

 **HAUCK**

CIRCULAR FLAME
KEROSENE BURNERS

Bulletin 132

HAUCK MANUFACTURING COMPANY

Main Office and Works: Brooklyn, N. Y.

THE Hauck Circular Flame Burner is the latest development of a Hauck Burner, producing a circular flame of sufficient intensity to bring material to the melting point quickly without undue depreciation to the bottom of kettles, pots or other containers. Its patented design insures quick generation of kerosene, and as the generating coil is not in the heart of the flame, **EXCESSIVE** and **RUINOUS** carbonization, usually produced in other types of burners, is thus eliminated.

It is the result of 22 years of oil burner experience. The burners are successfully used for the melting of tar, pitch and asphalt, lead, babbitt and linotype metals; boiling of liquids; heating varnish, rosin, glue; as well as for heating enameling and drying ovens.

Simple in design, yet ruggedly constructed, the burner is easily operated by unskilled labor and needs very little attention. It can be instantly set up in the fire box of any kettle or oven and is ready for operation within a few minutes. Burner can be regulated to keep materials at proper temperatures without boiling over. Further details on page 4 of this bulletin.

No Smoke—No Ashes

SAVE TIME in heating and melting materials.

SAVE FUEL as kerosene is cheaper than coal or wood.

SAVE LABOR in handling fuel and doing the work.

RESULT — Lower costs which make for better profits.



