



It is designed for marine use although it could be adapted for vehicle use. A pot burner is used for a pilot light combined with an injector which must be mounted at bottom of generator. This method is ideal when the diesel pump is driven by the main steam engine. The injector need only work when the engine runs. When the engine stops, the pot burner holds steam pressure and acts as an ignition flame to start the injector when the engine runs. I have kept pressure on my generator for a month this way. The pot burner can be bought or can be easily made as I have shown.

The pot burner can be lit by hand through a hole on the side of the pot, or a 12 volt ignitor can be purchased to light the fuel electrically.

Light diesel fuel burns well this way, and will not go out due to good control of air. The butterfly valve and control valve can be turned low to give high or low flame. These pot burners come in sizes from 4 to 13 in. diameters and would be ideal for use with Stanley type boilers.

In a nutshell, this has covered most of my burner work. I would help anyone who is interested in making up a burner for their own use, and I can supply any of the parts required if necessary when they cannot be obtained in the U.S.A.

In another article I will describe how to convert an IC engine to steam and give details of combined inline diesel pump for pumping water and fuel from the one pump with a 10 to 1 ratio.