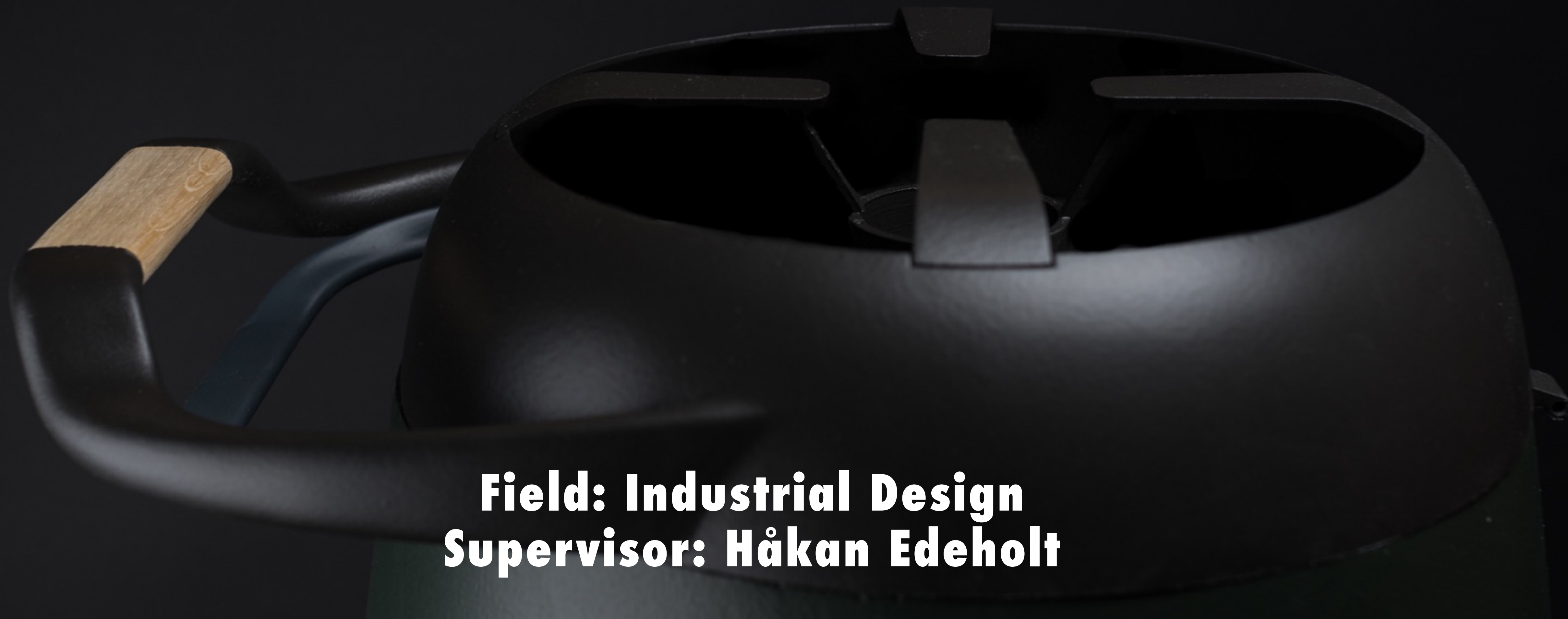
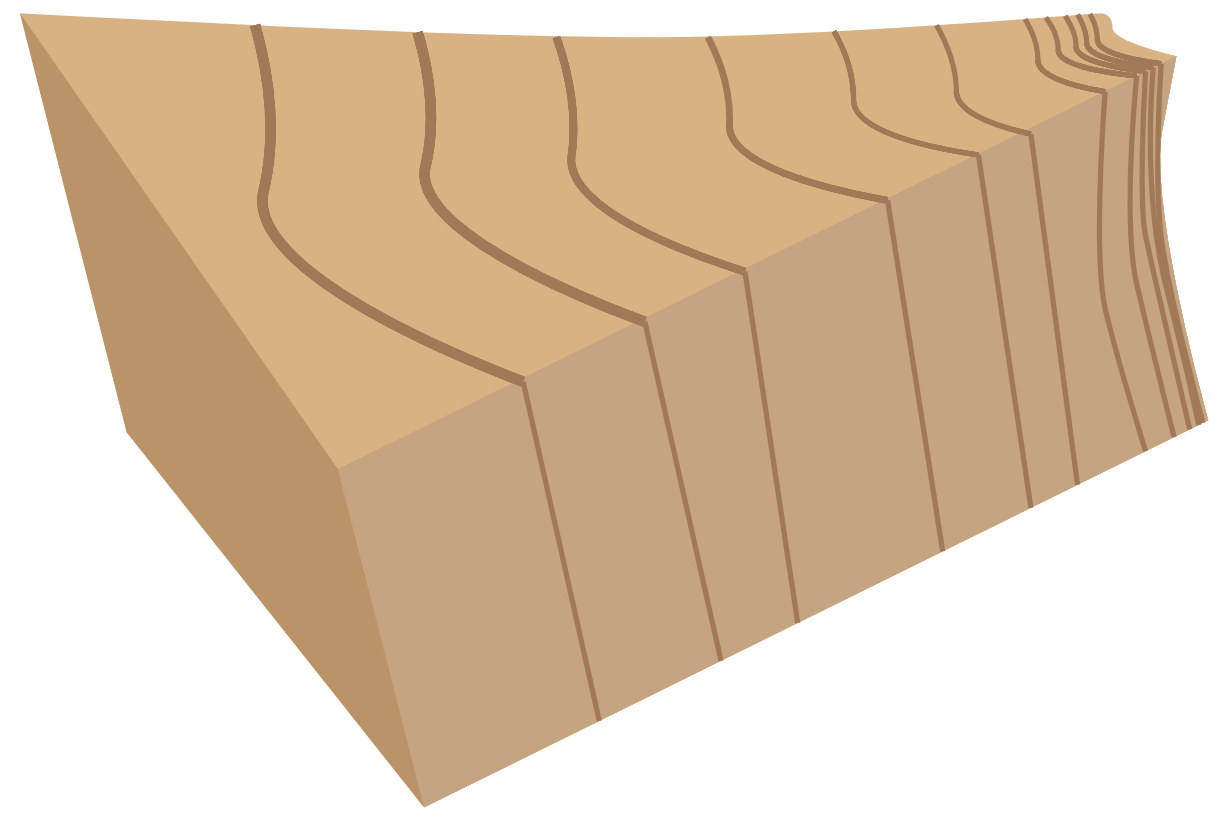