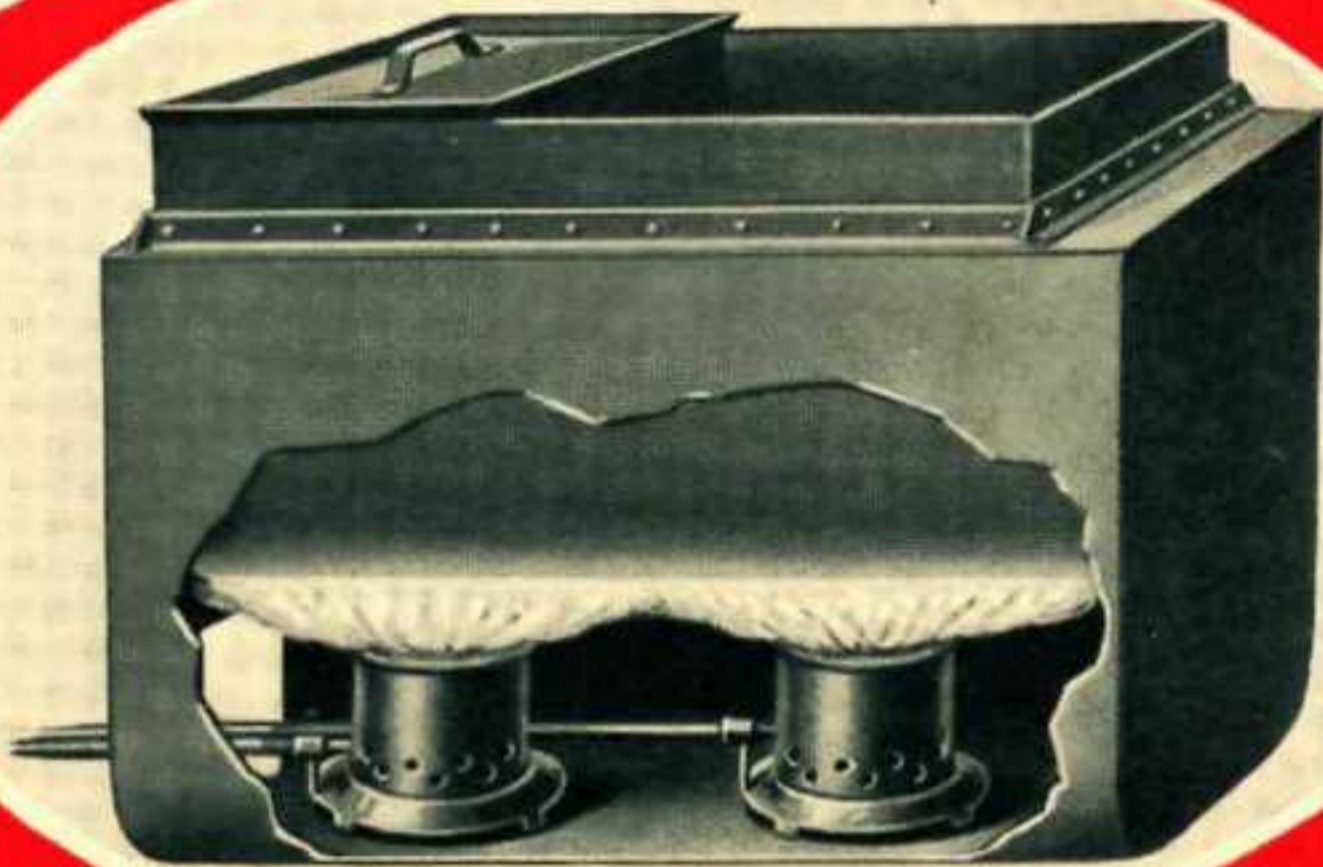


ILLUSTRATION on opposite page shows two Hauck circular flame burners used in an asphalt kettle on the Baltimore Highway. Ten barrels of material were melted in 8 hrs. "Hot stuff" within 45 minutes after starting. Consumption of both burners—23 gallons of kerosene per day.

A roofer writing us about the satisfactory service of the outfit, tells us he was able to save 1200 lbs. of material at \$44.00 a ton, by keeping it at the desired temperature with a Hauck circular flame burner.

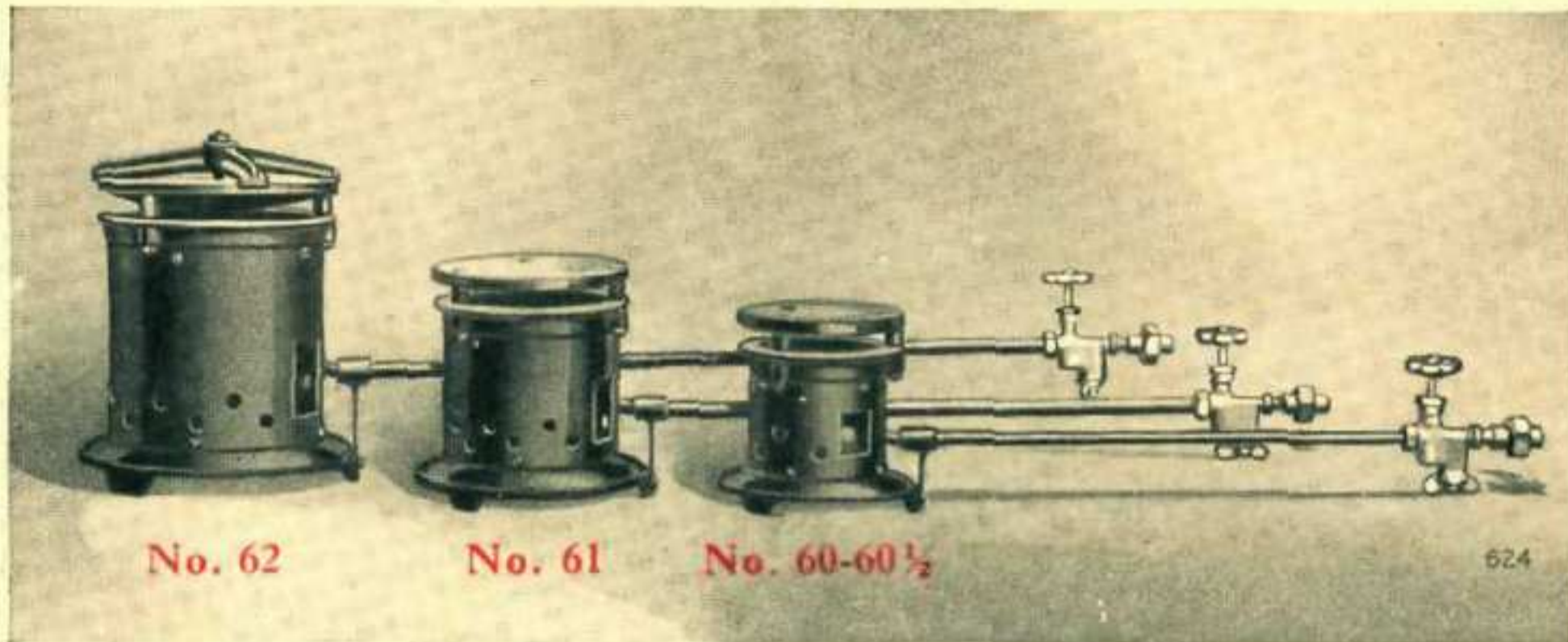
A New England concern, using the No. 61 burner, melts 450 lbs. of composite lead metal in 35 minutes, keeping the metal in a pouring condition during the eight-hour day, at a cost of 8 gallons of kerosene. With coal it took from 1 to 1½ hrs. to melt the same quantity of metal. The No. 62 burner brings the same metal to a cherry red for special castings, in 40 minutes. With coal it took from 1½ to 2 hrs. Oil consumption—14 gallons in 8 hrs.

