



## A Practical Lighting Plant For Small Municipalities

The Canadian Fairbanks-Morse Company, Ltd., has just placed on the market an easily managed lighting plant for the farm or small community. This plant which is complete in itself, is designed for 40, 50, 65, 100 or 200 lights of sixteen candle power, or 20 watts each. For municipalities requiring more lights the firm is prepared to make up any combination of engine, generators, switch board, etc., to give any capacity or any voltage. The principal part of this lighting plant is a low speed, horizontal water cooled kerosene engine, which is not only strong and durable, and irressistable of most of the vagaries of mankind, but every part is readily accessible. It is easy to operate and requires no mechanical knowledge or experience to run it. The other machinery that make up the plant are a ball bearing dynamo, a switch board and storage battery.

The plant is designed to operate 30 volt metallic filament lamps, commonly known as Mazda lamps. The lamps are standard and easily, obtained in 10, 20, 40, 50, 75, and 100 watt sizes, which gives 16, 32, 46, 75, and 100 candle power respectively. The 20 watt, 16 candle power lamp being the most common is used as the basis for rating these plants. The

engine need only be used once or twice a week to charge the battery. The stored electricity obtained from the battery is used as required by the simple process of turning a switch. When the battery is run down the attendant can run his lights from the dynamo and charge the battery at the same time, or when the battery is well charged he can combine the output of both dynamo and battery to operate more lights than he could from either one alone.

From the above brief description it is obvious that the Canadian Fairbanks-Morse Company has placed upon the market a very desirable and comparatively cheap electric lighting plant for small municipalities that are not located near large electric power stations, and in this country there are hundreds of such communities. One great advantage of this lighting plant is that it is shipped complete to the last detail and users can be assured of prompt and competent service from this company's numerous branches. As the company is sending out demonstrate to every part of the Dominion it would be advisable for those councils desirous of installing such a lighting system as has been briefly described here to get in touch with the firm's headquarters in Montreal.