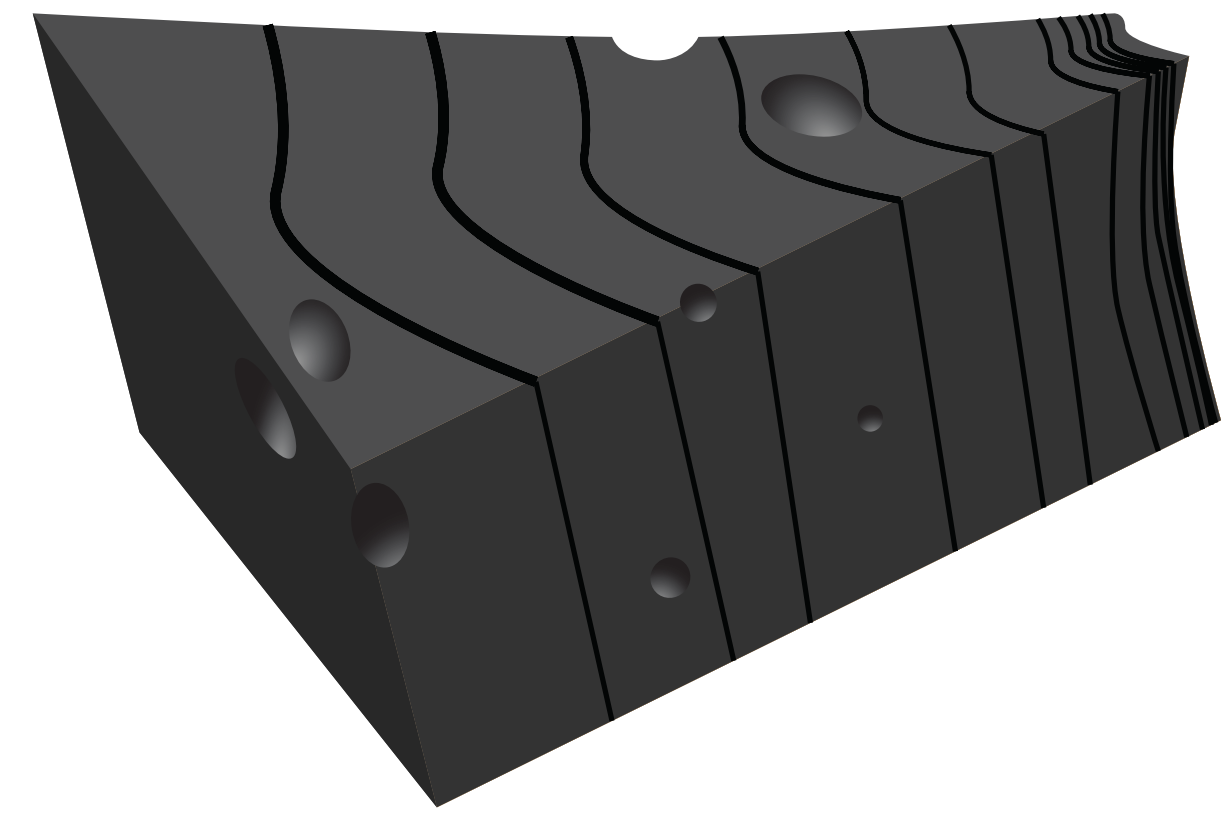
Biocharging Urban Neighborhoods



Field: Industrial Design
Supervisor: Håkan Edeholt

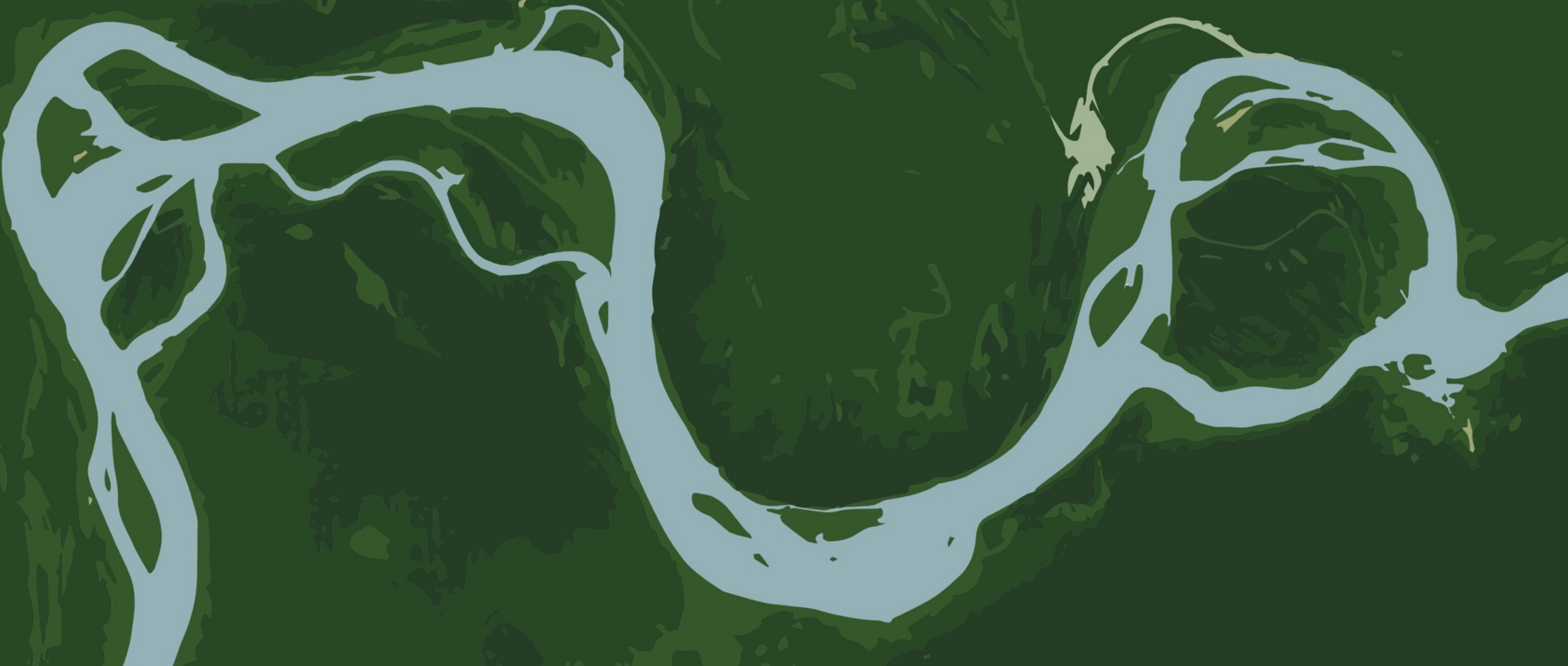


**wood/
biomass**



**charcoal/
biochar**

Amazonas

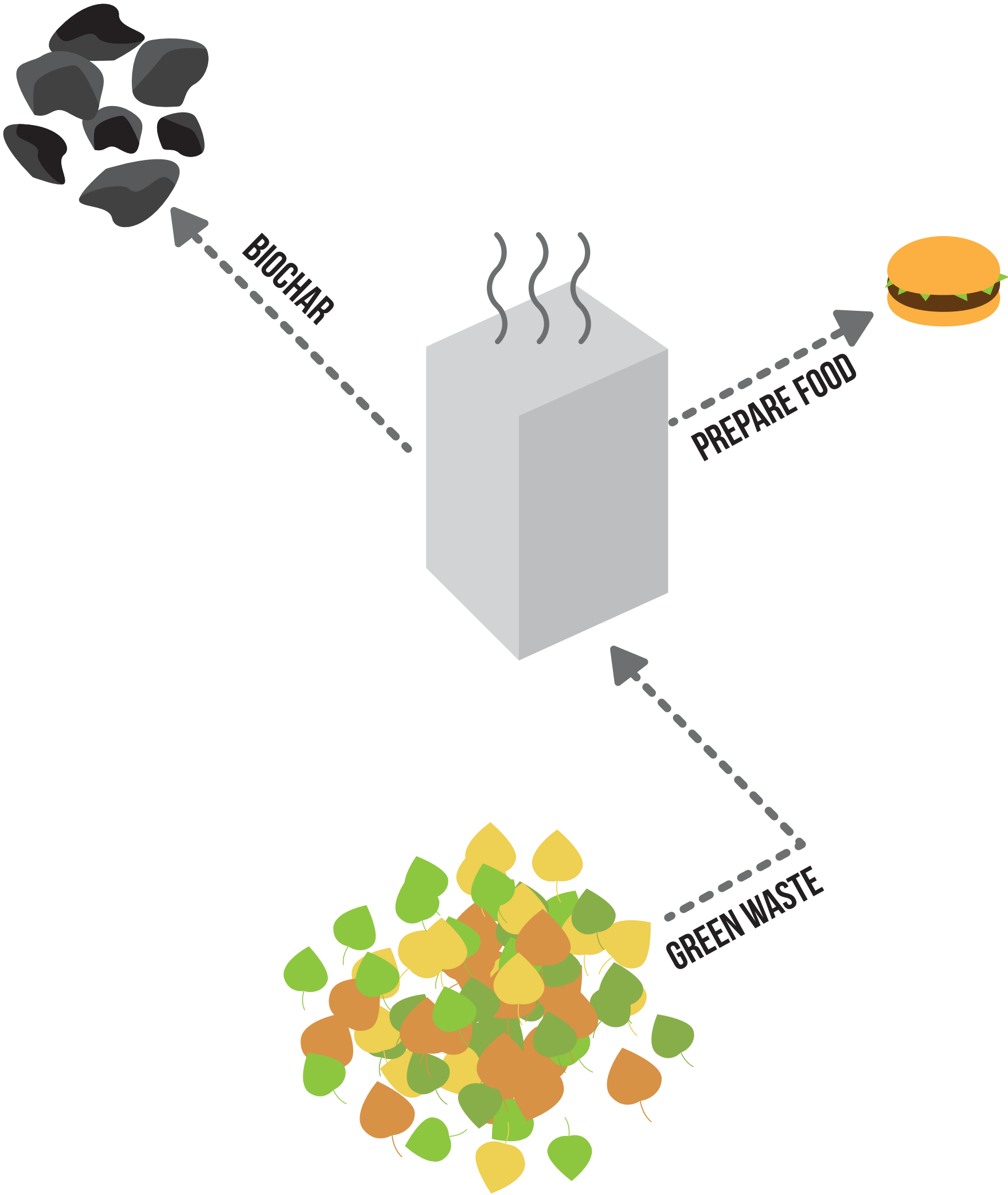


**Normal
soil**



**Charcoal
soil**





LOSÆTER

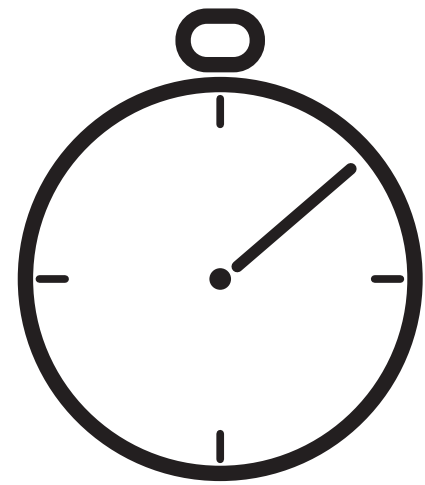


Losæter is one of nine public spaces in Bjørvika, so it is
and will continue to be a park

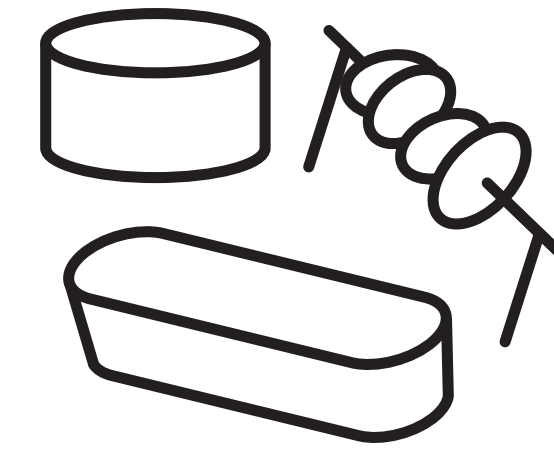
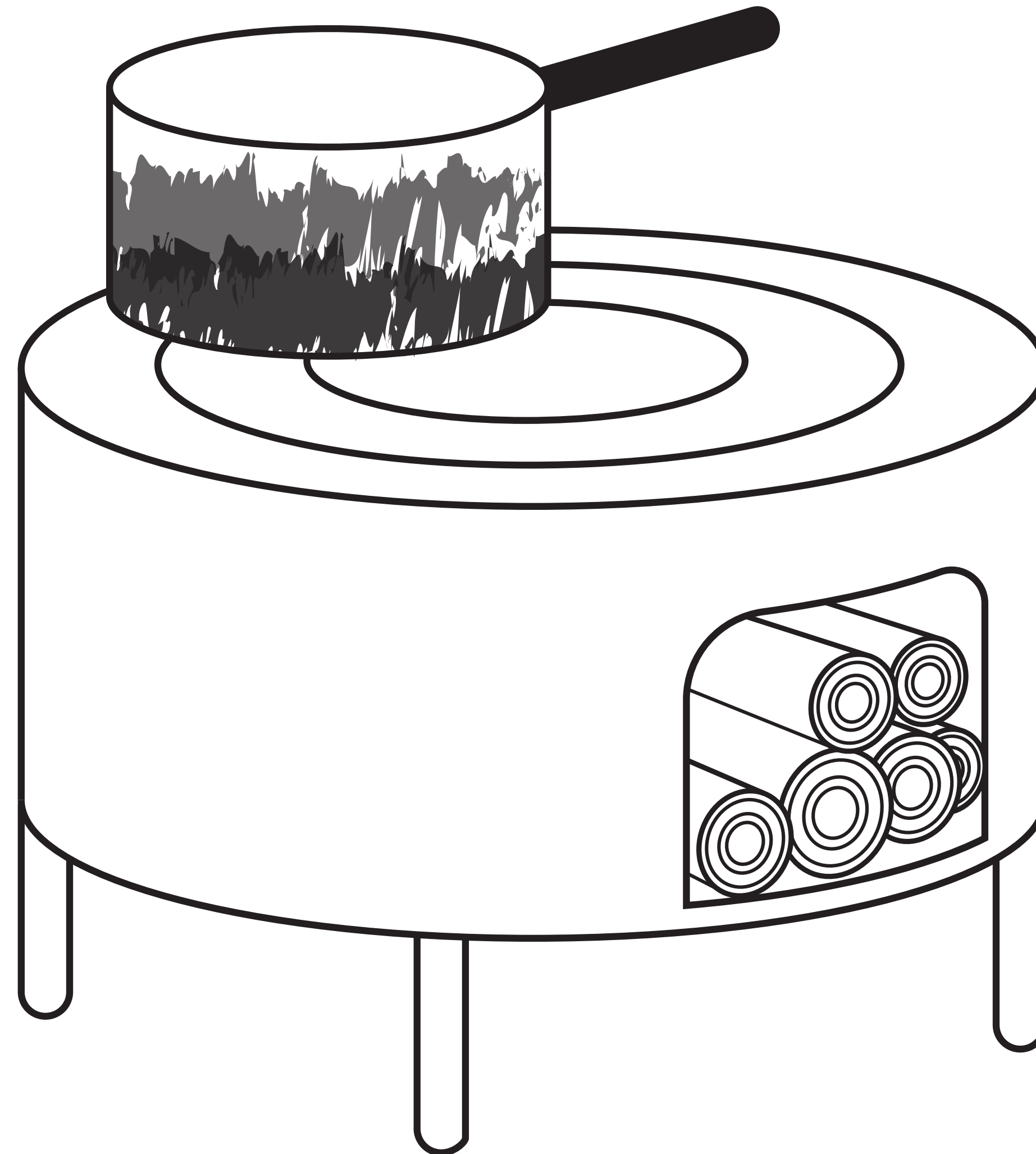




