

# Solar Smelters International

## Solar Turkey Cooker

## Picnic Table Design

# Build Yourself Drawings

WWW.SOLARSMELTERSINTERNATIONAL.ORG

Recipe: Solar Turkey. Put on FROZEN at 9AM. WRAP WITH TWO TURKEY OVEN PLASTIC BAGS. STUFF WITH GARLIC. Ready By 4PM. Point at sun once every 15 minutes.

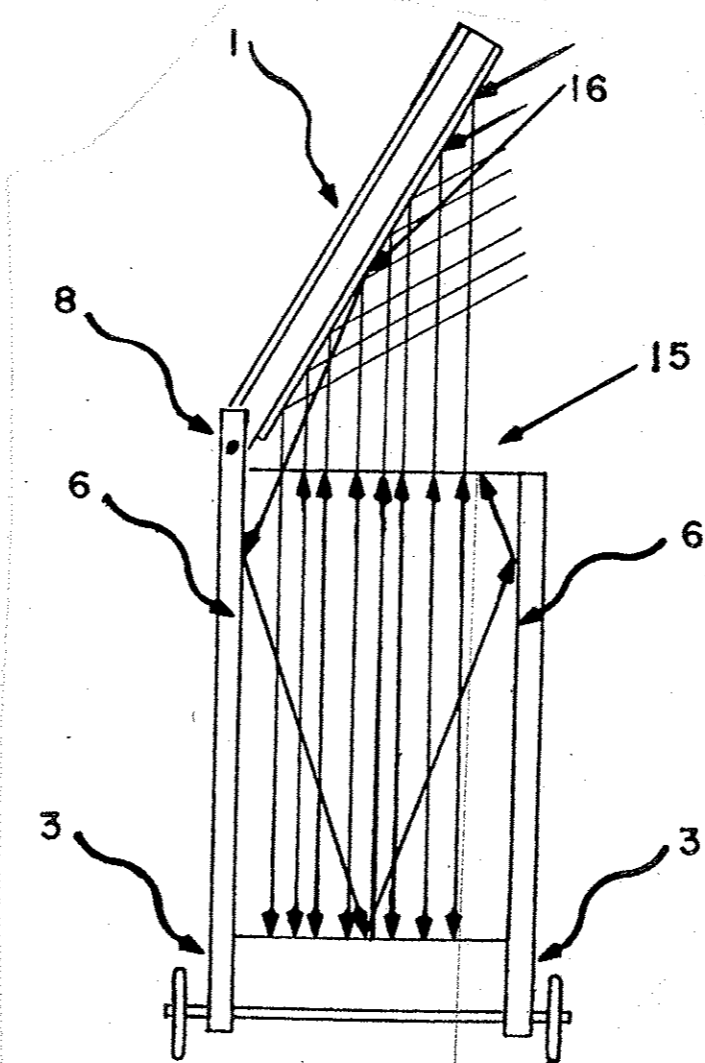
