

CARE OF BATTERY VERY IMPORTANT

(Continued from page 15)
 the battery is even more severe, the discharge rate being equivalent in amperes to probably four or five times the ampere hour rating of the battery. Chemical reactions take place much more readily at high temperatures than at low, so that the efficiency of a storage battery is considerably less in cold weather than it is in warm weather, and this, coupled with the fact that the number of hours of darkness during which the car is likely to be used is greater in cold weather than in warm, often results in the battery becoming discharged or failing to carry the load imposed upon it during the winter, even though it operated very satisfactorily during the summer months. The engine is always harder to start in cold weather due to the fact that gasoline does not vaporize as readily and the oil in all the bearings and around the pistons is stiff, making the engine much harder to turn over. In such cases it is often necessary to increase the output of the generator during certain months of the year in order to make up for the loss in efficiency and increase in output the battery is called upon to supply.

What Summer Use Does
 The condition of operation during the summer months and long days may, on the other hand, result in serious damage to the battery on account of excessive charging in proportion to discharge. During the summer the motor turns over more easily and the battery is much more efficient, the gasoline vaporizes more easily and the lamps are not used as much as they are in the winter. This condition of recharging can be relieved by having the generator output reduced and by burning the lights during the day, depending upon the amount of charge put into the battery. There are a few simple rules for the care of the battery that the owner can follow out and increase the length of service of the battery.

Rules for Battery Care
 Keep the interior of the battery box clean and dry.

Put nothing but the battery in the battery box.

Keep the top of the battery clean and dry. Moisture on the top of the battery causes a leakage of current between the terminals of the cells and tends to discharge the battery.

Do not connect spot and stop lights direct to battery. Wires will be broken and corroded if connected to the battery terminals. Connect to hot side of starting switch or ammeter.

Keep terminals clean and covered with grease.

The battery must be held down firmly.

Have the battery inspected twice a month and distilled water added to the electrolyte when necessary. Never add acid.

Here are rules for the care of storage batteries when not in service:

Out-of-Service Rules
 When the automobile is put away during the winter months the battery should be removed and placed in storage. It is desirable to have the temperature of the room where the battery is kept fairly constant and as near 70 degrees Fahrenheit as possible.

During the out-of-service period the battery should be cycled every 30 days, that is, charged and discharged and then recharged to capacity so as to keep the active material of the plate in a live and healthful condition.

If the battery is allowed to stand for long periods and is not given attention the plates become sulphated

and in time the battery is totally ruined.

Any good service station will help you to get the most out of your battery, so make it a point to stop in every two weeks and have your battery examined.

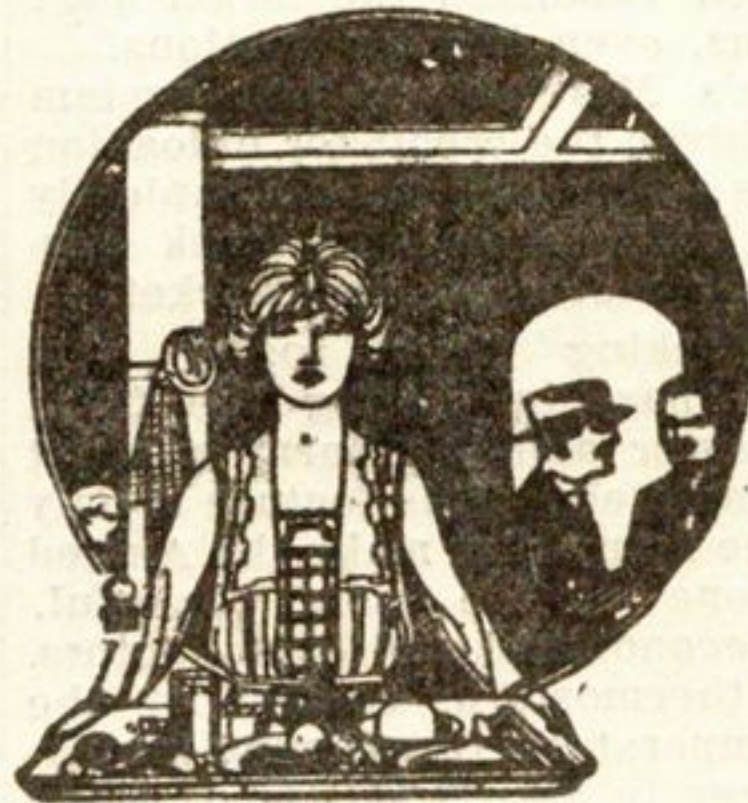
Fuel Gas Now Demanded by Smaller Industries

The demand of so-called smaller industries for fuel gas—a feature in the expanding field of gas in manufacturing noted for a long time—continues to manifest itself in the towns served by the Public Service company. New concerns are adopting it in addition to the many representing familiar trades. Nearly all parts of the territory are involved. In all cases marked improvement in processes has followed.