**No soot on
utensils**



Faster start-up

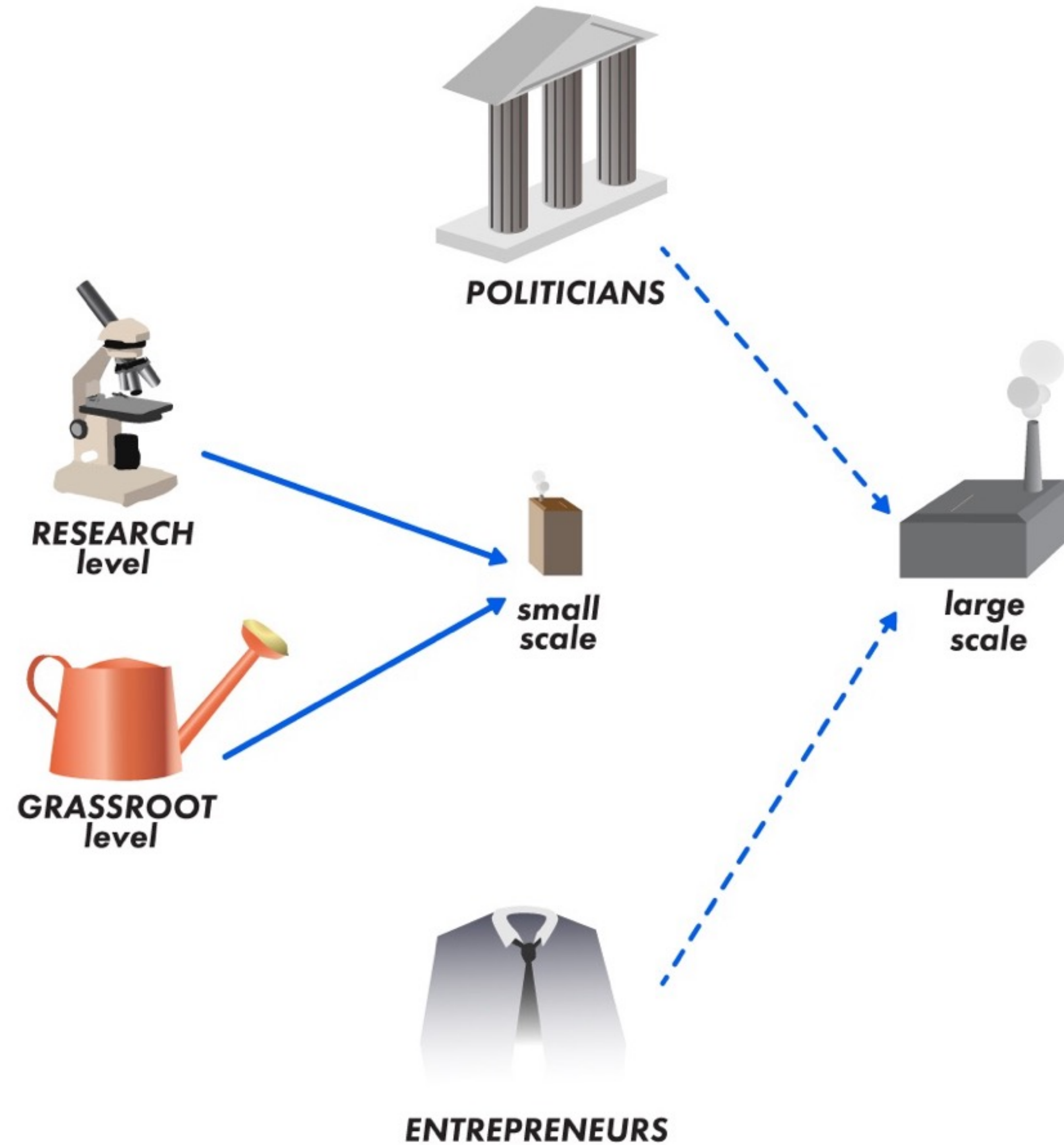


**Support
multiple types
of cooking**

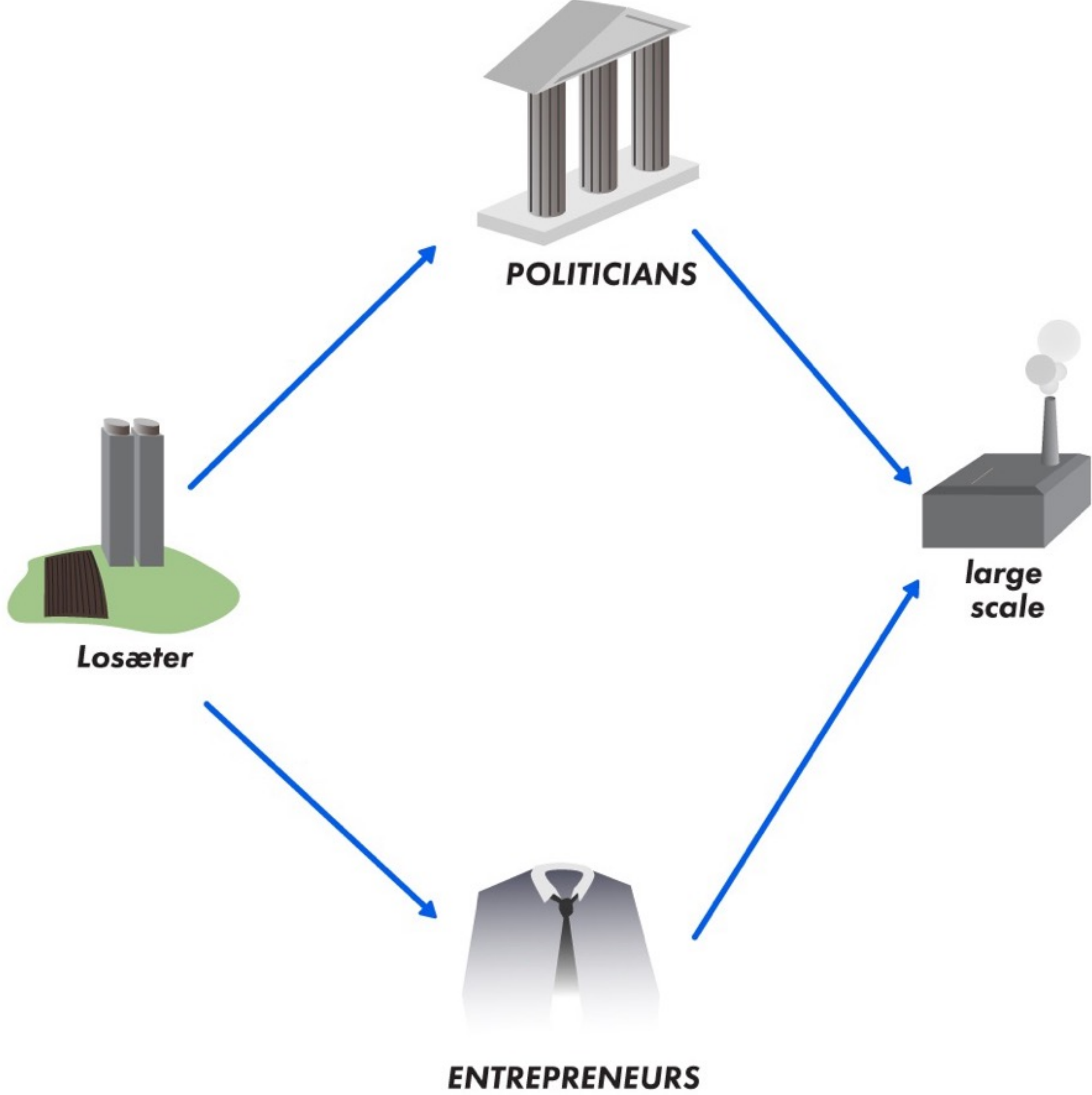



**Sufficient
heat/duration**

The state of biochar today

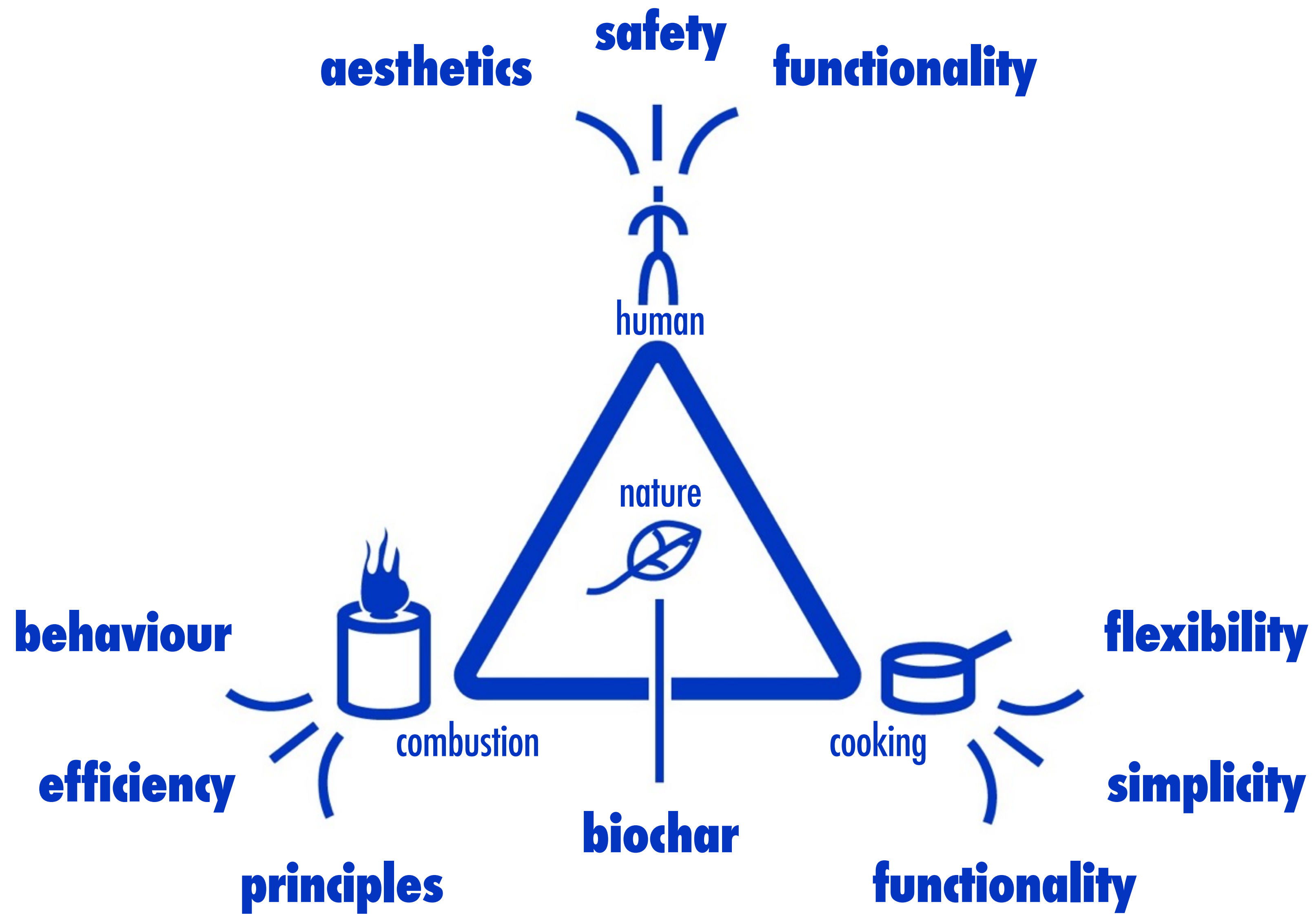


The state of biochar today

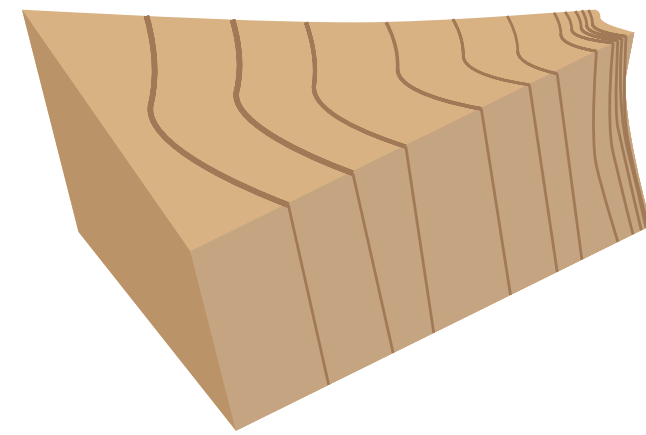


A close-up shot of a man with a friendly expression, wearing a red t-shirt and a straw hat. He is outdoors on a balcony, with a wooden railing and a building in the background. The lighting is bright, suggesting a sunny day.

Biochar! I'm supposed to inspire city people to become balcony farmers, city farmers.



making charcoal



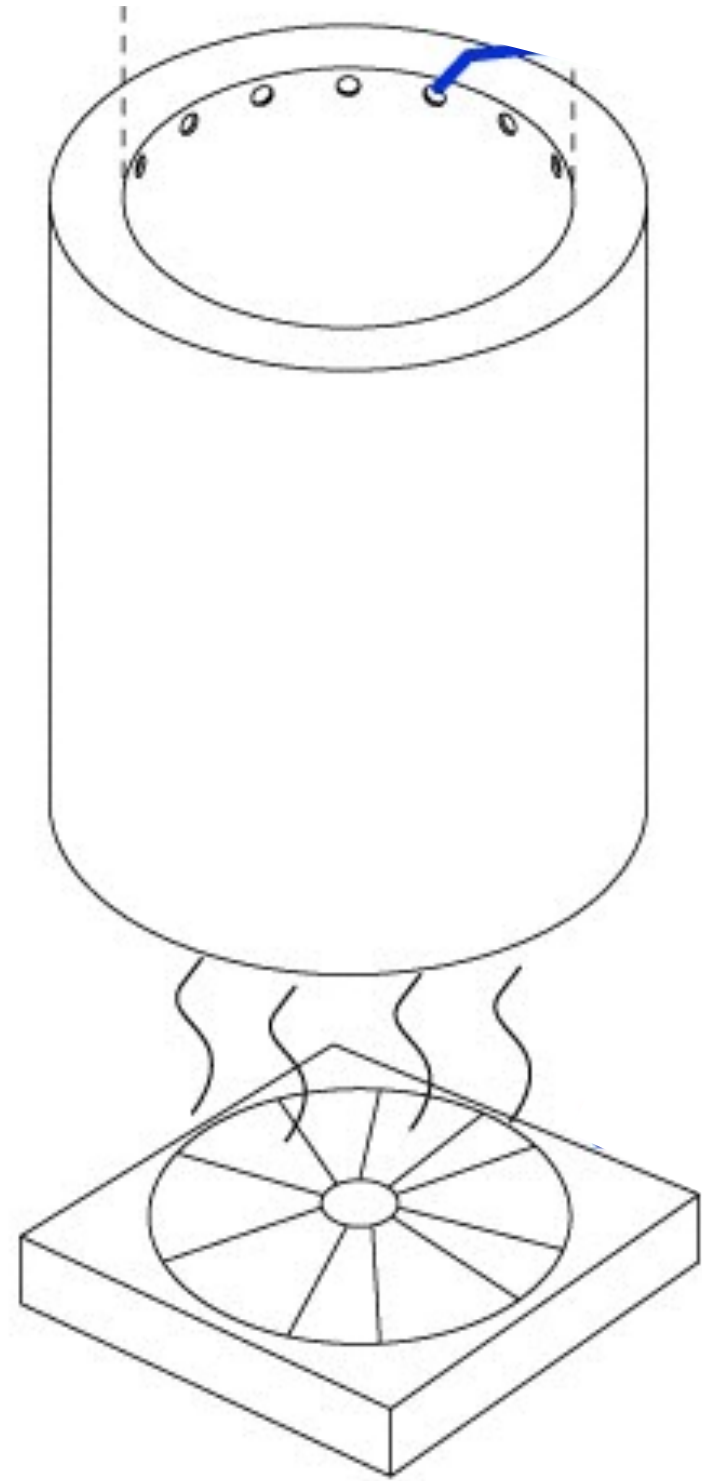
biomass

+ **heat &
limited air** **=** **gasification**

making charcoal



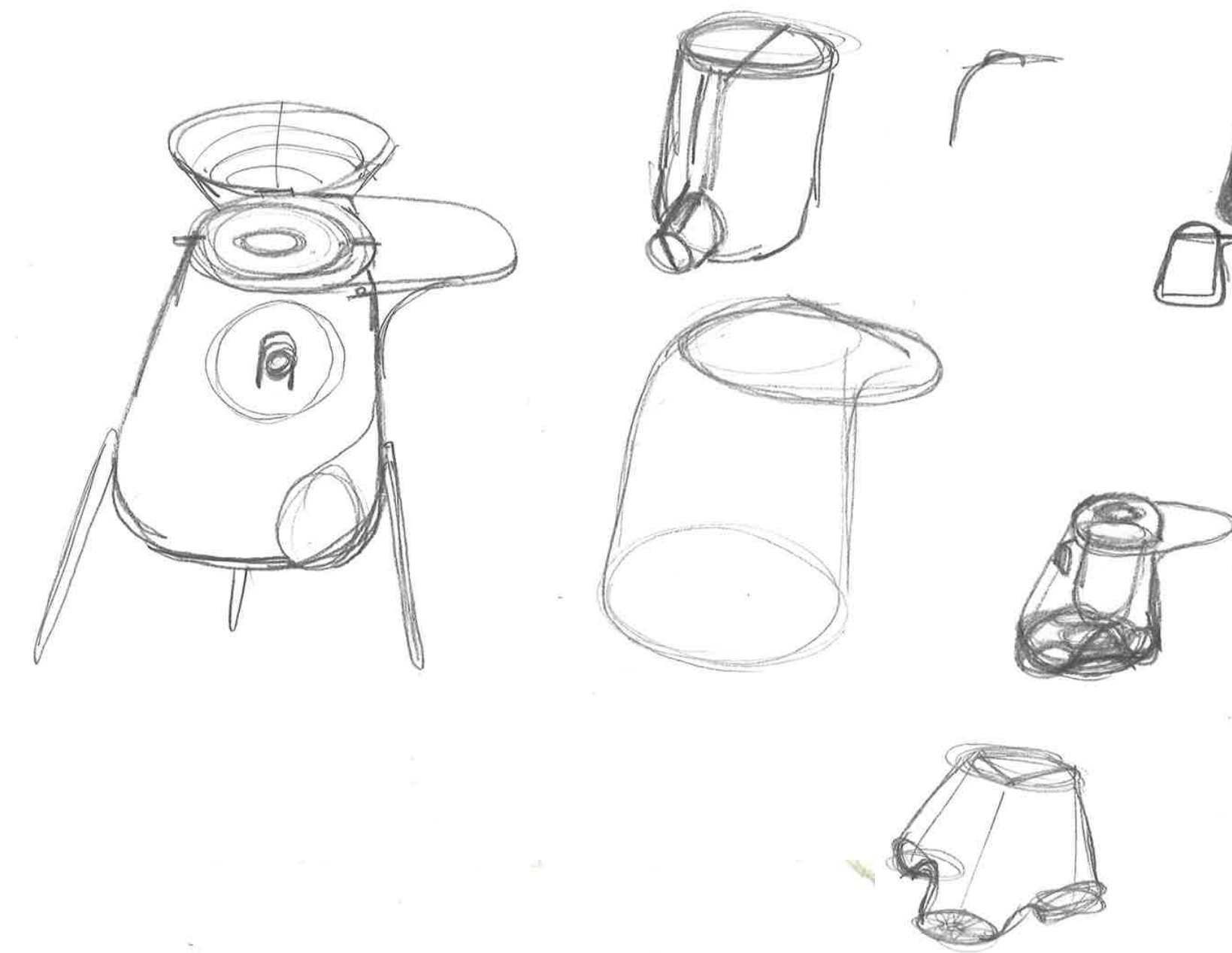
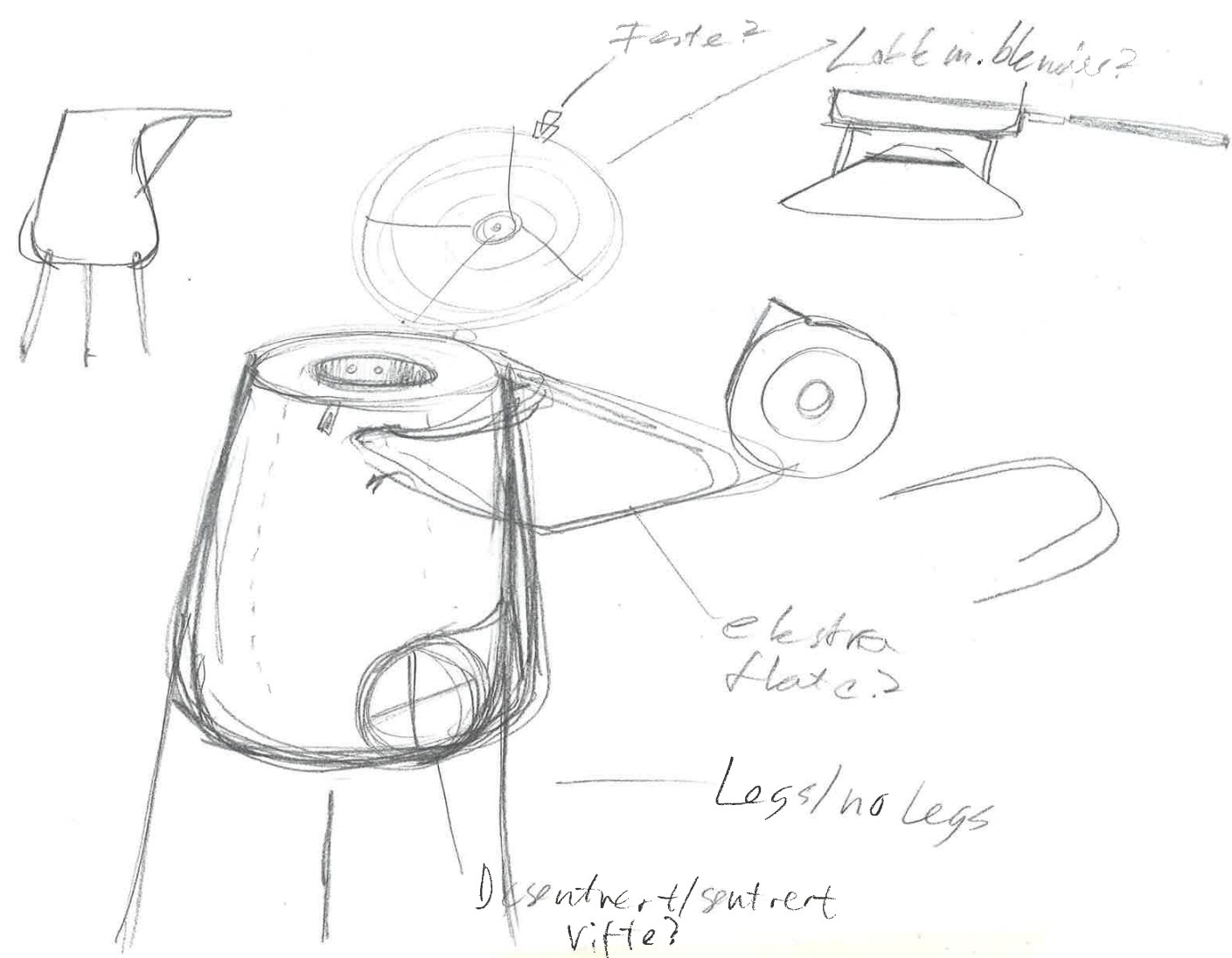
Top lit up draft gasifier



