

Green technology based 'Eco-friendly' cooking apparatus

This invention relates to an **exhaust cooker** for preparing food **using exhaust flue gas** from a vehicle. The food can be cooked with direct application of steam. This cooker can also be **used to produce distilled/ DM water** for application of drinking and batteries of the vehicles. This **time- saving** device cooker is cost-effective, **economical and eco-friendly** and in a way also acts as an energy-conservator and is suitable to all geographical conditions. It epitomizes the basic concept, of "From waste to BEST" and "Small is beautiful".

Potential area for Applications

- Need of tea/ food on long routes of driving (e.g. truck, goods train)
- Tea or Coffee-maker in motor cars.
- Relief to heavy-vehicle operator, in cold region/ climate
- Sterilization of syringes, bandages, cotton and other material in mobile Ambulance.
- Boiling of normal water (for use in bath / washing of clothes in running vehicles)
- Washing of infant milk-bottles (in Passenger Train and Buses).
- Preservation of hot food in steam chest even after switching off the engine
- Manufacture of distilled water for use in Batteries of Vehicle
- Use by farmers by installation of device in their Tractors/ irrigation Pump-sets.
- In Luxury/ tourist buses of long (non-stop) run.
- It can be used in all types of generator sets e.g. generators fitted in trains & ships.
- Since no naked flame is used, military personnel can use it with great ease at the border areas, especially at night.

Benefits

- Relief by way of availability of food to Drivers/ occupants of vehicle in inclement weather conditions (Road blockage during snow-fall, land slides etc)
- Availability of Quality (Steam-cooked food) of choice: Low calories, more nutrients, Delicious, Hygienic and easily digestible.
- Conservation of energy : Recovery of waste heat
- Eco-friendly device : Recycling of exhaust flue gases and Clean technology
- Employment potential : Income-generation for small entrepreneurs
- Saving in money for users
- Zero-cost technique: Self-dependent and tension free system of cooking for vehicle drivers.

Fields of application



Scooter



Tea/Coffee heating



Water heating



Distilled water



Tractor



Long distance buses



Railway



Cooker



Generator



Car in cold region



Ambulance

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