The American Gas association research people figure out a list of hundreds of small industries which are potential gas users.

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| Napkin and handkerchief cases, 50c to \$1.00. | Tray doilies.....50c to \$3.00 |
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| Towels, Madeira.....\$1.00 to \$3.50 | Center pieces.....\$1.50 to \$5.00 |
| Towels, Mosaic.....\$3.75 to \$12.00 | Scarf, 36 in., 45 in., 54 in., and 72 in., \$3.00, \$4.00, \$5.00 and \$6.00 |
| Towels, cut work.....\$2.25 to \$3.00 | Madeira napkins, doz.....\$6 to \$25 |
| Chair back Madeira, filet and cut work.....\$1.50 to \$5.00 | Cut work napkins, doz....\$14 to \$35 |
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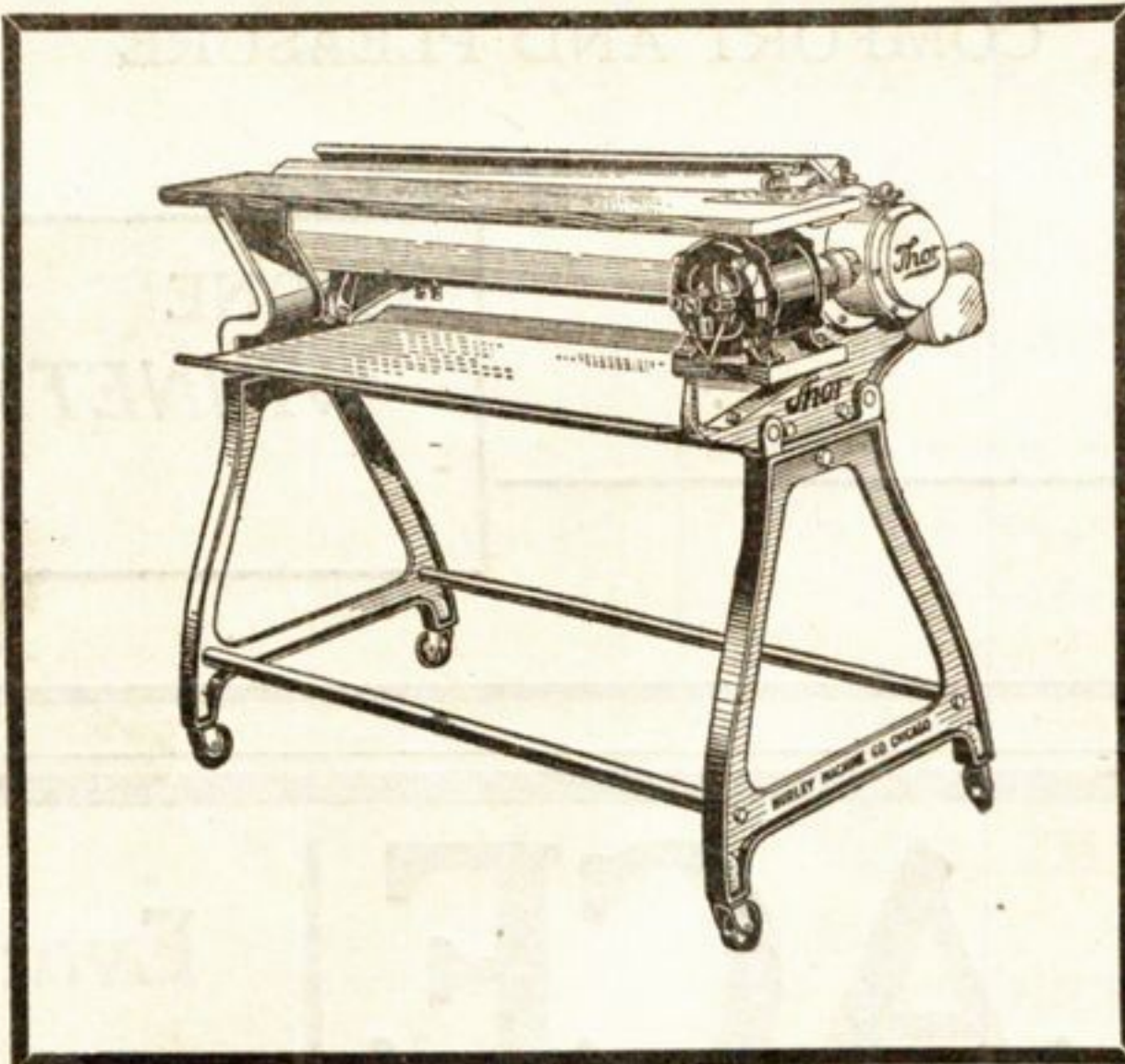
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