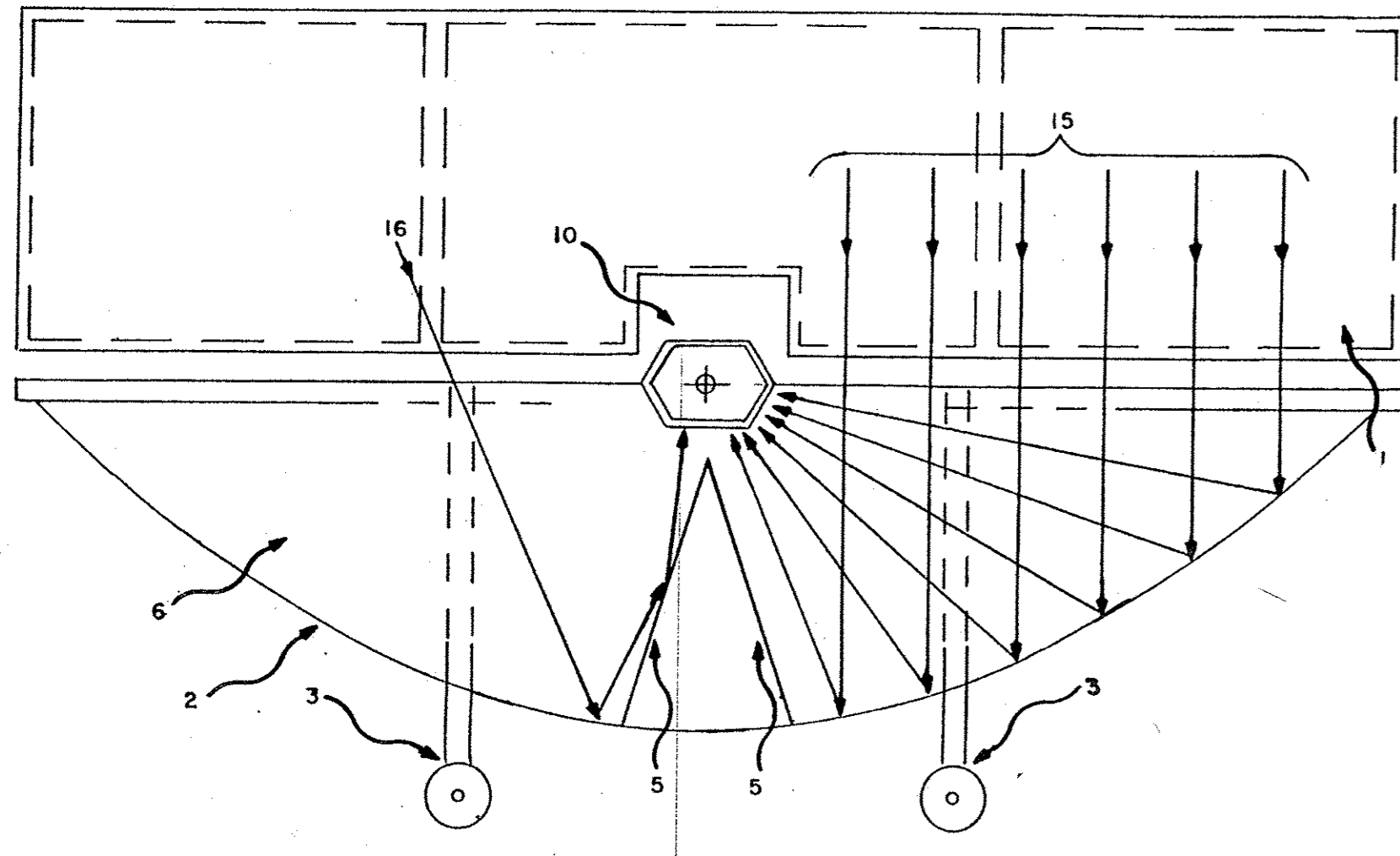
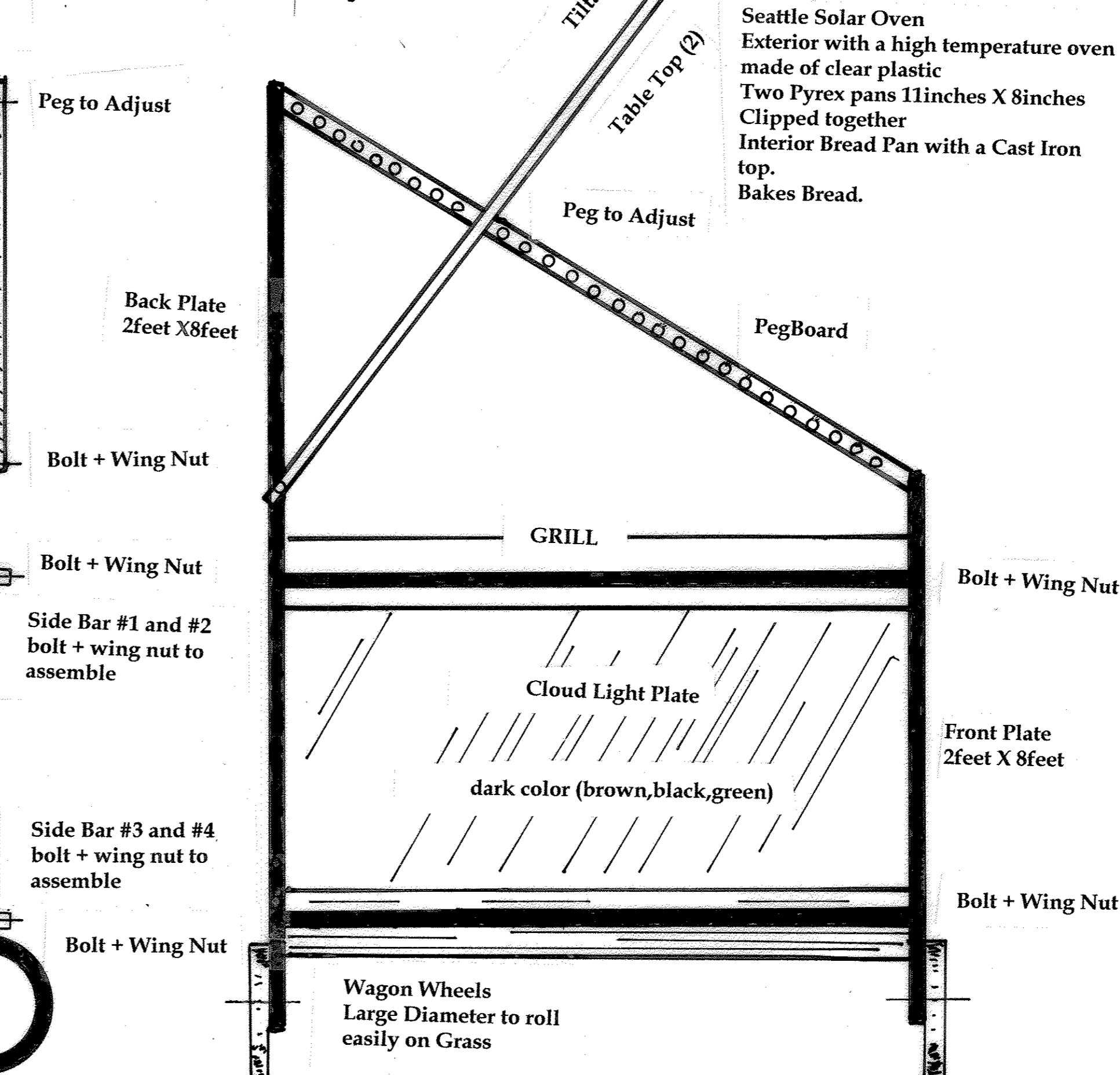
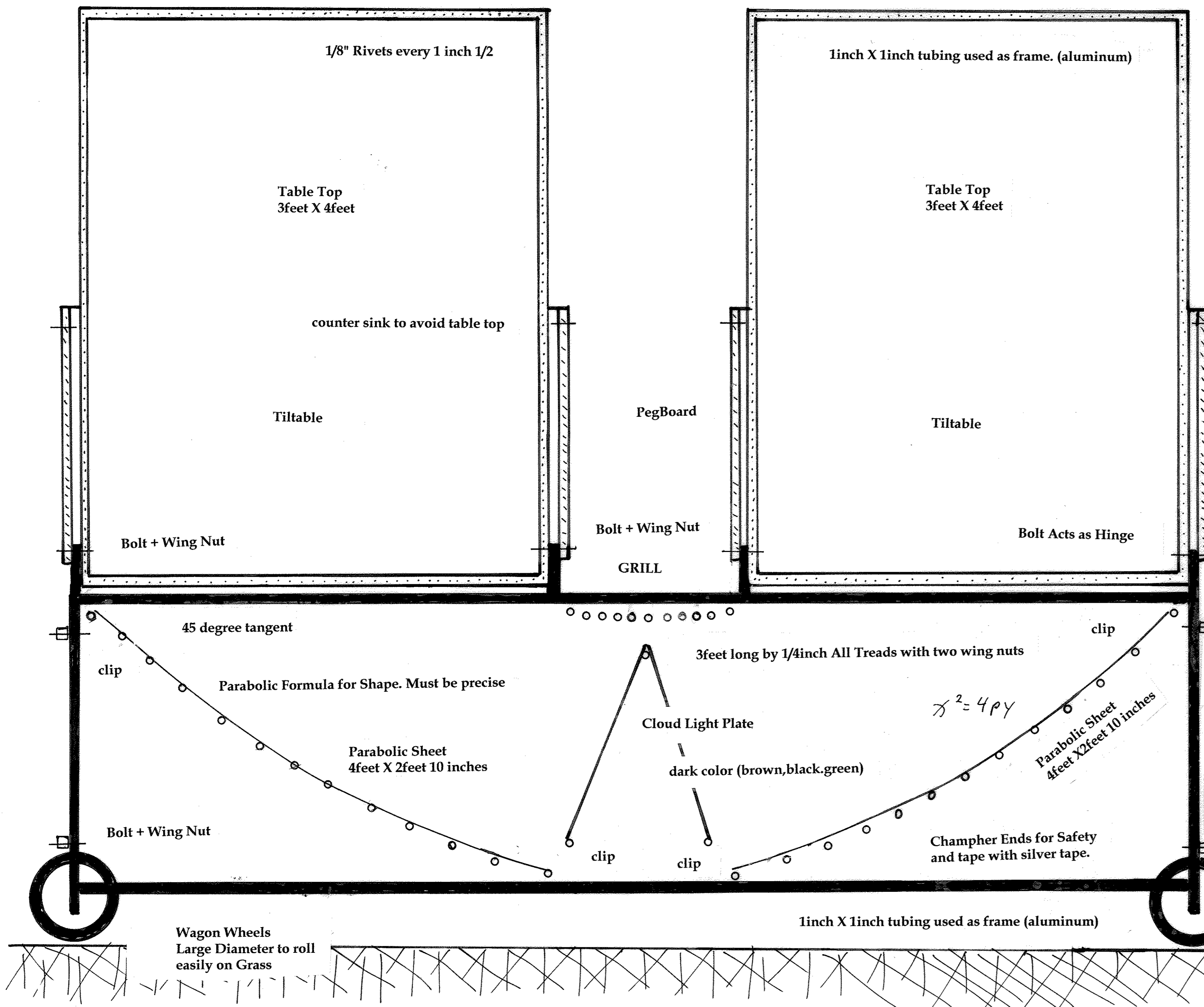
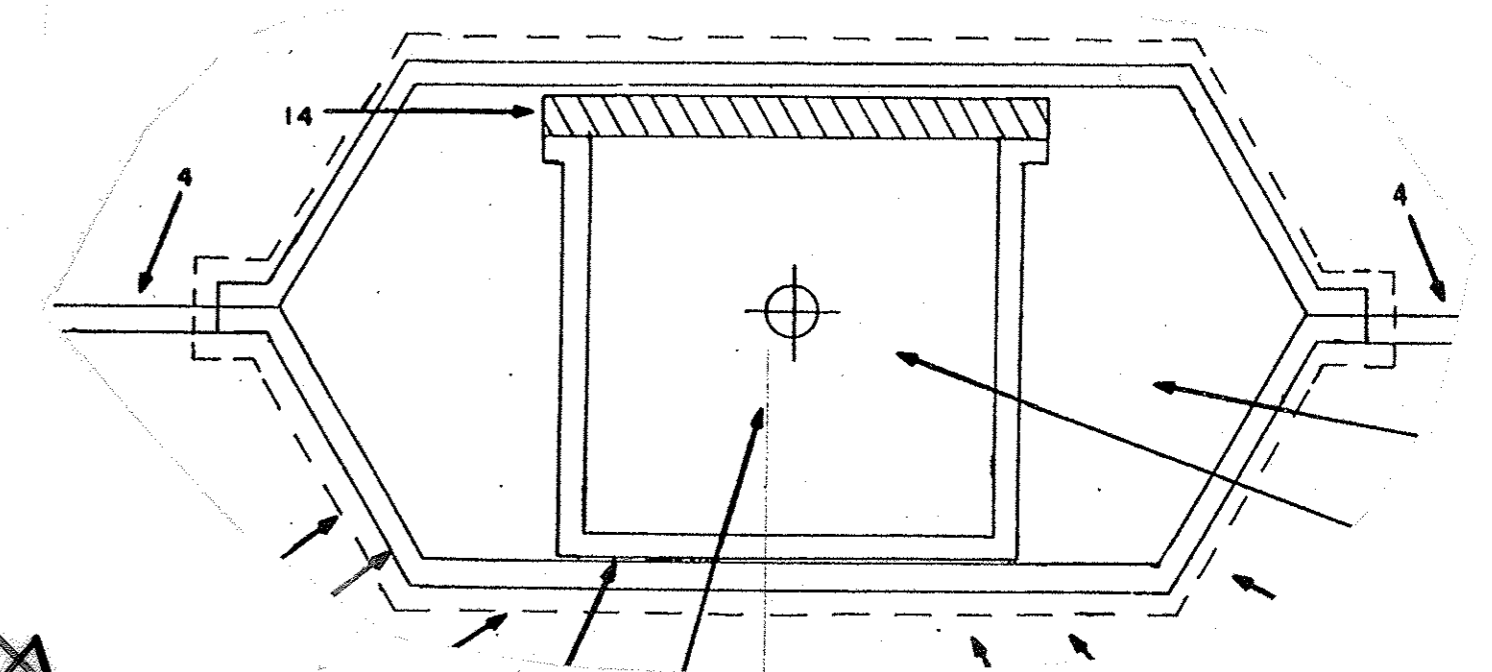


