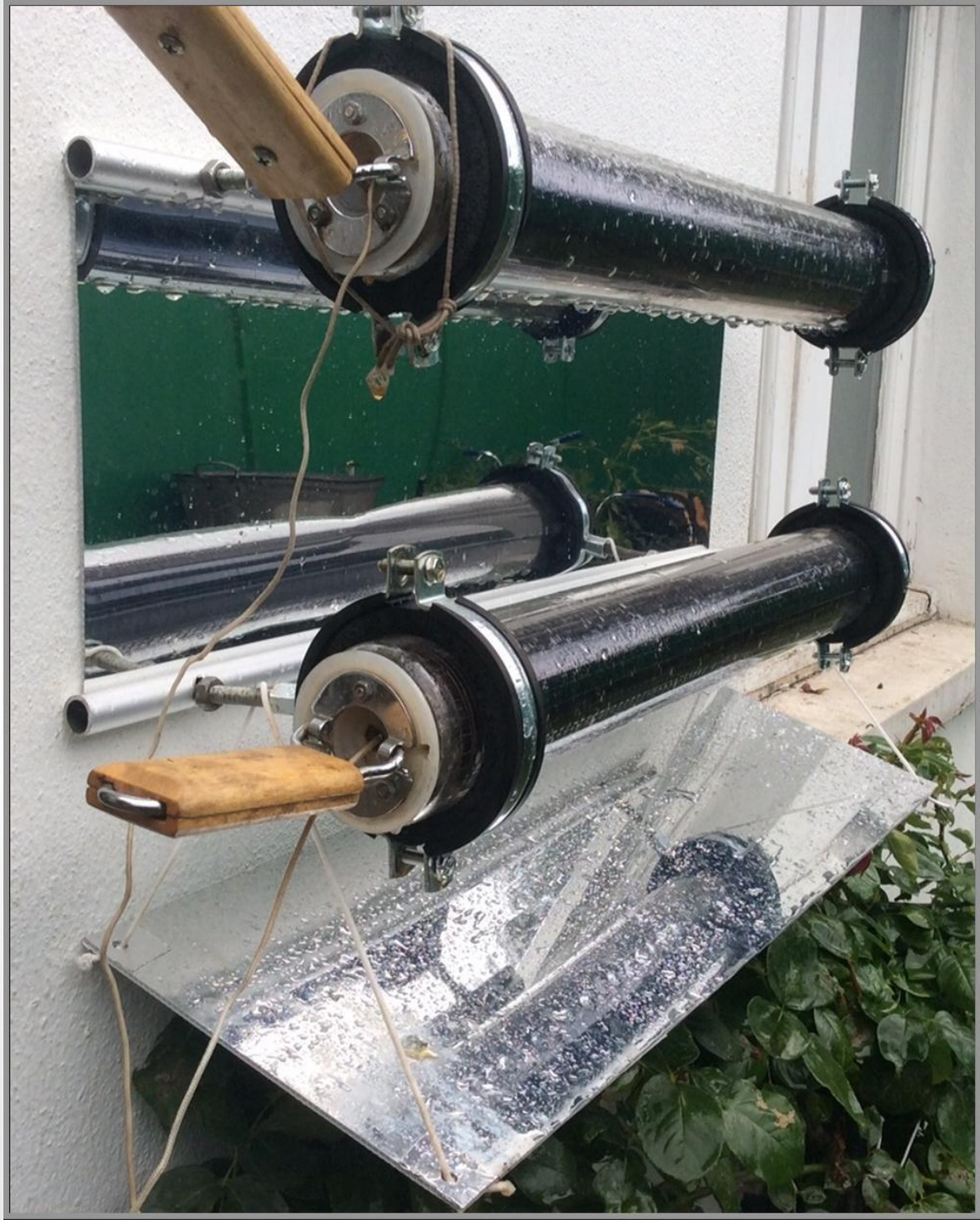
Wall-mounted evacuated tube

Designer:

Stewart Maclachlan

Organisation:

SLiCK UK



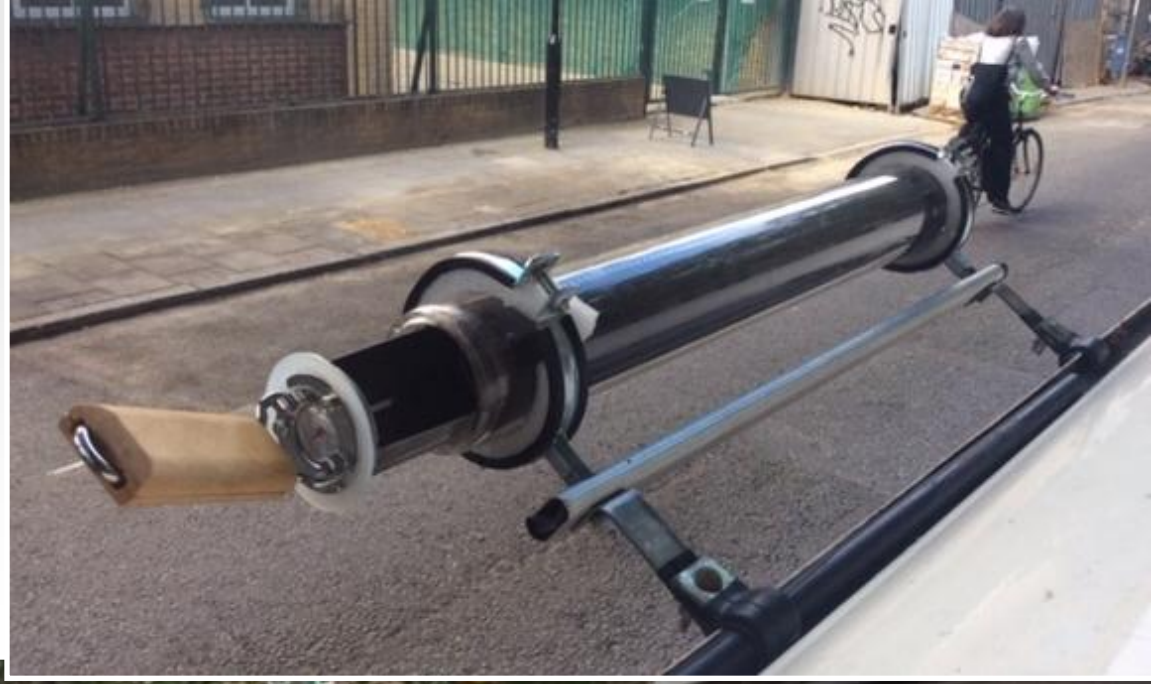
VW-mounted evacuated tube

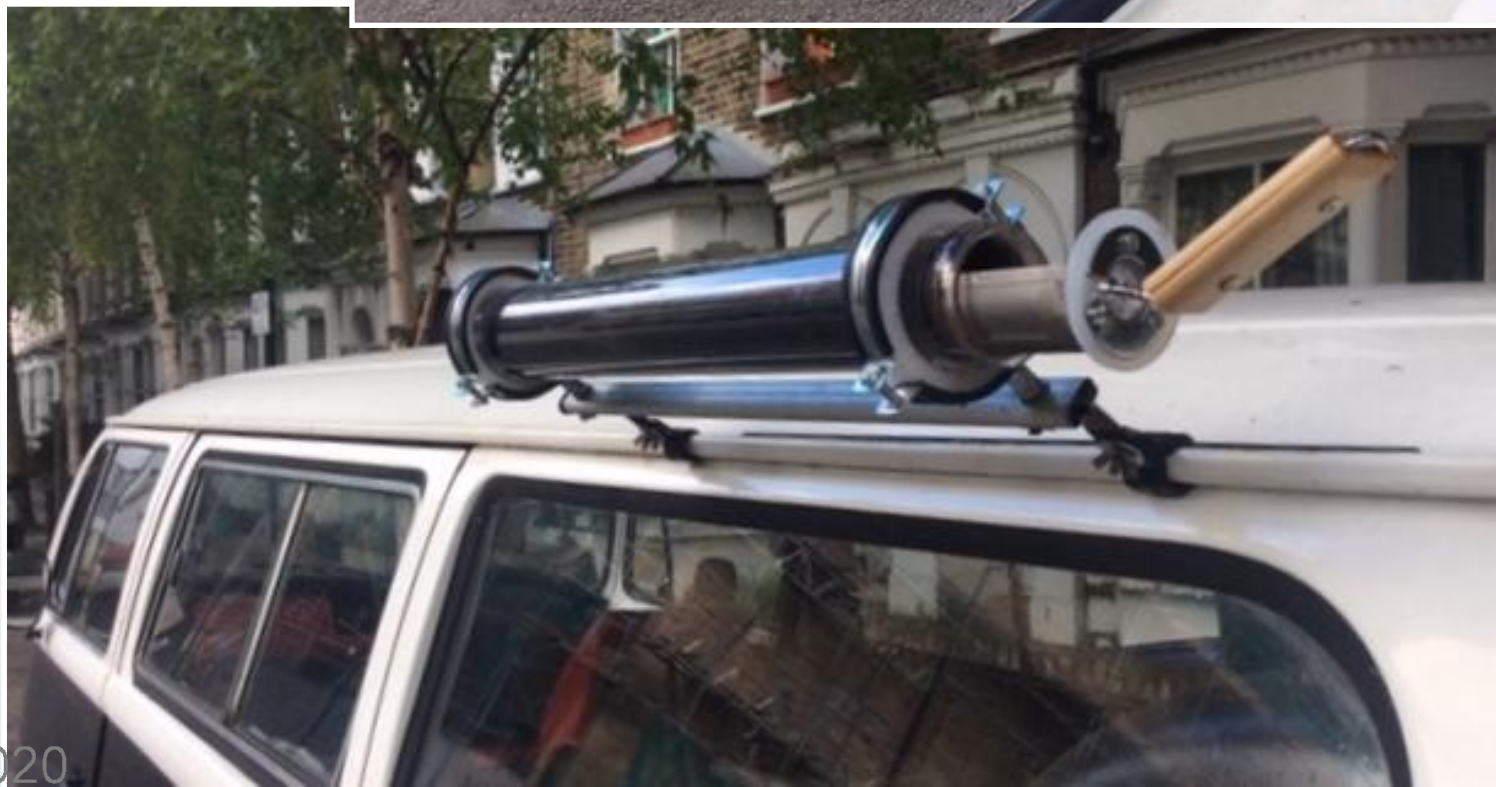
Designer:

Stewart Maclachlan

Organisation:

