

DEPARTMENT OF TRADE AND COMMERCE

ELECTRICITY AND GAS INSPECTION SERVICES

Ottawa, May 15th, 1934.

District Inspectors of Electricity & Gas:

Re-Barrier for use in Sangamo type HC meters

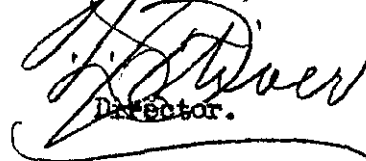
Dear Sirs:--

Recently the Sangamo Company Limited, Toronto, Canada, forwarded one of their type HC single phase watthour meters in which had been fitted over the upper section of the cast iron grid a thin metal barrier or shield. The purpose of this shield is to prevent circulating air currents inside the meter itself and to more or less separate the meter register from the operating coils.

It has been found on meters that have been out in service for long periods and which have been subjected to overloads and high voltages that there is a tendency for the coils to give off fumes from the insulating varnish. These fumes circulate throughout the meter and condense on the register parts and in time the register develops high friction due to the pivots, etc. becoming covered with a green sticky deposit.

This is to advise you that this barrier has been examined in the Laboratory and the National Research Council has given approval to the Sangamo Company Limited, Toronto, Canada, to supply this metal barrier or shield in all their type HC single phase watthour meters.

Yours truly,


Director.