Written Description

THIS DOCUMENT DISCLOSES DETAILS ON THE INVENTION OF THE

Thermal Bowl

DOCUMENT VERSION: Original

INVENTOR'S NAME: Example Two

INVENTION NAME: The "Therma Bowl"

INVENTION FUNCTION: The "Therma Bowl" maintains the contents of its water bowl at desirable temperatures for long durations.

SPECIFIC, UNIQUE FUNCTION OR PROPERTY OF INVENTION: The "Therma Bowl" is a water bowl for use by animals, and that features interior insulation and an included covering lid.

INVENTION FEATURES: The "Therma Bowl" features a water bowl, insulation within the body of this bowl, and a lid that covers the water bowl.

The bottom perimeter of this bowl is lined with a textured rubber material.

INVENTION BENEFITS: The "Therma Bowl" maintains the water it stores at cool temperatures.

The "Therma Bowl" maintains its water at cool temperatures for long periods of time.

The "Therma Bowl" reduces the frequency in which the water it stores must be replaced.

The "Therma Bowl" ensures that pets can access water for consumption at a desirable and beneficial temperature.

The "Therma Bowl" ensures that water of a proper, cool serving temperature is available for long durations.

The "Therma Bowl" addresses the needs of outdoor pets in particular regions and during particular seasons.

The "Therma Bowl" addresses the need of pets for cool fluids to maintain proper hydration.

The "Therma Bowl" addresses the need of pets for cool fluids to maintain proper body temperatures.

The "Therma Bowl" can help prevent pets from suffering from dehydration.

The "Therma Bowl" can help prevent pets from suffering from heat exhaustion.

The “Therma Bowl” benefits both outdoor and indoor pets.

The “Therma Bowl” benefits pet owners, as well.

By ensuring that water of proper temperature is available for lengthy time periods, the “Therma Bowl” reduces the frequency with which pet owners must change the water in their pets’ water bowls.

By reducing the frequency with which pet owners must change water for their pets, the “Therma Bowl” provides a desired convenience.

By reducing the frequency with which pet owners must change water for their pets, the “Therma Bowl” reduces the overall amount of water that must be provided to these pets.

The lid included with the “Therma Bowl” furthers its temperature maintenance of contents.

The lid included with the “Therma Bowl” reduces direct contact of its contents with sunlight.

The lid included with the “Therma Bowl” reduces the risk of evaporation of its content.

The lid included with the “Therma Bowl” reduces the risk of dirt, insects and other contaminants from entering its contents.

The lid included with the “Therma Bowl” reduces the risk of content spillage while being transported.

The rubber lining upon the bottom surface of the “Therma Bowl” provides frictional contact upon its resting surface.

The rubber lining upon the bottom surface of the “Therma Bowl” helps maintain its position wherever placed.

The rubber lining upon the bottom surface of the “Therma Bowl” prevents its slippage when placed upon smooth settings and/or angled planes.

The “Therma Bowl” can fulfill an established need of pet owners.

The “Therma Bowl” can fulfill an established need of security companies, law enforcement agencies and military units that include dogs or other animals in their services.

The “Therma Bowl” can join the successful category of new and improved pet products.

The “Therma Bowl” can join the successful category of environmentally-responsible pet products.

The “Therma Bowl” can join the successful category of improved healthcare pet products.

The “Therma Bowl” can join the successful category of convenient pet products.

INVENTION VARIATIONS: The “Therma Bowl” can be made in various sizes and shapes, and with various storage capacities.

The “Therma Bowl” can be made as a single unit with interior insulation.

The “Therma Bowl” can be made in varieties as a double-dish, and for storage of both food and water at proper serving temperatures.

The bowl of the “Therma Bowl” can be made of various materials and/or combination of materials, including but not limited to polypropylene (PP), high-density polyethylene (HDPE), polystyrene (PS) and rigid polyvinyl chloride (PVC). Various metals may also be used in its construction.

The insulation within the bowl of the “Therma Bowl” may be made of various materials, such as but not limited to expanded polystyrene (EPS) foam, icynene™, polyisocyanurate and polyurethane (PU) foam.

The lid of the “Therma Bowl” may be made of various materials, such as but not limited to polypropylene (PP), low-density polyethylene (LDPE), polyethylene terephthlate (PET) and plasticized polyvinyl chloride (PVC).

The lid of the “Therma Bowl” may or may not have an open area.

The rubber applied upon the bottom surface of the “Therma Bowl” may be made of various materials, such as but not limited to butadiene rubber (BR), polysulfide rubber (PSR) and silicone rubber (SiR).

The rubber lining may be applied upon the entire bottom surface of the “Therma Bowl” or only in a particular perimeter width.

The “Therma Bowl” can be made in varieties that receive power, by direct current (DC) or alternating current (AC), to maintain set temperatures of its contents.

The “Therma Bowl” can be produced in various colors, and may or may not include various designs and/or logos, which may or may not be of registered trademark and/or copyright status.

MECHANICAL DESCRIPTION: *(This mechanical description is provided for specificity purposes only, and is not intended in any way to limit the dimensions, materials of production and/or scope of use regarding the “Therma Bowl.”)*

The bowl of the “Therma Bowl” is made of a polypropylene (PP) material of one-eighth of one inch depth (⅛”), and by injection molding.

The exterior dimensions of the bowl are an approximate eleven and one-quarter inch (11 ¼”) diameter and four-inch (4”) height.

The interior dimensions of the bowl cavity are an approximate nine-inch (9”) diameter and three and one-half inch (3 ½”) height.

Contained within the hollow interior of this bowl, and applied by injection, is expanded polystyrene (EPS) foam, for the purpose of insulation.

Applied upon the exterior circumference of the bottom surface of this bowl is rubber lining, made of polysulfide rubber (PSR) with textured exterior plane.

A lid to cover the “Therma Bowl” is made of a polypropylene (PP) material of one-eighth of one inch depth (⅛”), and by injection molding.

This lid has an approximate diameter of eleven and one-quarter inches (11 ¼”). Approximately ninety degrees (90º) of the exterior circumference is open, and the apex of this open area is rounded.

USAGE: A user may fill the “Therma Bowl” with chilled water.

The contents of the bowl will then remain chilled for longer durations than it would in ordinary circumstance.

Its animal users may then enjoy chilled water for extended periods to improve their comfort and protect their health.