SLiCK UK





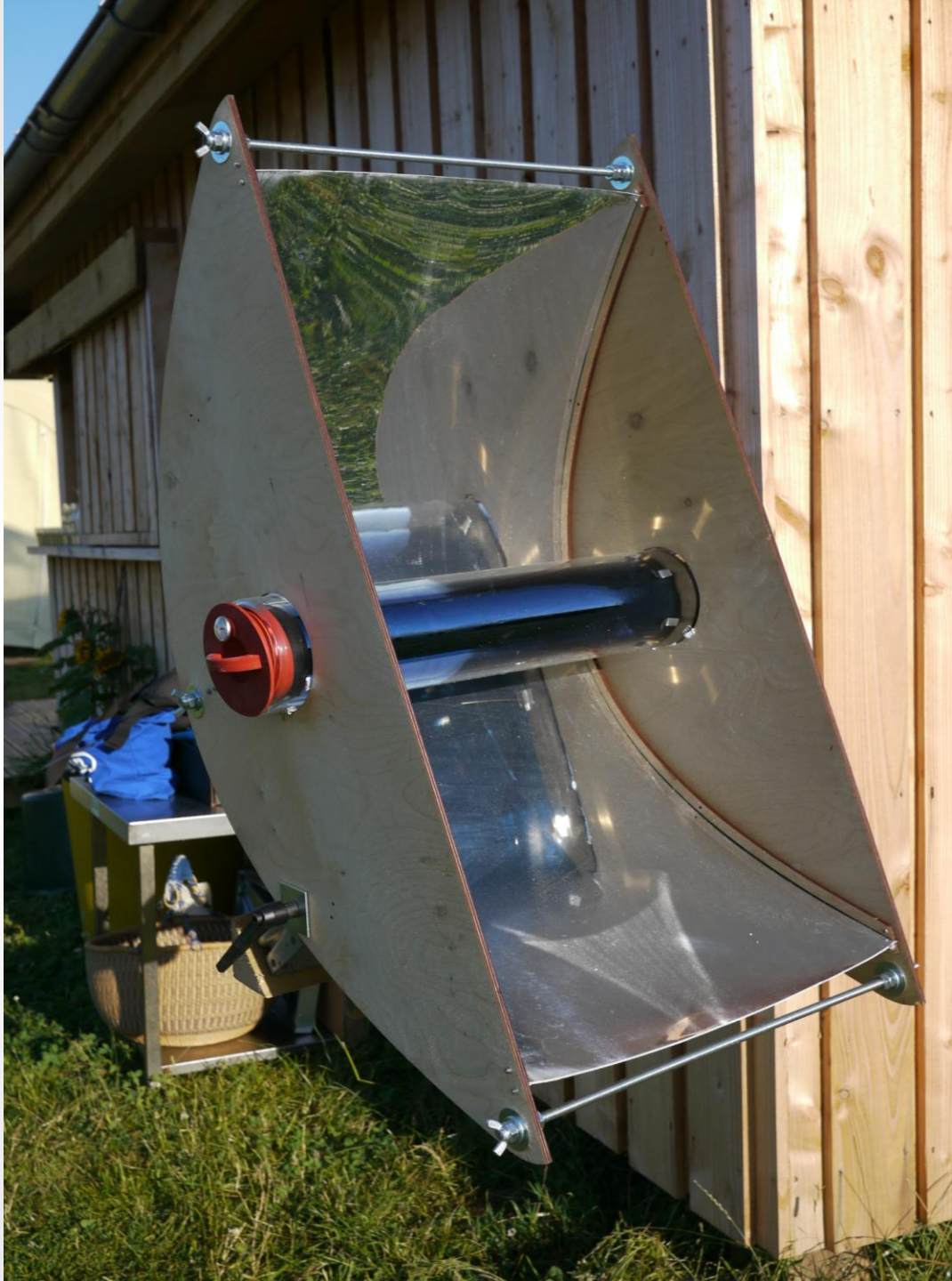
Tilty2 - wall-mounted parabolic trough evacuated tube

Designer:

Dave Oxford

Organisation:

SLiCK UK



Wall-mounted box cooker

Designer:

Johan Van Wyk

Organisation:

Solar Genius

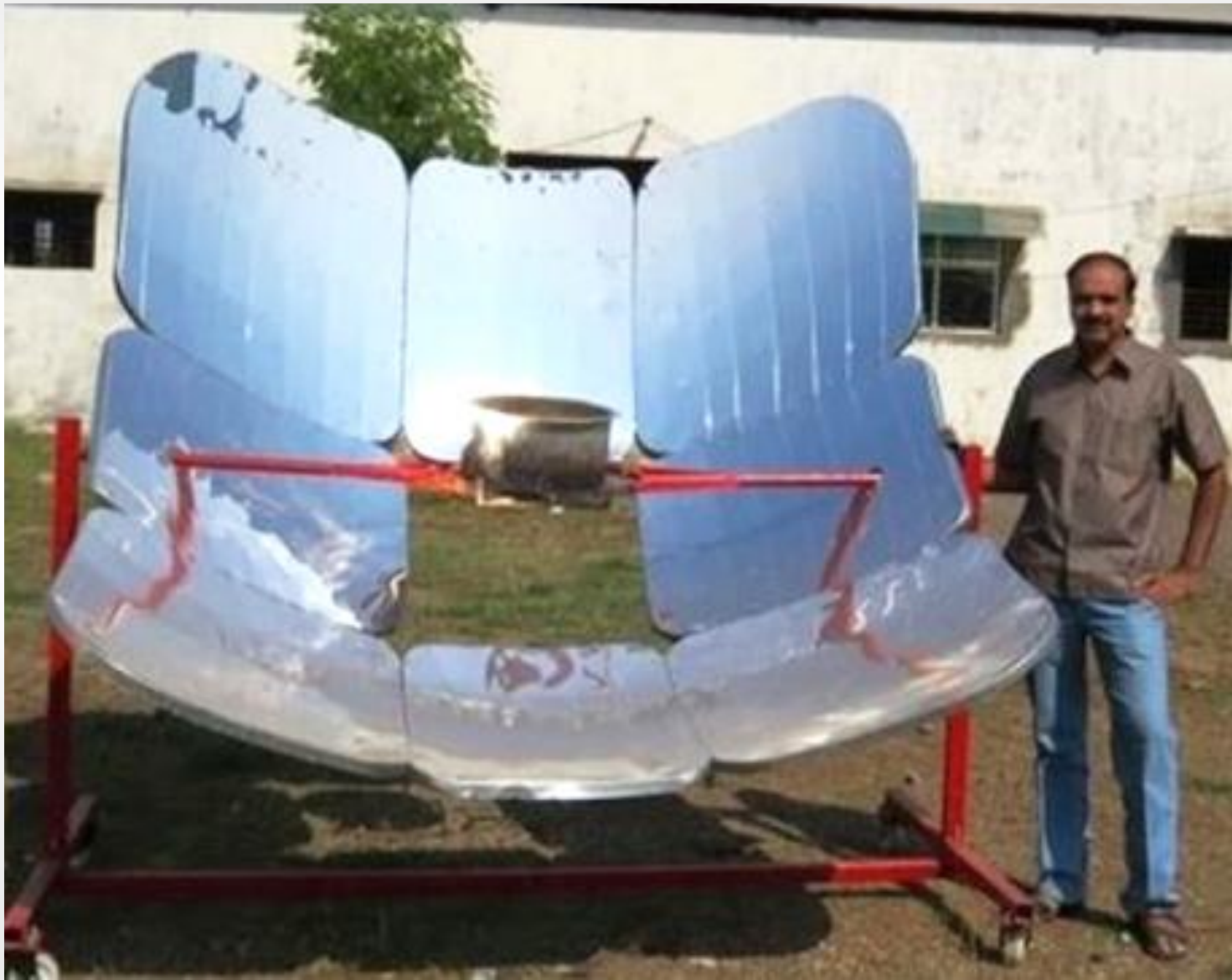
Prince 40 - parabolic reflector

Designer:

Ajay Chandak

Organisation:

PRINCE



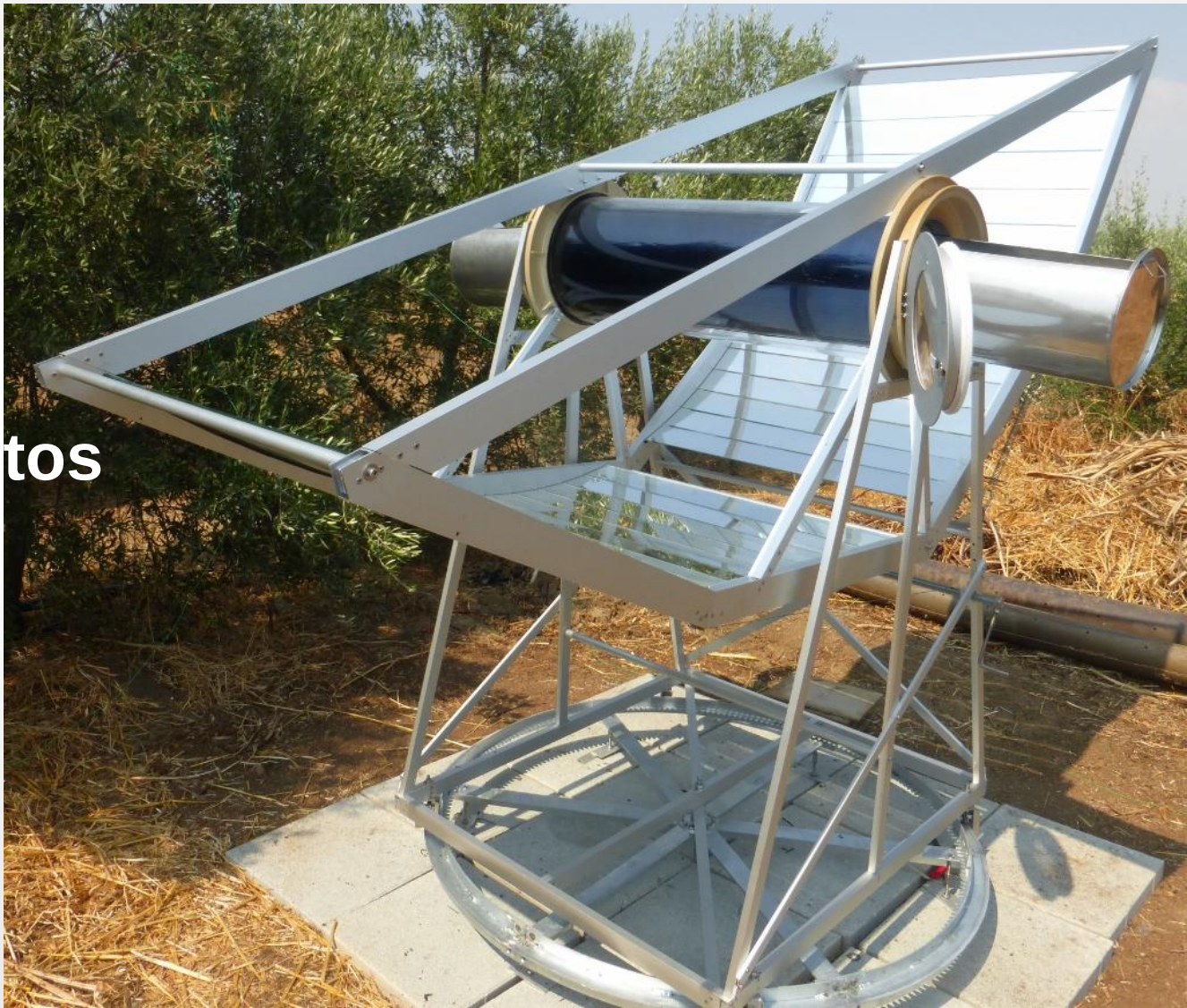
Maxi XXL - parabolic trough evacuated tube