Fan







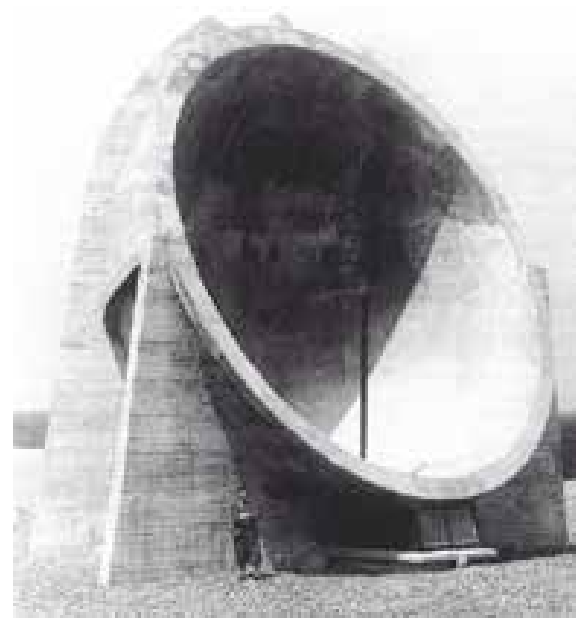


Fig 1

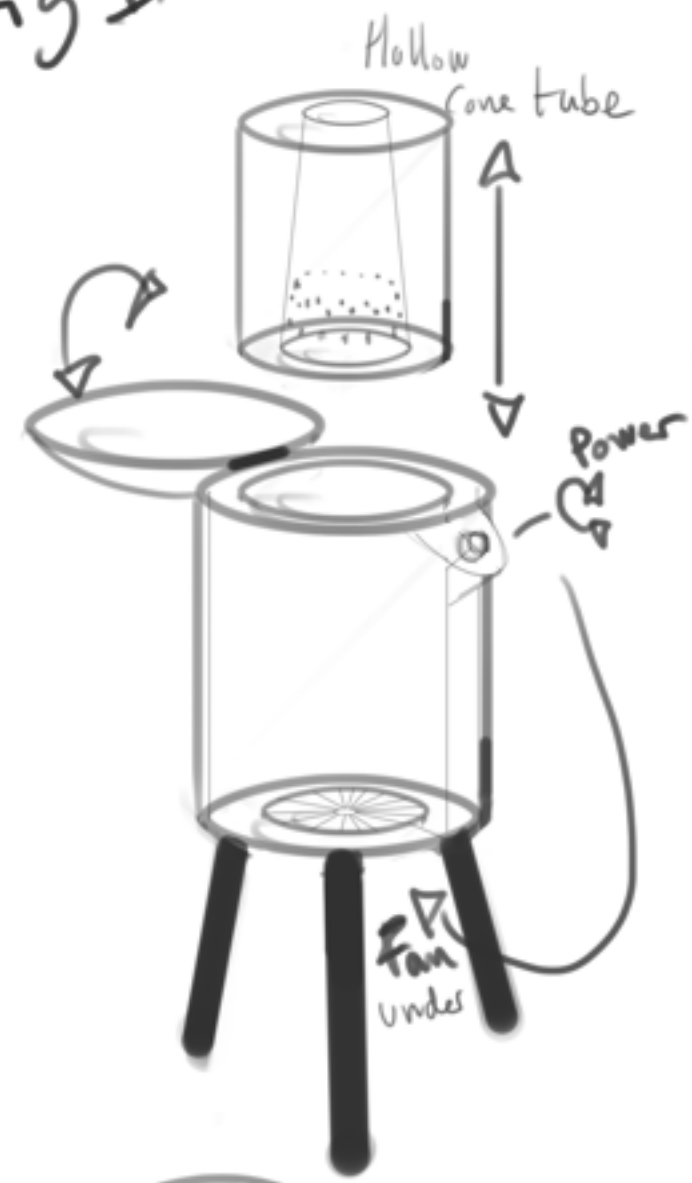
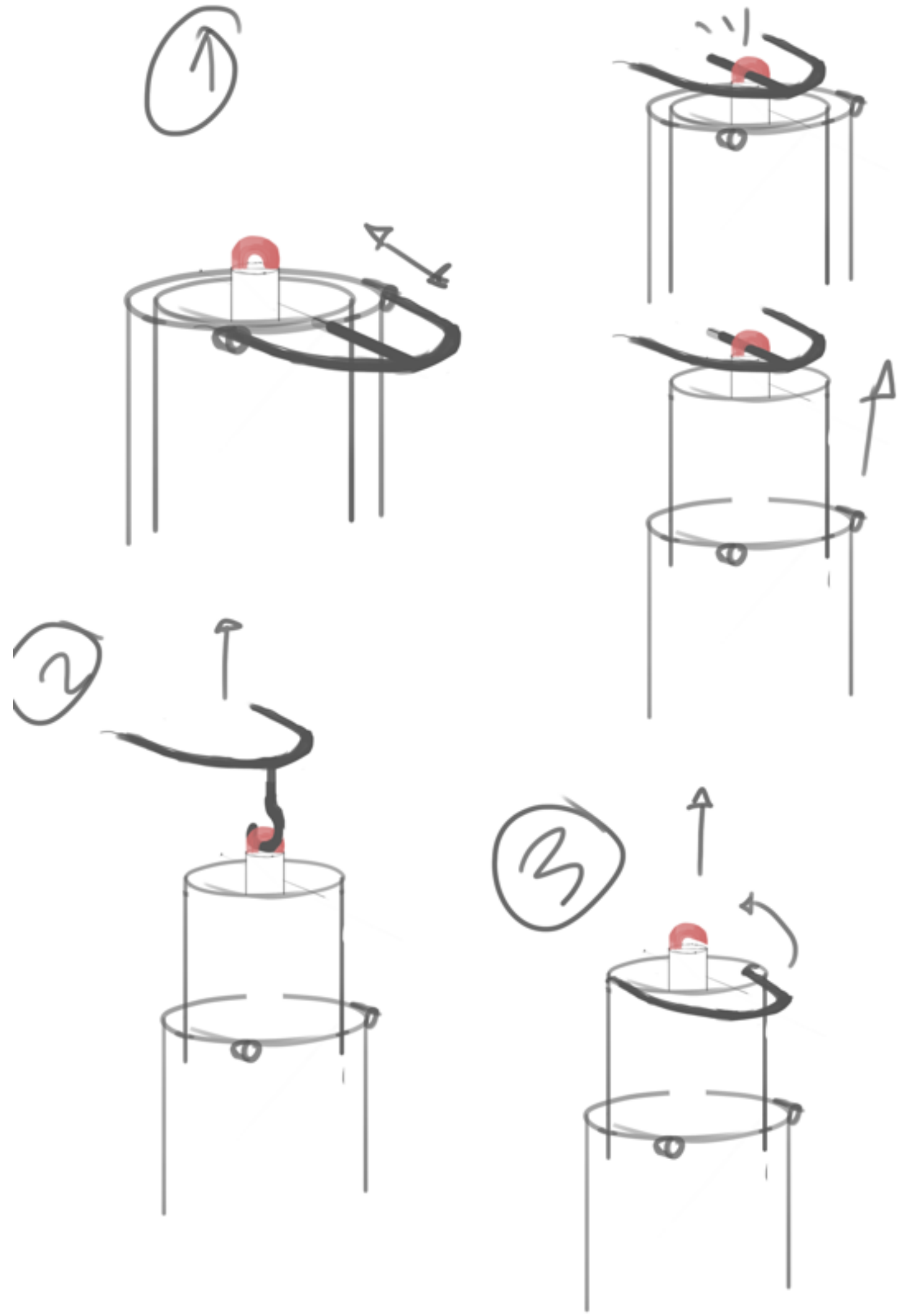
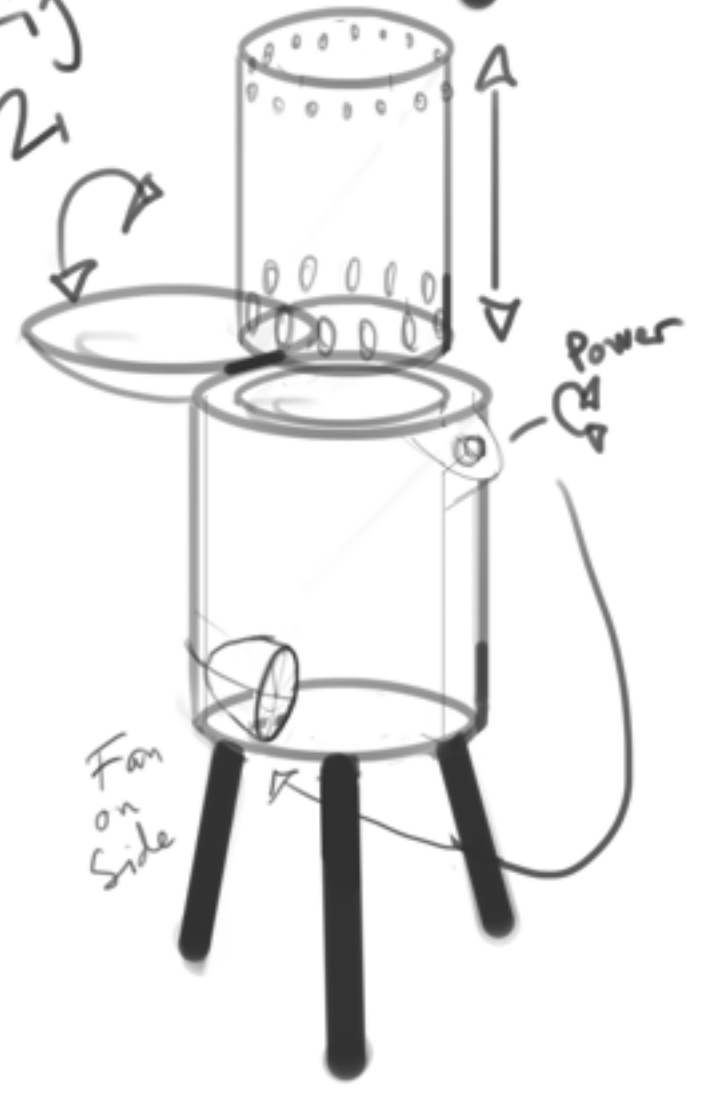
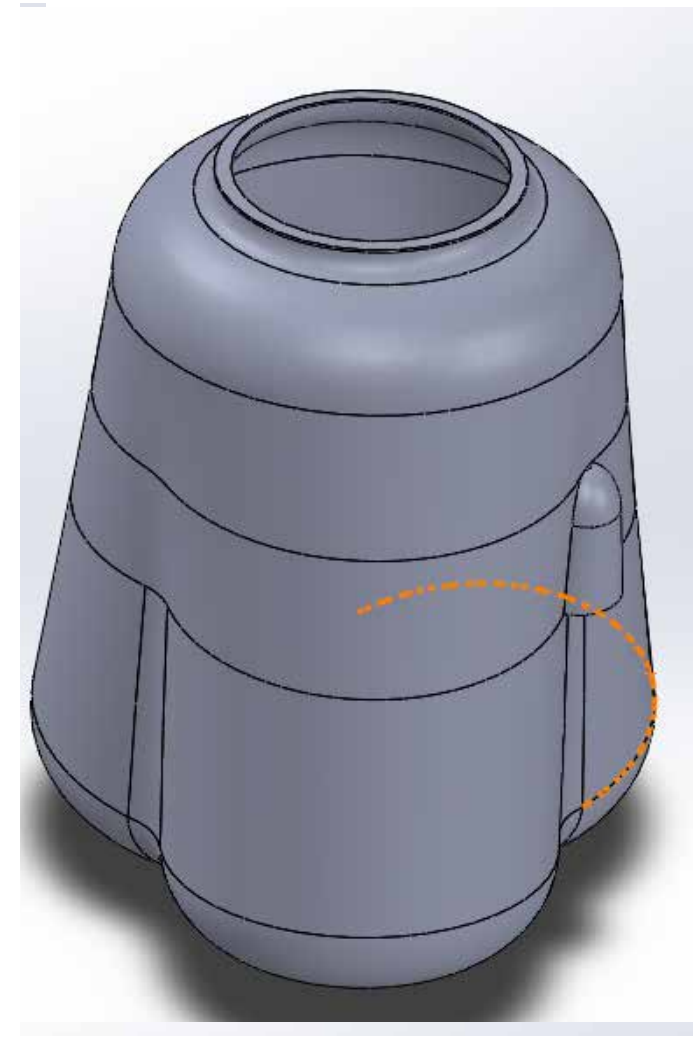
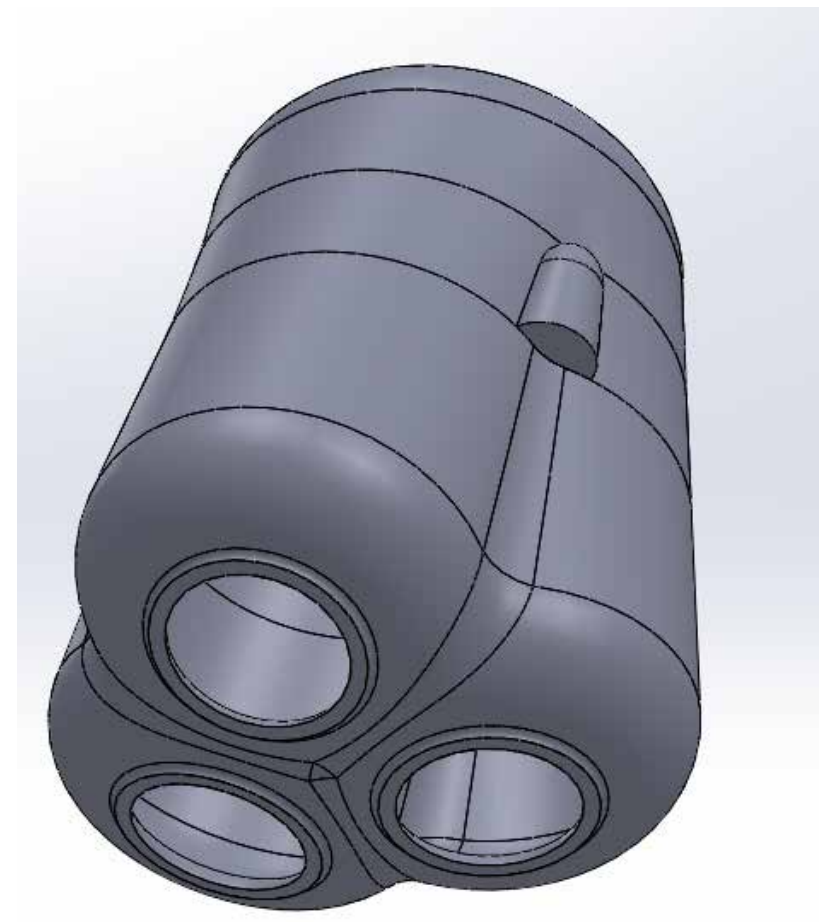
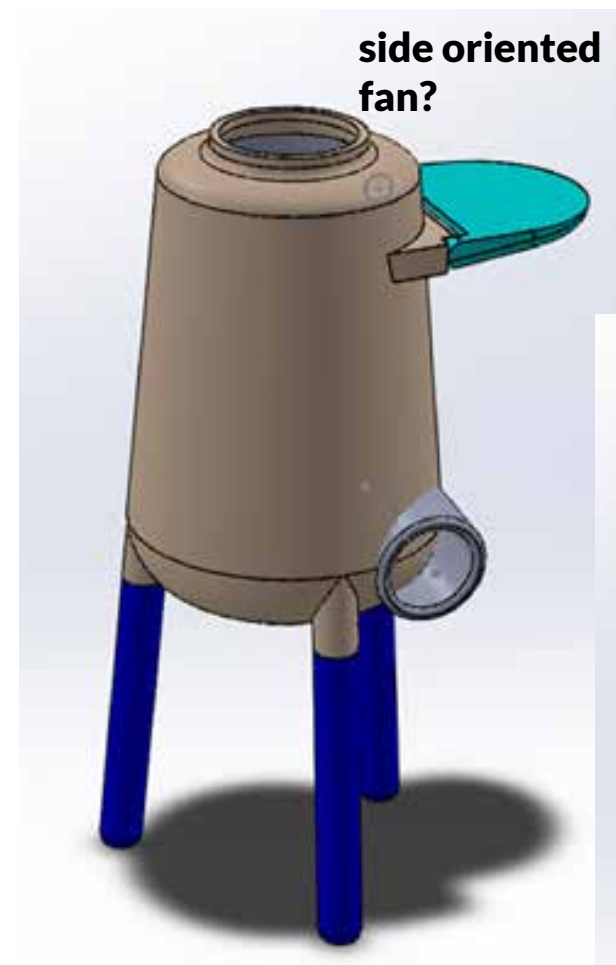