Illustration of reflection (entire interior is reflective) Silver Mylar, or Aluminum Mylar (potato chip bag material) or electroplated Aluminum Oxide.



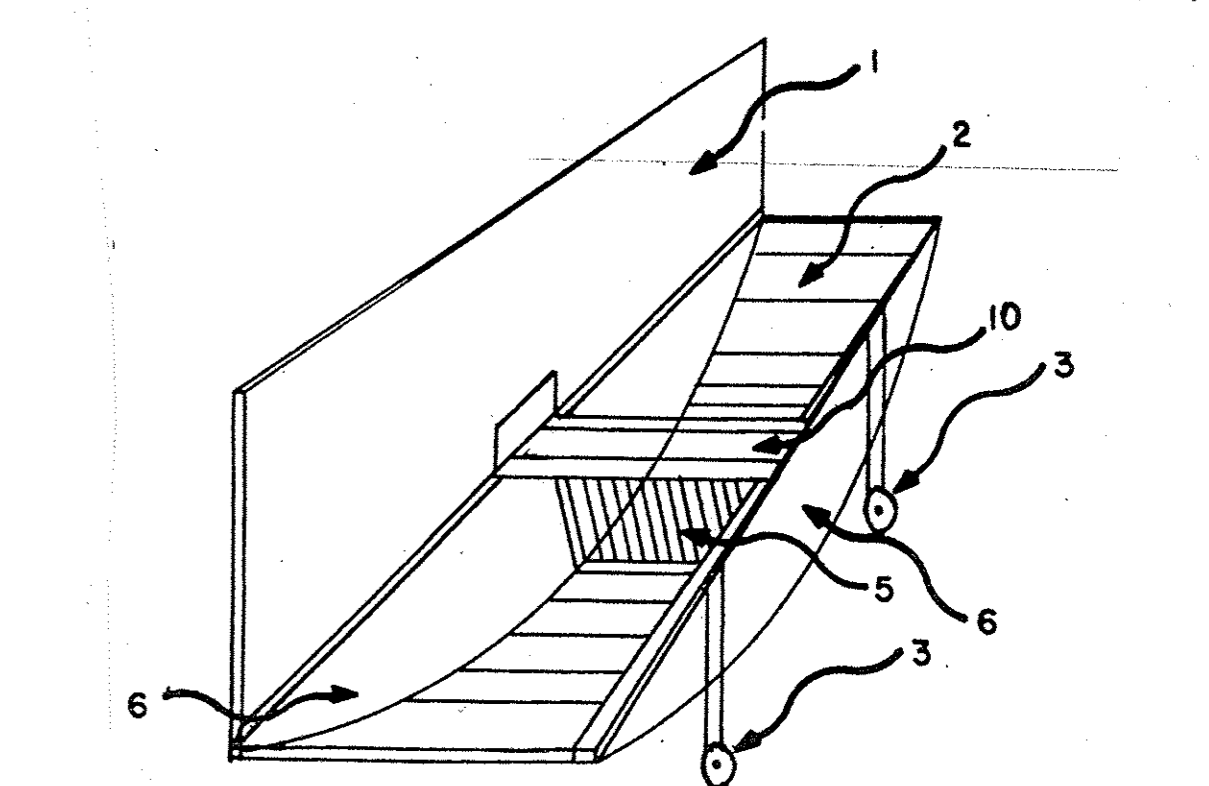
**United States Patent** [19] US05113845A  
 Nix [11] Patent Number: **5,113,845**  
 [45] Date of Patent: **May 19, 1992**