Designer:

Savvas Hadjixenophontos

Organisation:

Fornelia



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Designer:

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Organisation:

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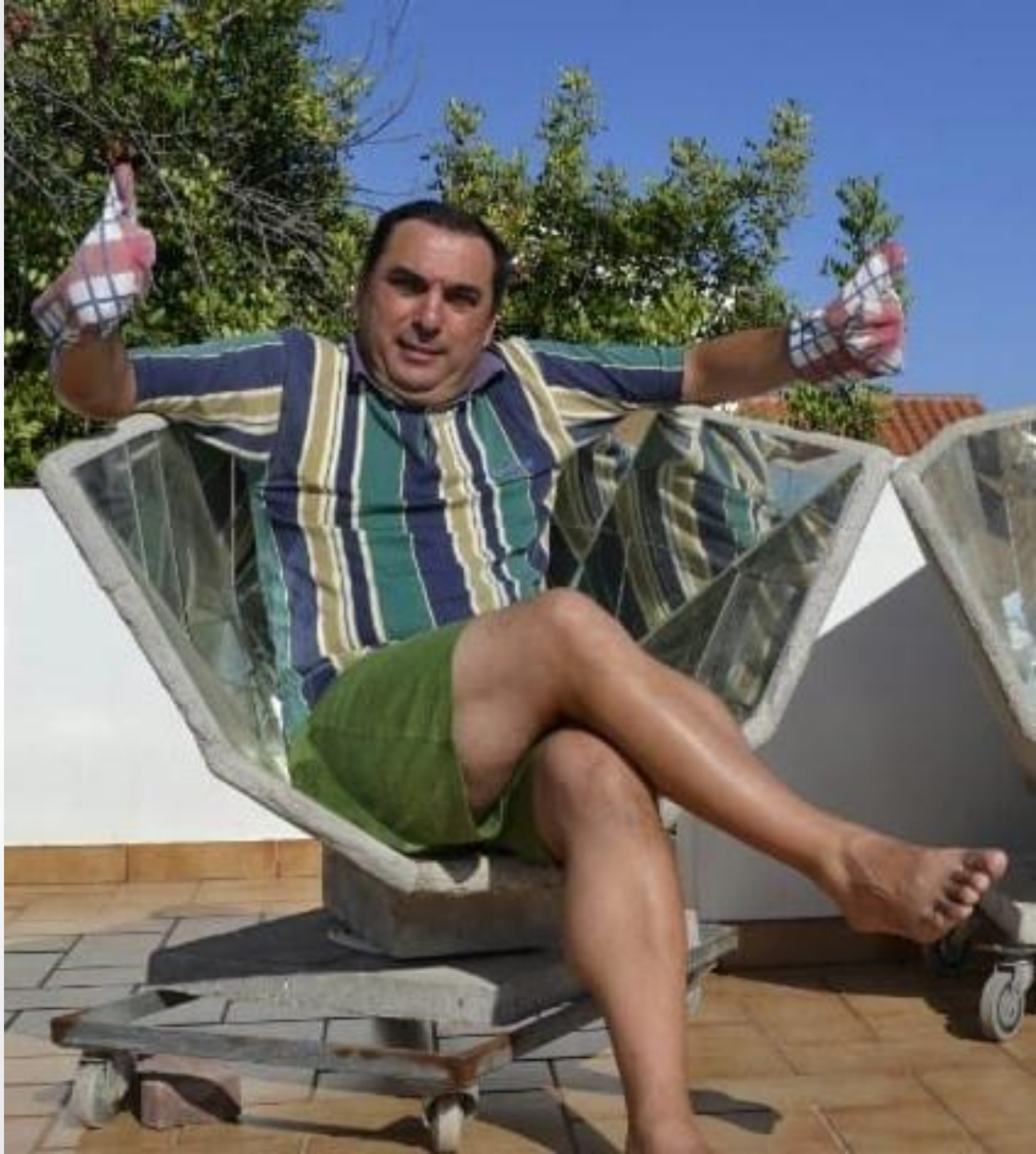