Fig 2

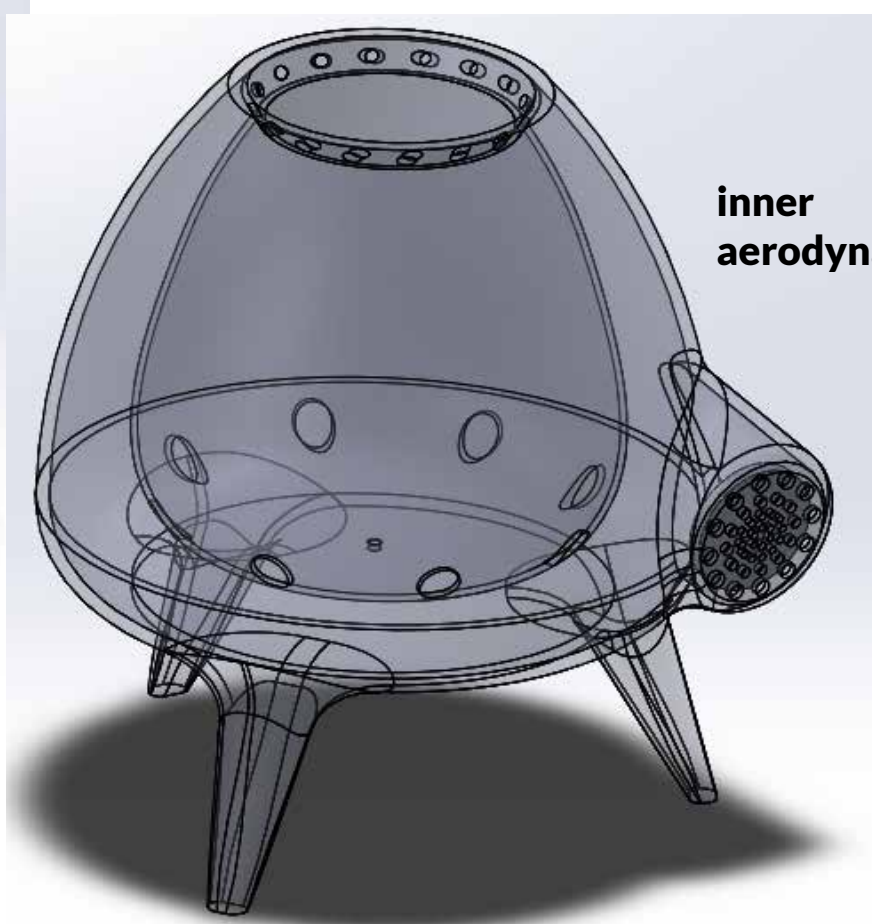




Kettle stand integrated in lid?

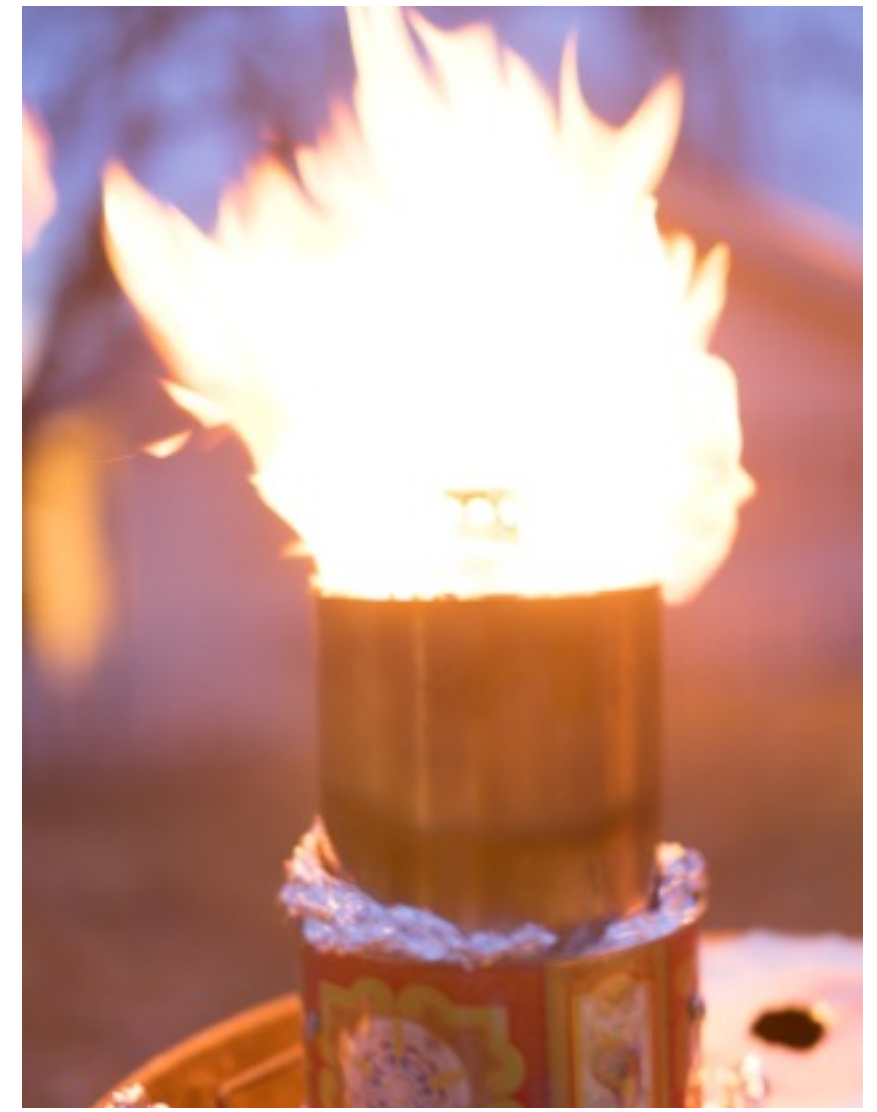


side oriented fan?



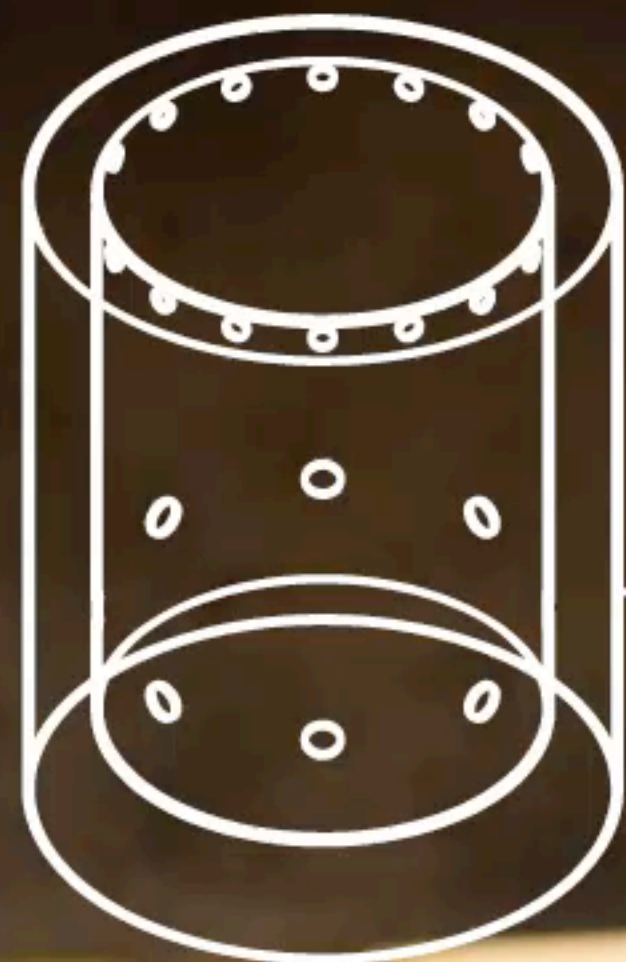
inner aerodynamics?