[54] **PORTABLE SOLAR HEATING DEVICE AND HEATING PROCESS UTILIZING SOLAR ENERGY**  
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 [22] Filed: **Sep. 20, 1990**  
 [31] Int. Cl. F24J 2/02  
 [52] U.S. Cl. 126/451; 126/439  
 [58] Field of Search 126/451; 438; 439

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**ABSTRACT**  
 A concave parabolic reflector receiving solar rays directly and by reflection from an angularly adjustable auxiliary collecting plate and from a stationary side plate reflects such solar rays to a line focus at which material to be heated is located, which may be liquid, gas or food to be cooked. Such food may be placed in a container having a cast iron heat sink cover and such container may be an inner container enclosed in an outer container spaced from the inner container a distance sufficient to form a cooking chamber for cooking food in the outer container at a temperature lower than the temperature within the inner container. The degree of tilt of the auxiliary reflecting plate can be adjusted depending on the elevation of the sun and such plate can be swung to horizontal position to serve as a dining table.

13 Claims, 6 Drawing Sheets



ALL ALUMINUM CONSTRUCTION

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 us Patent 5113845  
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MORE INFORMATION ABOUT SOLAR COOKERS IS AT WWW.SOLARCOOKERS.ORG

Disclaimer: The user shall NOT hold the inventor, Solar Smelters International or Sunbustion liable for abuse or misuse. The user shall be responsible for safe operation, and be responsible for safe cooking practices. Experimental. Personal Protective Safety Gear recommended, including UV resistant sunglasses.  
 The user can make a few for self use, or several for local village and neighbor use. For mass production rights contact Solar Smelters International or the Inventor. US Patent 5113845 applies.