

Salem Firm Busy Making Space Heaters for Alaska Bases; Postwar Mart Seen

One Salem firm which has been kept busy with war work since before Pearl Harbor is Caspar & Cutler, furnace manufacturers on Portland road. Most of their work has been in manufacturing space heaters for Alaska army and navy bases, although they have built many small coal-burning furnaces for defense housing projects in the northwest.

The space heater, of which over 3000 units have been made, is of large capacity, one million BTU's and upward, designed for use in warehouses, dormitories or other open-area buildings. It embodies some unique features, but publication of pictures of the heater is still under army ban.

Answer Found
In the days when Jap planes were bombing American bases out in the Aleutians the tall smoke stacks served as pointers for warehouses and barracks on the ground. So the army engineers called for changes to do away with the stacks. Herman J. Cutler, who since the first of the year is the sole owner of the business, studied the problem and found a solution in an induced draft which discharges the gases at the side of the building, with no stack required.

The space heater is made of plate steel, rectangular in shape, with a narrowed top. Dimensions

are 11 ft. 6 in. by 7 ft. 8 in. by 3 ft. 6 in. The inner shell, lined with firebrick, is the firebox in which fuel oil is burned through a conventional burner. A fan sucks the flame and gas through down-vents at the end of the firebox into tubes, three on each side, leading to a chamber at the front of the furnace, whence the gases are exhausted through a pipe leading to the outside air.

Fins Radiate Heat
On the outside of the inner shell are steel fins, welded to the shell which serve to radiate the heat. Three powerful fans at the bottom of the structure draw in air from the floor, force it over the smoke tubes and through the air space between the inner and outer shell, where it absorbs heat from the walls of the firebox and the radiating fins, and discharges it through three vents on top of the furnace. Direction of the air flow is con-

trolled through rotation of the outlets. The air flows at high velocity and the firing is under thermostatic control, with the usual safety features for oil burner installation.

5 Buildings in Plant
It was nine and a half years ago that Cutler and Nicholas Casper took over the old Berger furnace shop in the Hollywood district. Five and a half years ago they moved to their own new plant north on Portland road. Some months ago a new building, welding shop, 50x150 ft., was constructed, making five buildings in all. The regular payroll numbers 30.

A month ago Caspar retired from the business. Cutler is continuing and is confident he will find a large peacetime market for his space heaters for schools, gymnasiums, store buildings, factories, etc., as well as for other types of furnaces and oil burners.

Notarial Commissions Show Slight Drop

A report of Secretary of State Robert E. Farrell, jr., Saturday showed a total of 2631 notarial commissions used during the period July 1, 1942, to June 30, 1944, a slight decrease when compared with figures for the previous two years.

Mortgage Burning Monday



Marion Post 661, Veterans of Foreign Wars, Monday at 7:30 p.m., will burn the mortgage on their home at Hood and Church streets, pictured above. Louis E. Starr of Portland, past commander of the state and present national vice commander, will make the principal address. The public and all ex-service men and men in the service are invited. A dance, no admission charge, will follow the ceremony.

Deputy Income Tax Collectors To Be Available

The treasury department has announced that deputy income tax collectors will be available during the period January 22 to March 15, as follows:

- Benton county—Alesca, Jan. 30; Corvallis, Feb. 19 to Mar. 15, incl.
- Linn county—Halsey, Jan. 27; Sweet Home, Jan. 29-30, incl.; Lebanon, Jan. 31-Feb. 2, incl.; Albany, Feb. 5-17, incl.
- Marion county—Salem, Feb. 1-Mar. 15, incl.; Mill City, Feb. 13; Silverton, Feb. 14-15, incl.; Woodburn, Feb. 16-17, incl.; St. Paul, Feb. 19.
- Polk county—Vasets, Feb. 14-15, incl.; Independence, Feb. 16-17, incl.; Monmouth, Feb. 20;

Dallas, Feb. 21-22, incl. Yamhill county—Newberg, Feb. 13-14, incl.; McMinnville, Feb. 15-17, incl.; Willamina, Feb. 19.

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