CHIMNEY

TLUD



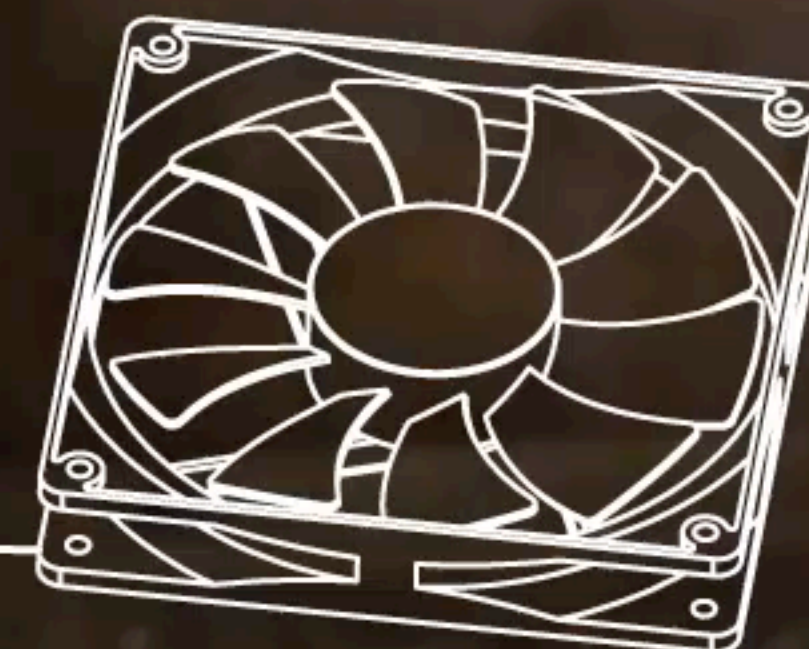
CONCENTRATOR

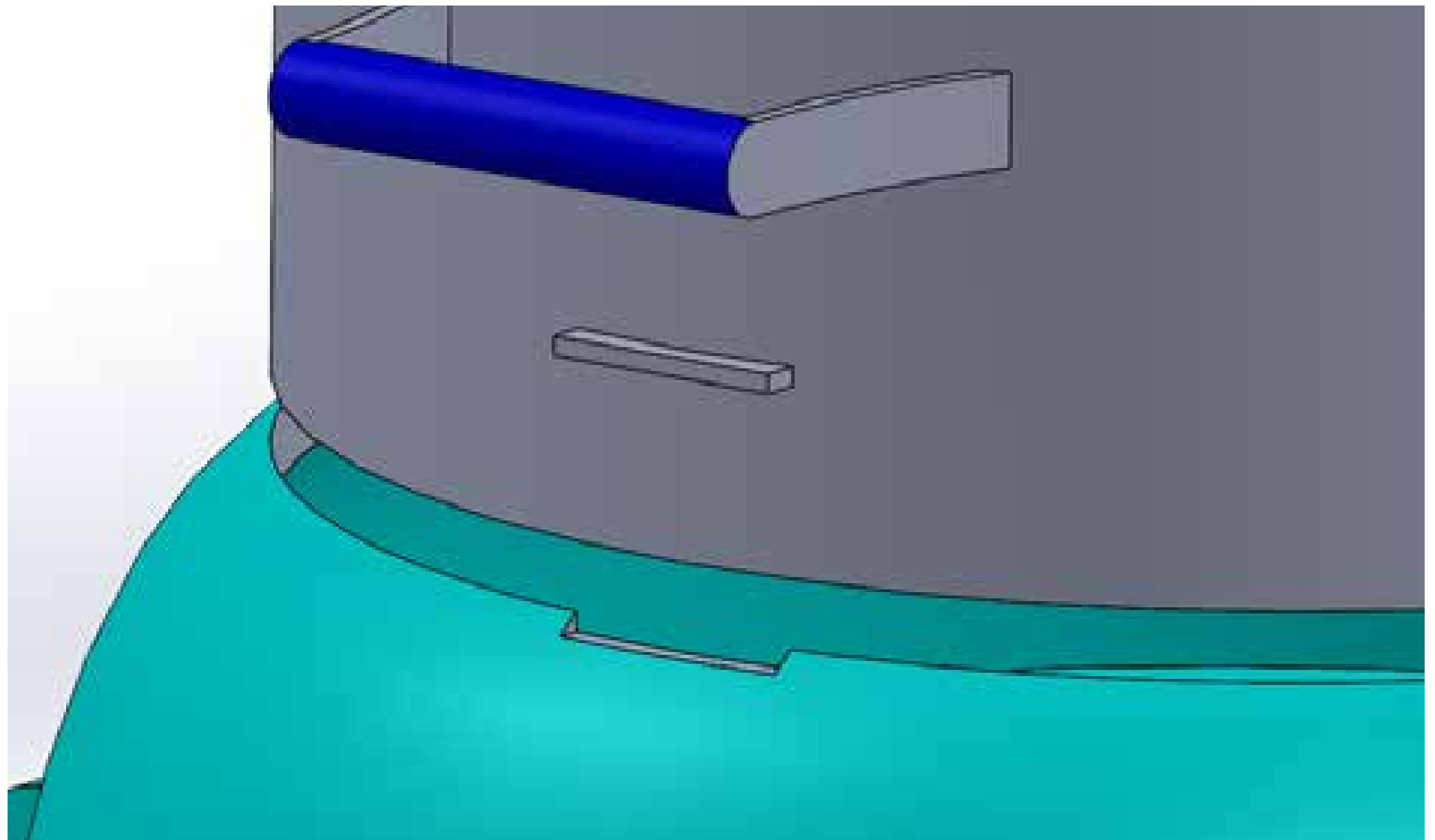
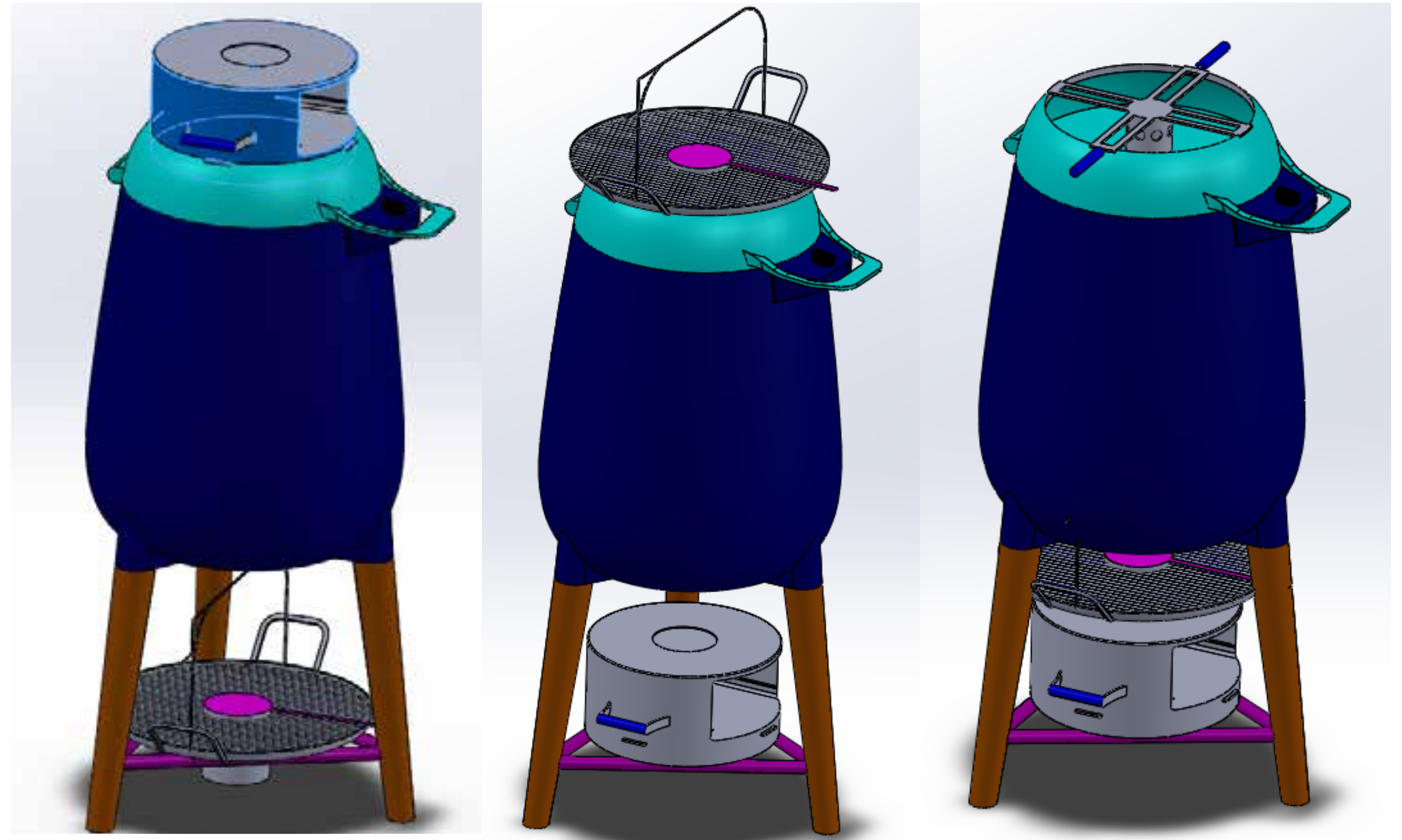


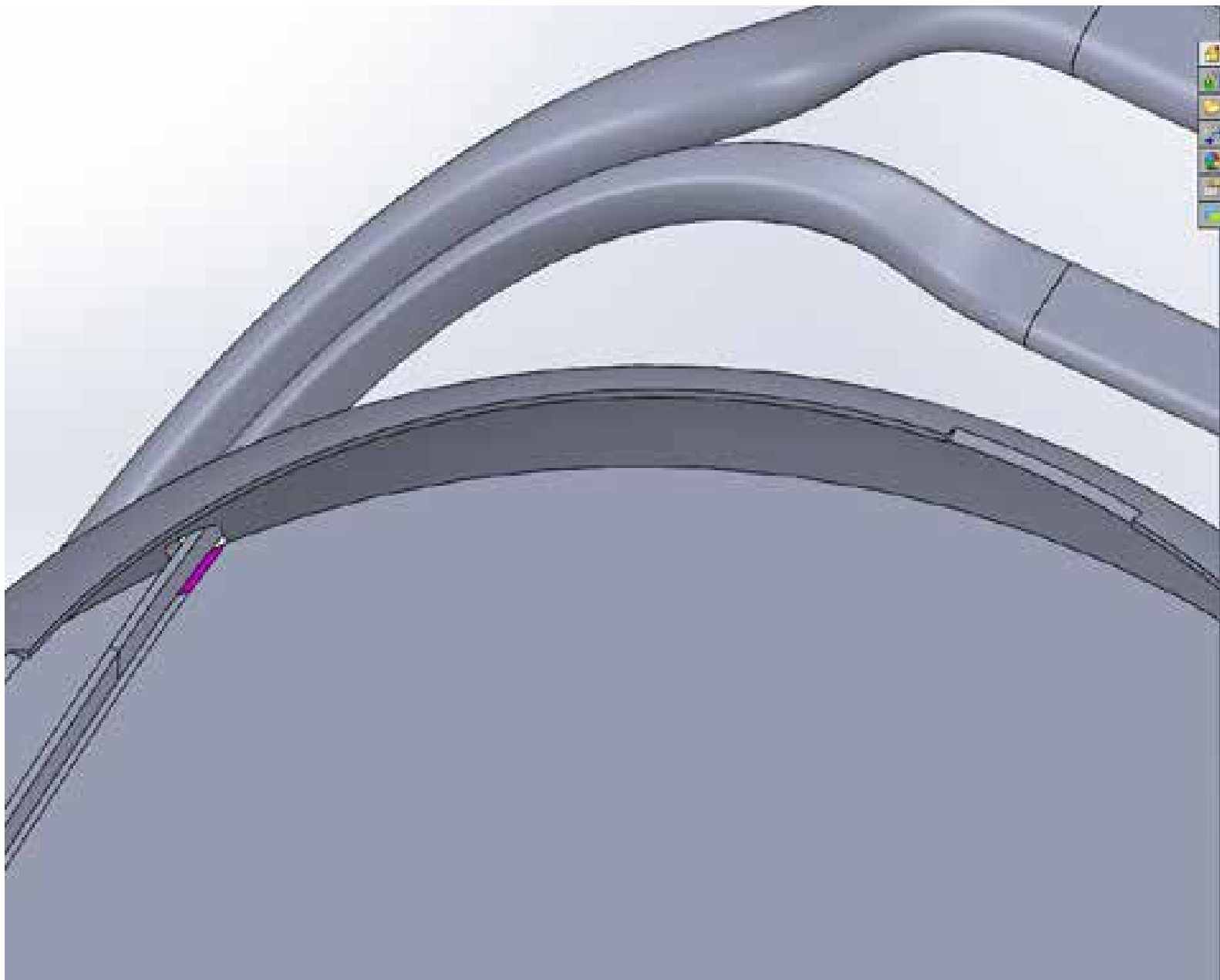
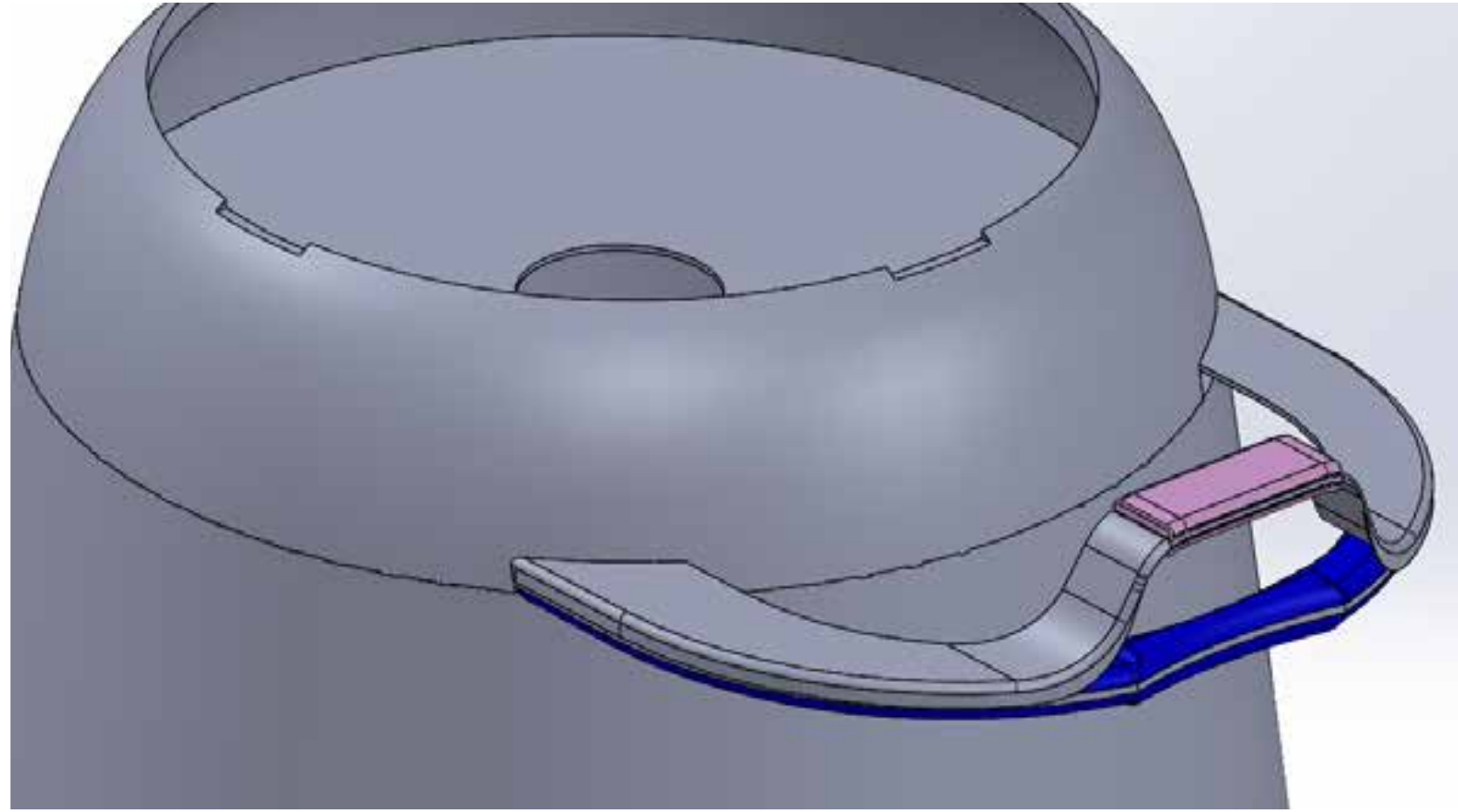
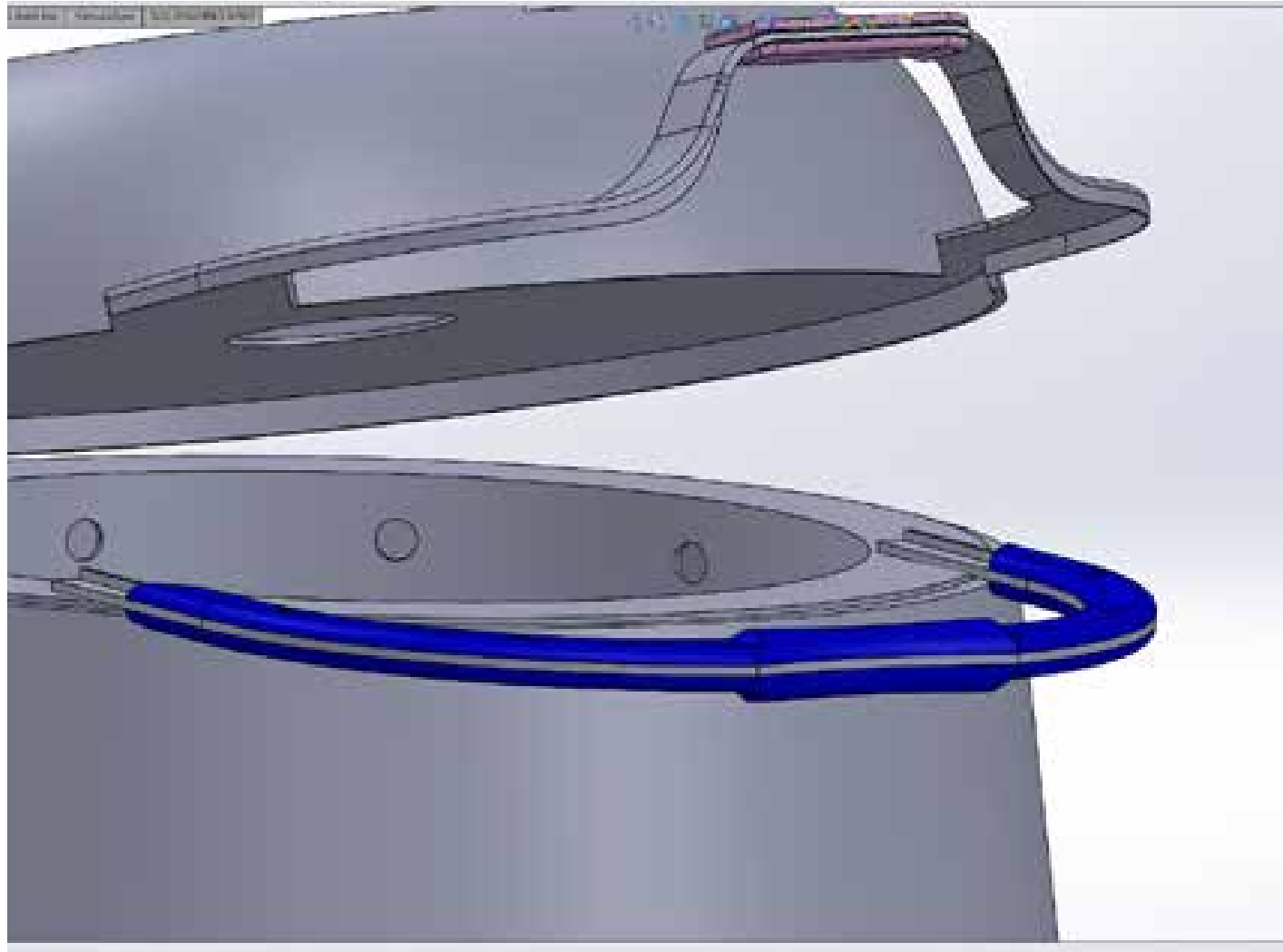
SPACE