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Designer:

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Organisation:

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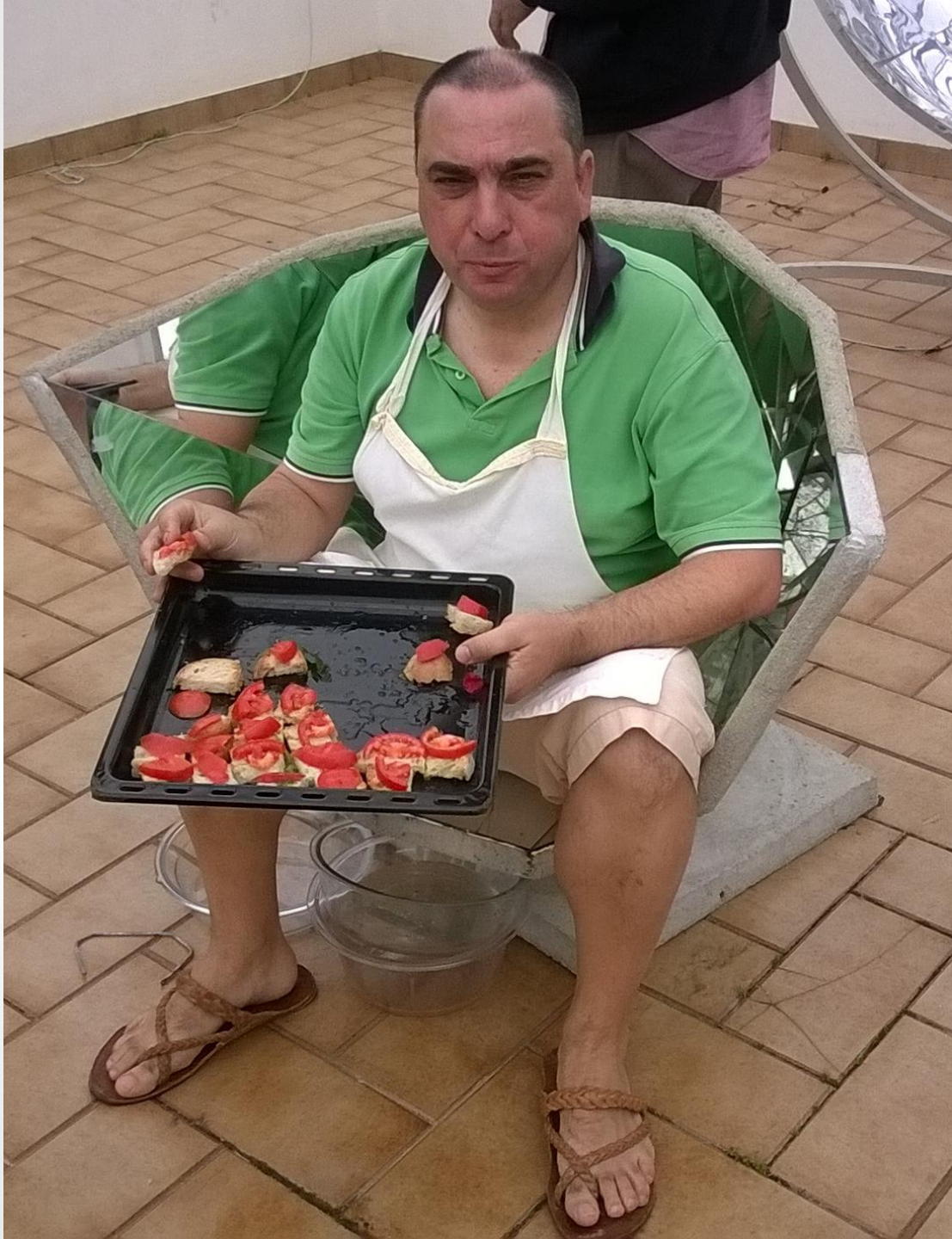


