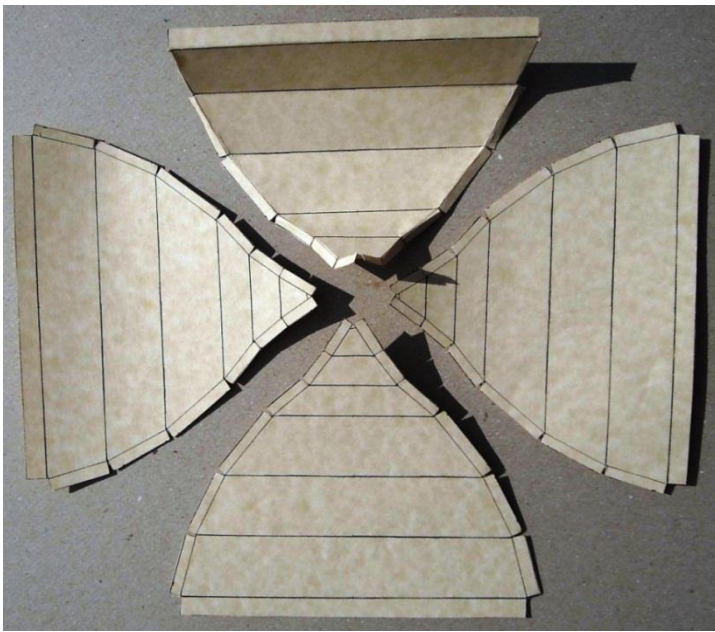
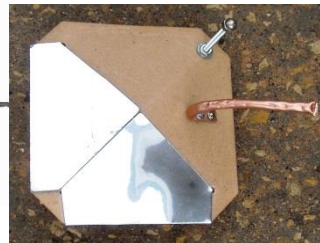
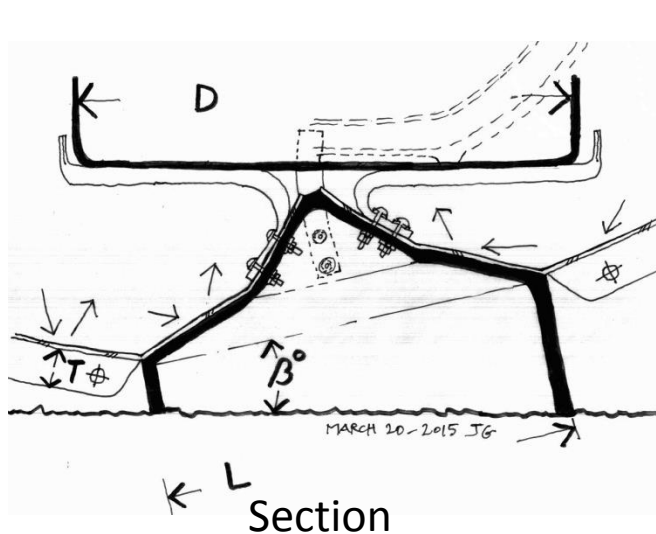


Stand-alone solar cooker study notes

March 19-2015 JH Goodman



4 identical reflector full segments

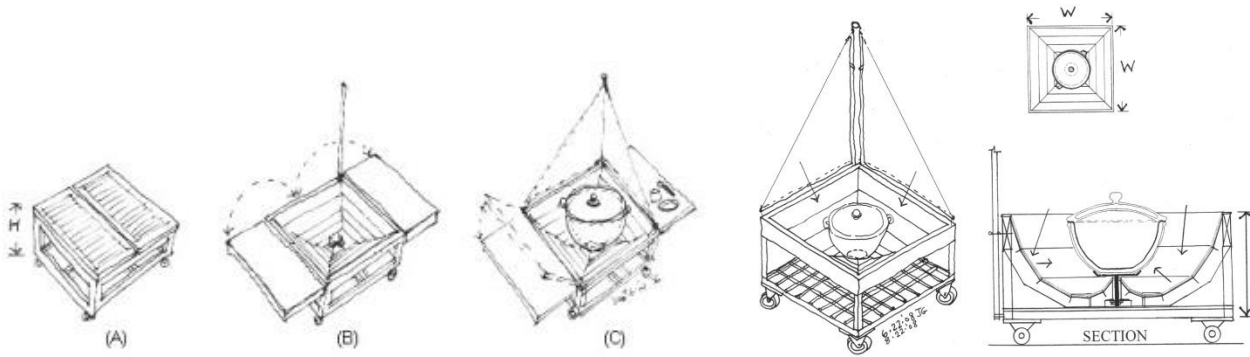


In reconsideration of the weighted base in previous studies, a weighted base may not be needed because the weight of the food and pot can stabilize a lightweight solar cooker during moderate wind gusts. Lightweight to bring inside and take outside almost daily with ease. The weighted base previous form work however may be of interest modified to not hold concrete, sand or stones, easing the base component manufacturing process (injection molding, 3d printing, etc.) and this would have the pot holder and cooker inclination structure to resolve. Full identical reflector quadrant segments would reduce the number of reflector types to only one segment shape. A study in progress, continuing...

Perhaps a more direct way forward for a very low cost solar cookers for refugee camps is to make an anodized aluminum reflector similar in shape to the cardboard "Cookit" solar cookers.

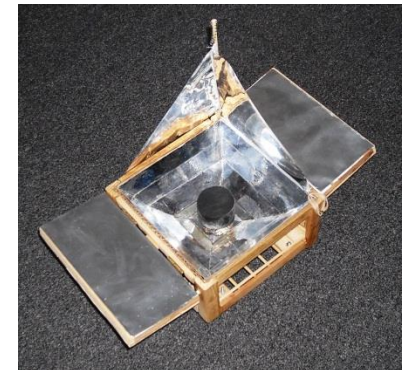


Anodized aluminum reflector mock-up full-size model with 3lb SCI roaster



Solar Cooker Cart

Aug 16, 2008
Joel H. Goodman June 2, 2008



Solar cooker cart