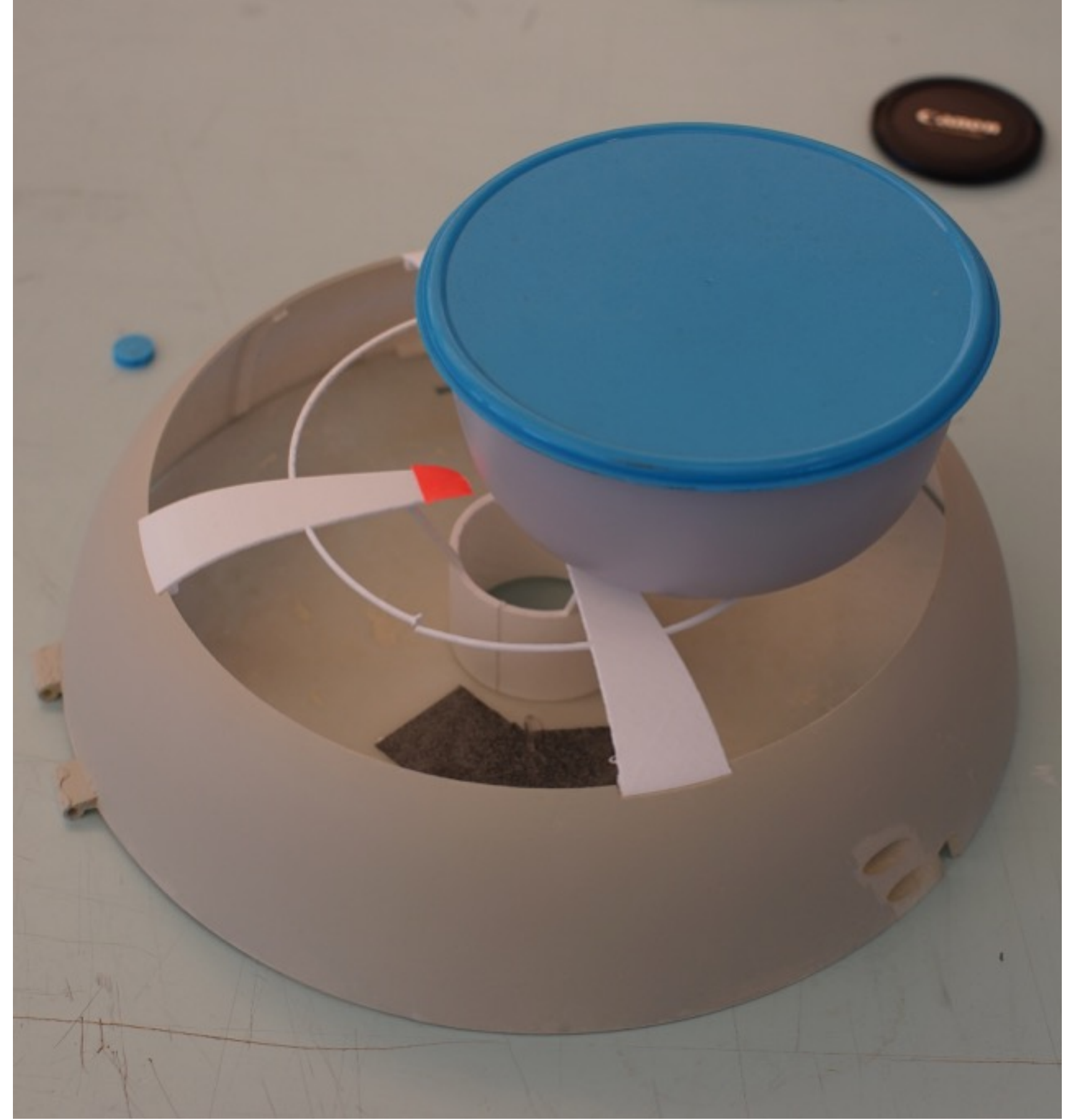
FAN

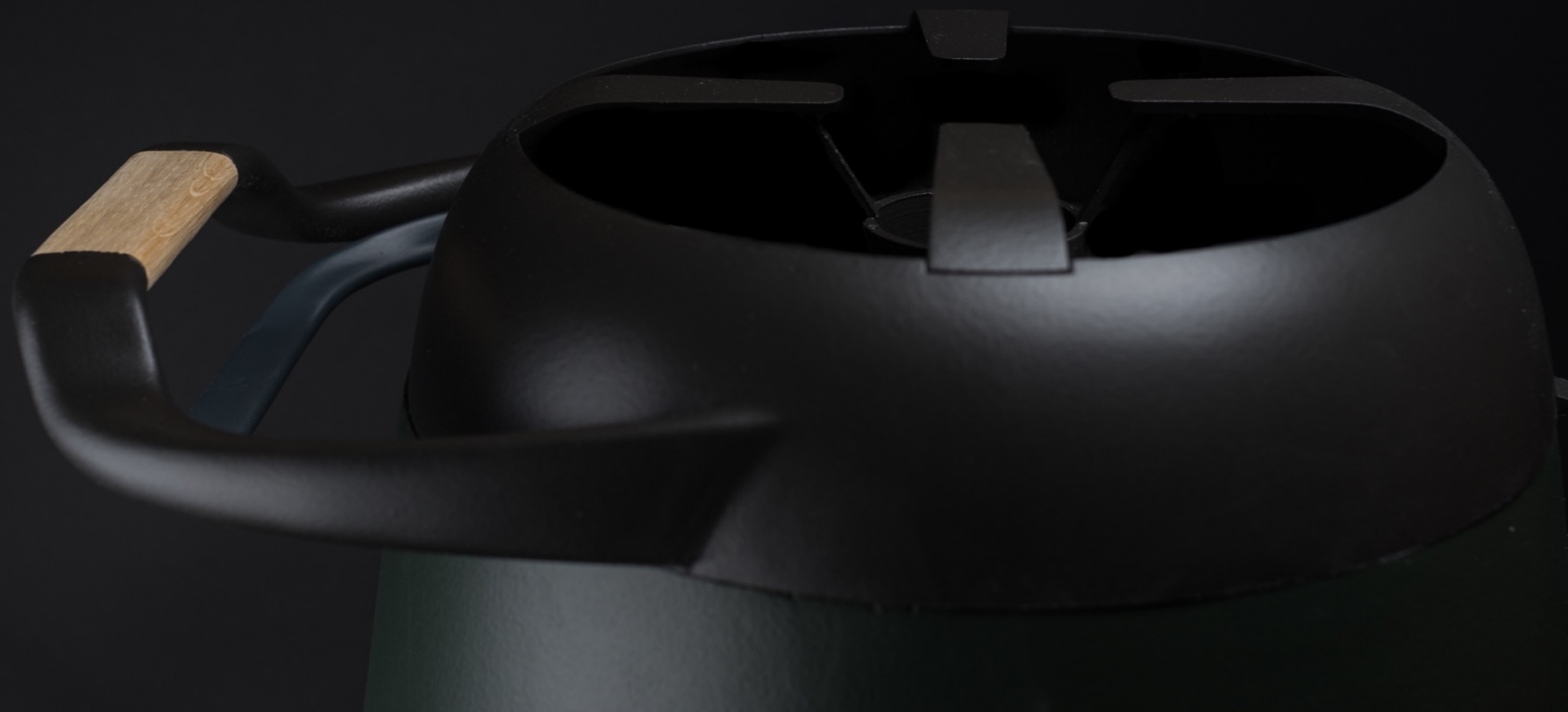












**lid/cooking surface/
chimney**

TLUD

outer layer

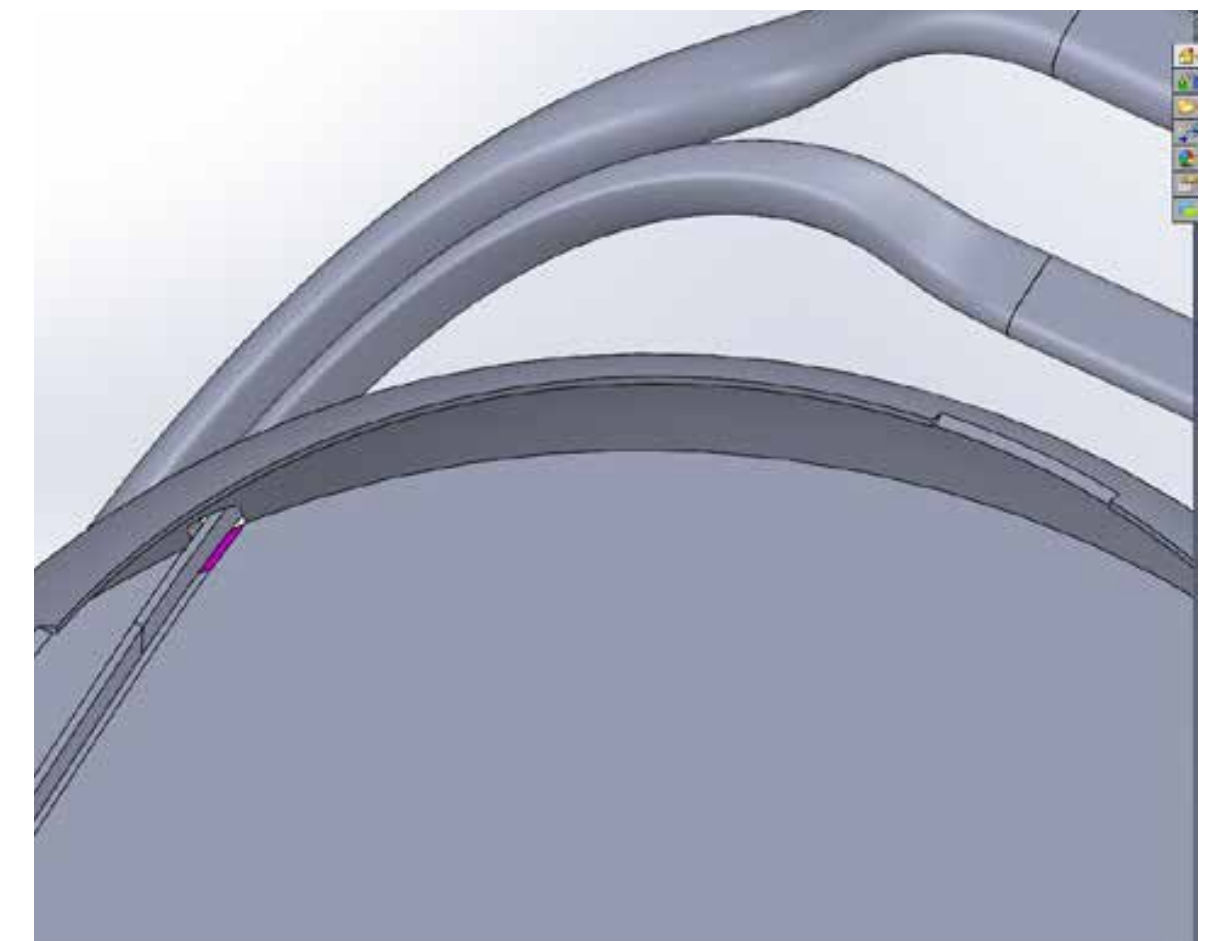
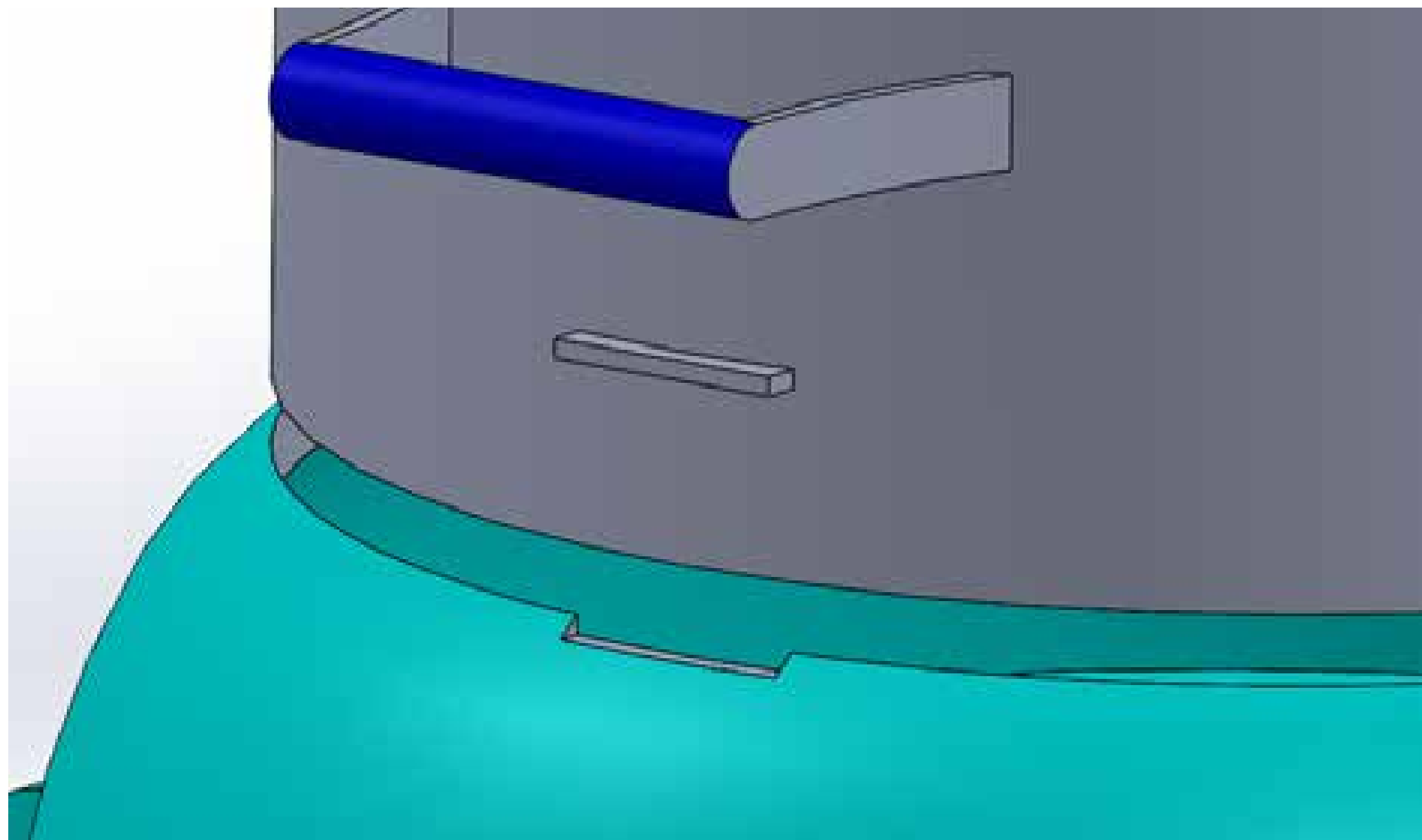