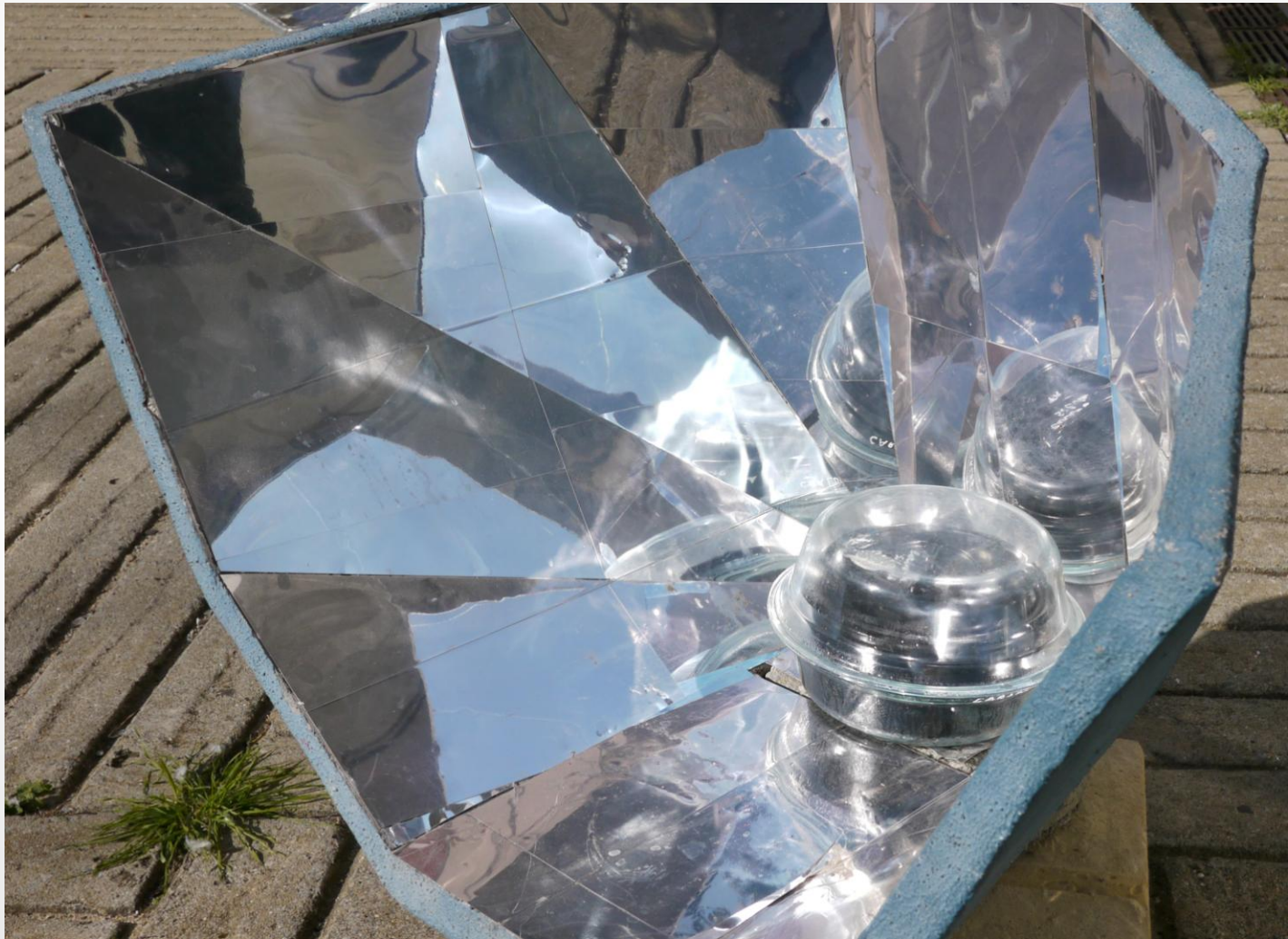
Pukka - concrete funnel cooker

Designer:

Celestino Ruivo

Organisation:

University of the Algarve



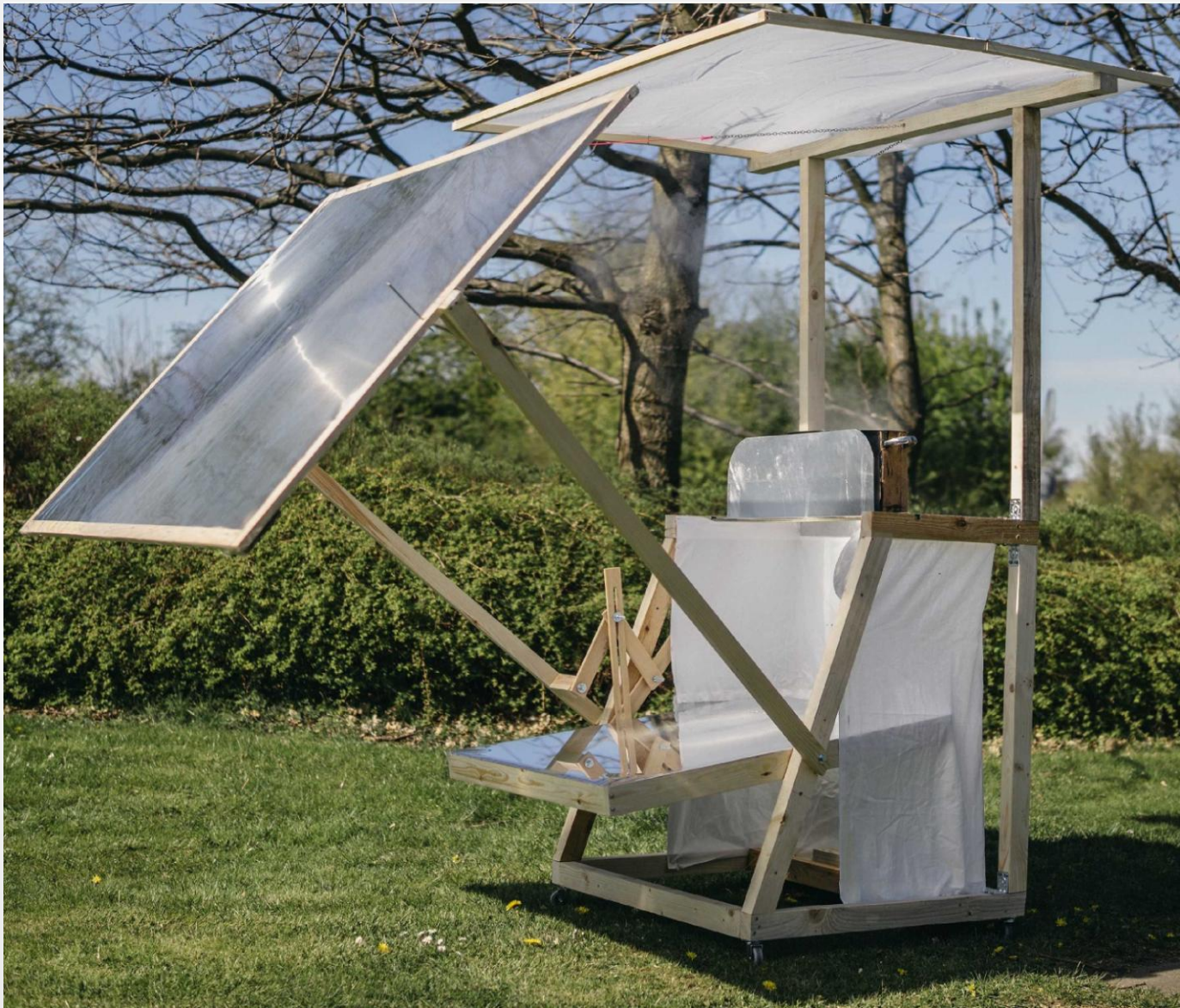
Fresnel lens cooker

Designer:

Sedi Byskov

Organisation:

Heliac



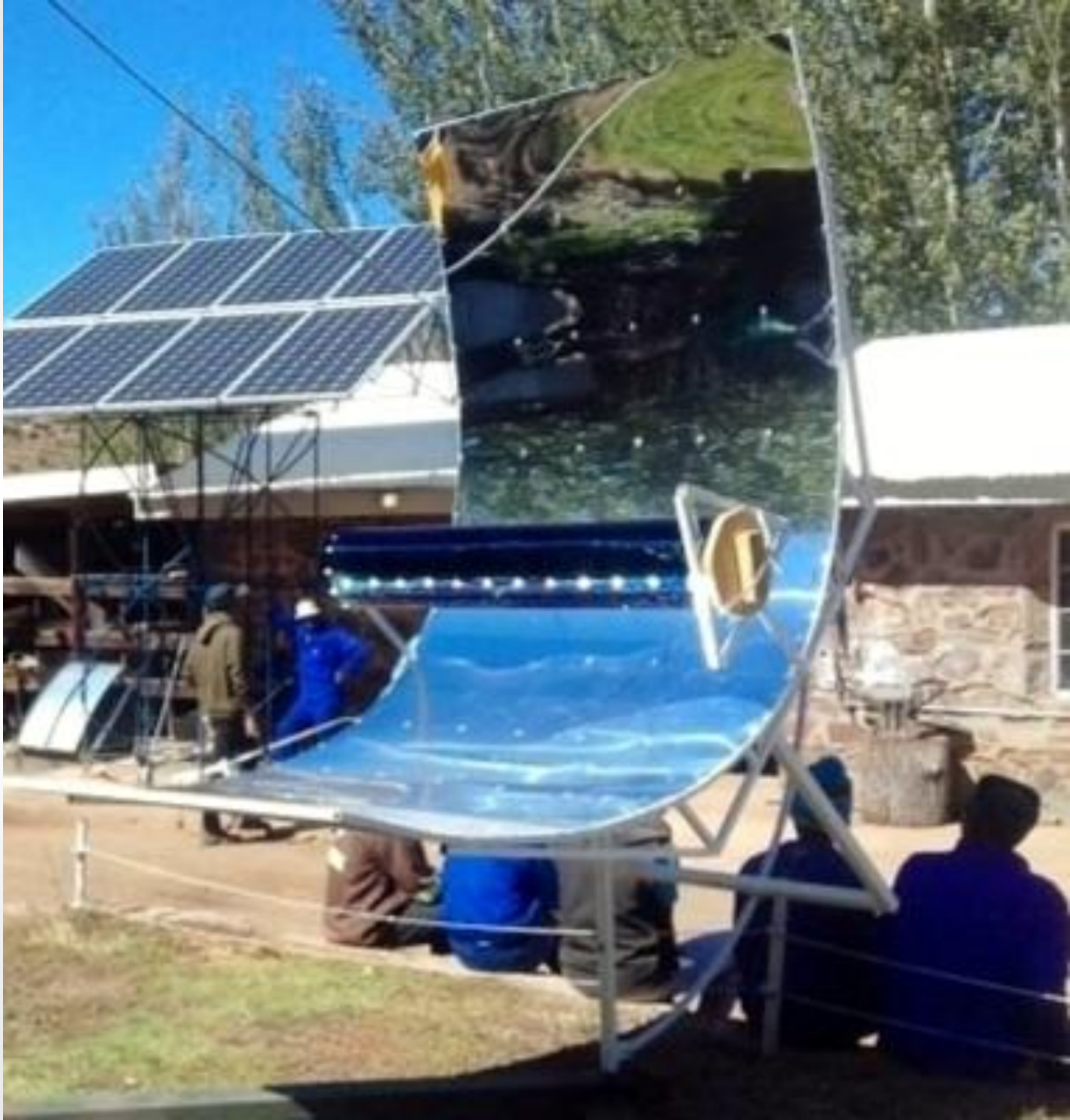
Parabolic trough Metal tube

Designer:

Ivan Yaholnitsky

Organisation:

BBCDC Lesotho



Conclusion:

to compete with fossil-fuel kitchens,

make your solar cookers

Convenient