In a large printing shop two tons of metal were heated to 800° F in 2 hrs. with a No. 62 Hauck outfit. The kettle was cold at the start. The oil consumption was 5½ gallons.

A chemical company maintained 385° F in an oven 8 ft. long, 3 ft. wide and 12 inches high, for drying calcium salts or powder with two No. 60 circular flame burners.

The elimination of smoke is of particular interest to the contractor and roofer working in cities where the smoke laws are rigidly enforced.

10/10/67 Pa. Appraisal Co.



We make the following recommendations for heating pitch and tar kettles:

Up to 30 gallons capacity.....	No. 60	outfit
Up to 50 gallons capacity.....	No. 60 $\frac{1}{2}$	outfit
Up to 100 gallons capacity.....	No. 61	outfit
Up to 150 gallons capacity.....	No. 62	outfit
Up to 200 gallons capacity.....	No. 63	outfit

Any size of burner can be used with tanks of different capacity. Combinations of two burners on one tank, usually with 20 gallon tanks, can be arranged. We also make special equipments for kettles and wagons from 200 to 500 gallons capacity.

No.	Cap. of Tank	Length of Oil Hose	Height of Burner	Diam. of Deflector Plate	Diam. of Flame	Diam. of Base	Oil Con. Per Hr.	Outfit Complete	Burner Only
60	3 gal.	6 ft.	6 ins.	5 ins.	9 ins.	6 ins.	1 gal.	\$	\$
60 $\frac{1}{2}$	5 gal.	6 ft.	6 ins.	5 ins.	9 ins.	6 ins.	1 gal.		
61	12 gal.	12 ft.	7 ins.	6 ins.	11 ins.	7 $\frac{1}{4}$ ins.	2 gal.		
62	15 gal.	12 ft.	11 ins.	7 $\frac{1}{2}$ ins.	15 ins.	8 $\frac{1}{2}$ ins.	3 gal.		
63	20 gal.	12 ft.	11 ins.	5 ins.	17 ins.	10 ins.	3 $\frac{3}{4}$ gal.		

Construction

BURNER—is built to stand hard service. It is of the vaporizing or hand pump type, i. e., air is pumped into the tank to force the kerosene (petroleum or coal oil) to the burner to be pre-heated and vaporized, forming a gas, which aided by free air, produces a soft, yet intense heat.

HOSE—special oil resisting, interwoven rubber hose furnished with ground brass unions.

TANK—3 and 5 gallon tanks are of welded steel construction while the 12, 15 and 20 gallon tanks are of pressed steel, tested at 150 lbs. per square inch. All tanks are tinned inside and outside in order to make them rust-proof. All seams and spuds are welded; pressure gauge, fittings and valves of the best materials and workmanship available.

PUMP—made of brass is inside of the tank; is of particularly long stroke and quick acting. A few minutes pumping to 40 to 50 lbs. pressure will operate the burner for several hours.