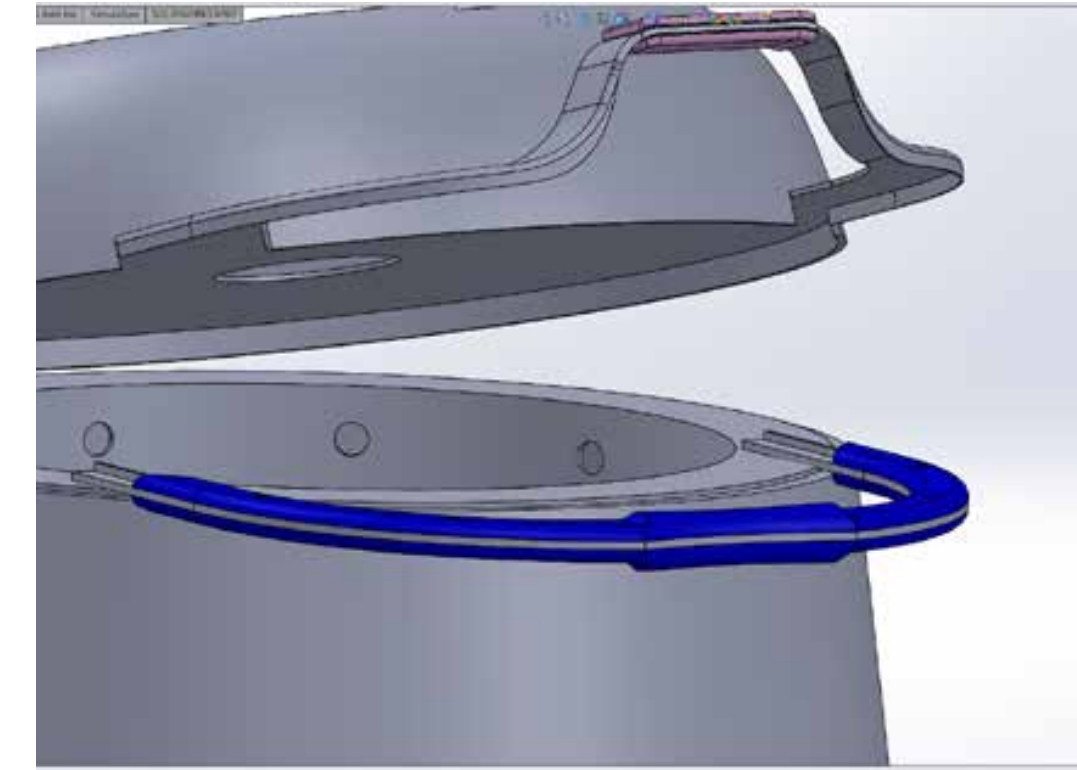
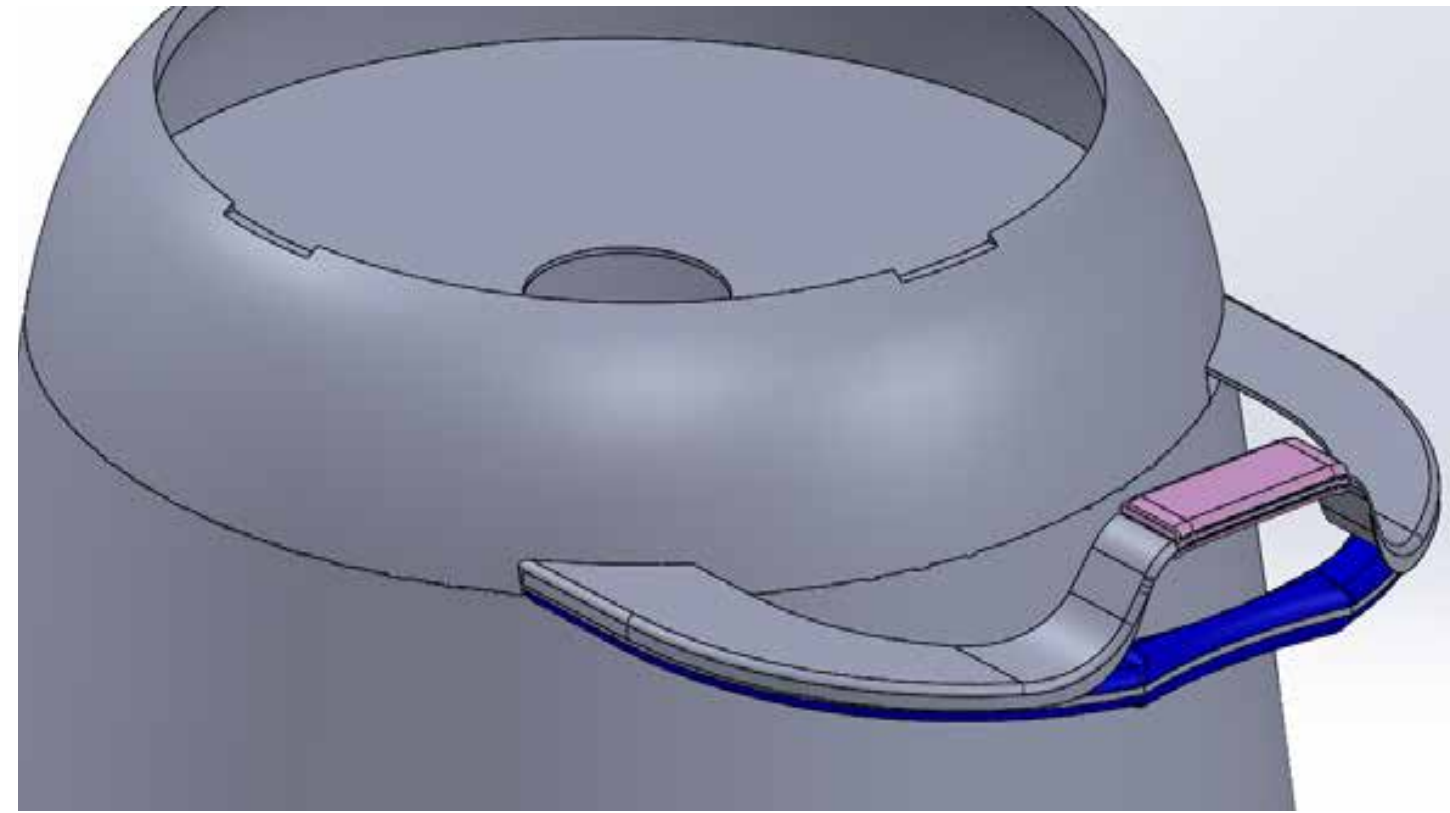
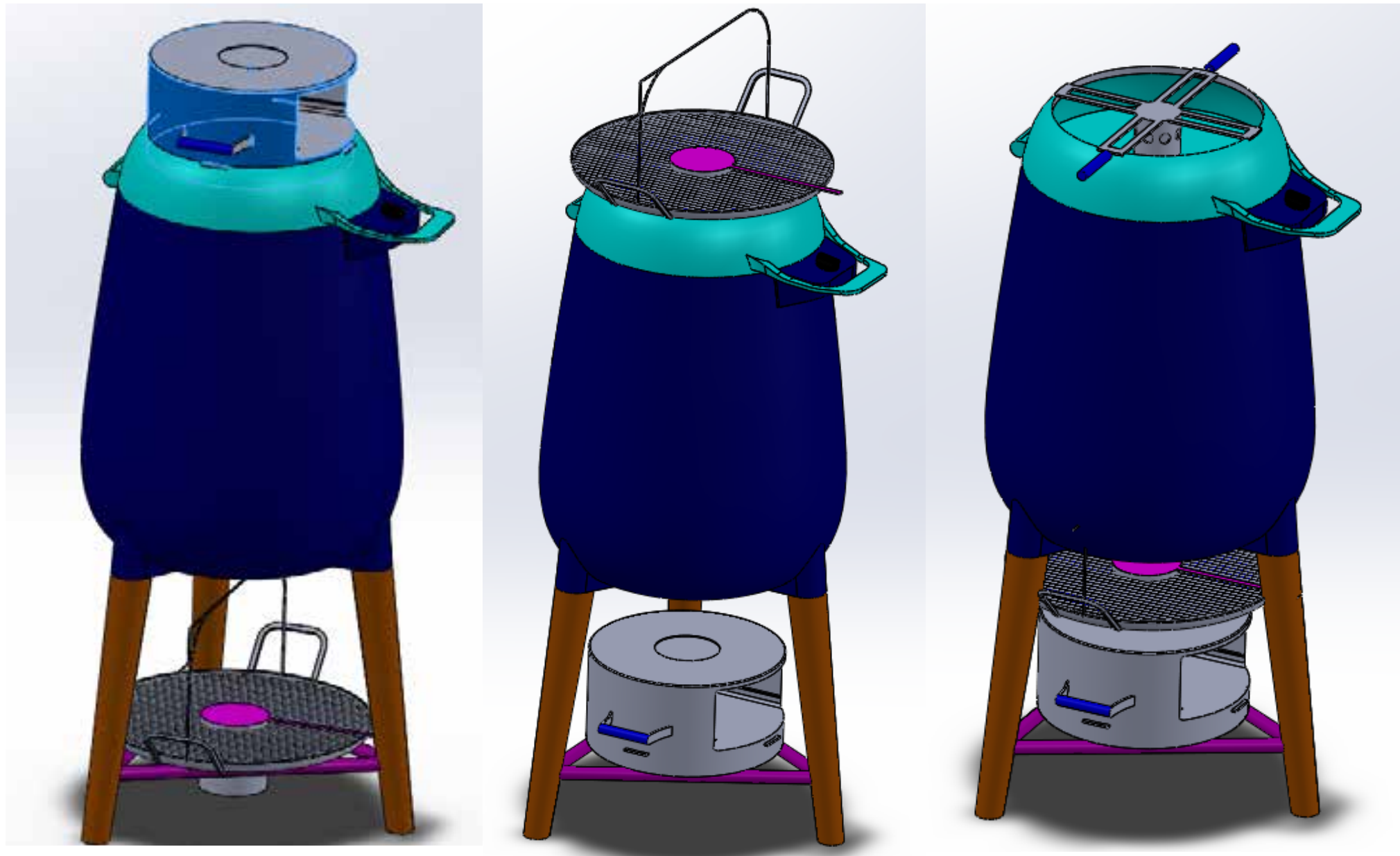
fan

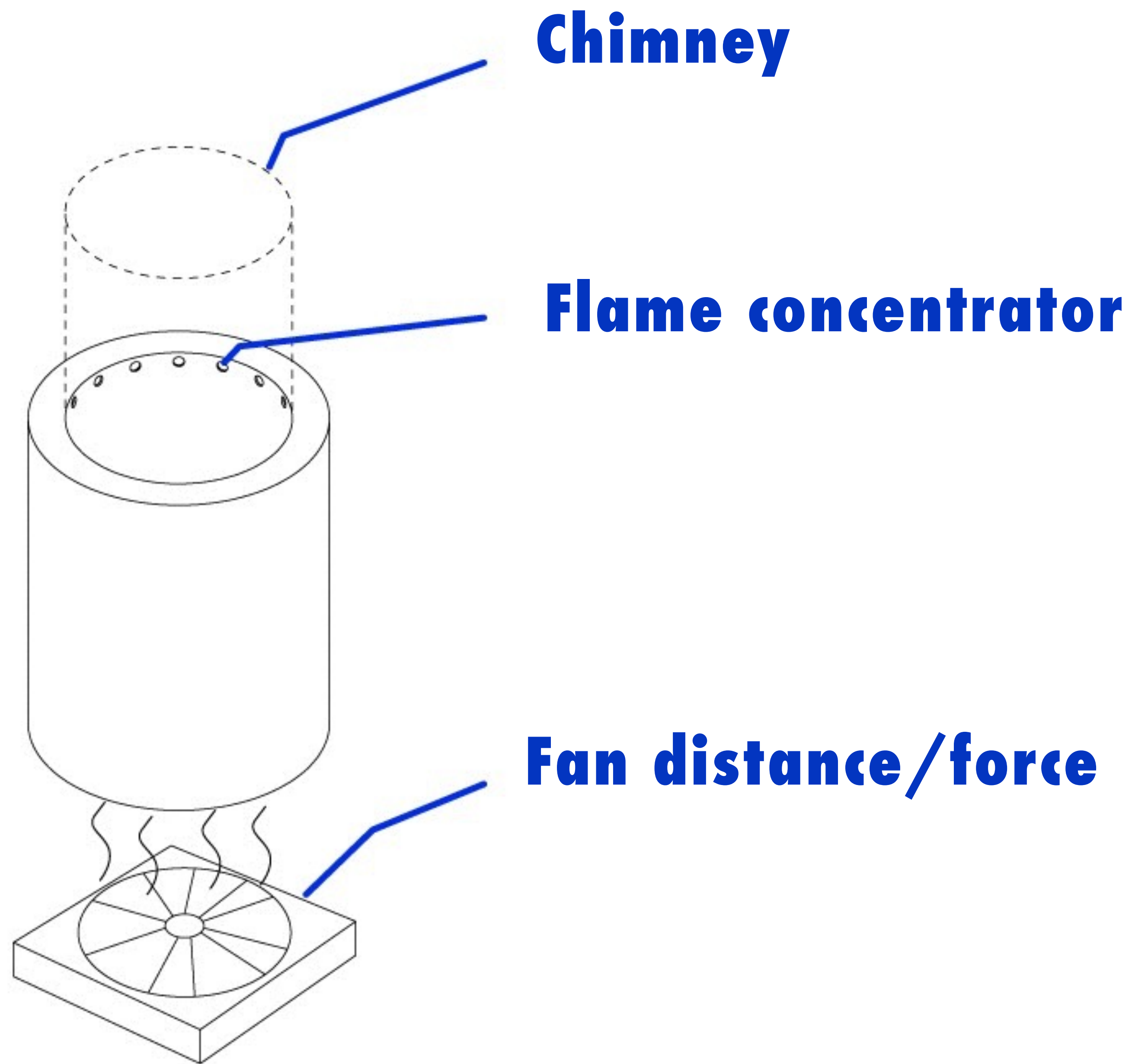






Thank you





TLUD









43785





prime
COOKSTOVES



