

USEFUL HINTS.

The proper way to protect a blow-off pipe is to cover it with a sleeve with an air space between, and to use the blow-off cock more frequently.

According to Von Oechelhauser, says the Gas World, a Welsbach lamp gives one candle for every 33 square millimetres of its area. According to Bernstein, an electric glow-lamp filament gives off the same four square millimetres.

Electricians say the safest place of refuge during a thunderstorm is a trolley car, and that no instance is known of one having been struck by lightning. The wires and car pole are a far better protection than any lightning rod.

When buying gaskets with which to pack man-hole or hand-hole covers on steam boilers, be careful to select those that are soft and tough, and not too thin, for the inside of the heads where these are to be used, and also the covers themselves are frequently anything but smooth and true, and the gaskets must "fill the gaps," as it were.

The battery on the bell and annunciator circuit in an office building became quite weak, so much so that it would not ring the bells although it would work the annunciators, they requiring less current than the bells. Investigation finally located the trouble as being a wasted zinc in one of the cells of the battery. Fresh solution in the cell and a new zinc caused the system to work all right again.

There should be something in your ad. different from any other ad. if you wish it attract and hold attention. Novelty strikes forcibly where the commonplace is unnoticed.

WANTED - BY ELECTRICIAN AND STEAM ENGINEER

Position on plant of gas incandescent lights and upwards, with air lighting, as general man in charge of plant (willing to turn). Nearly 10 years experience on all kinds of construction thoroughly posted in arc, motor, constant current and wire incandescent; also transformer work, single and two phase with 2 and 1 wires. Good practical knowledge of station working, steam & water. Thoroughly well up in incandescent lighting. A great hustler on inside wiring and pole line work. First class references. Salary low for steady employment. Address C. O. F.

ELECTRICAL NEWS OFFICE.

PACKARD Incandescent Lamps PACKARD TRANSFORMERS

Scheeffer Recording Watt Meters

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Packard Hospital for all kinds of Electrical Repair Work.
Expert Information given free.

PACKARD ELECTRIC COMPANY
(LIMITED)

ST. CATHARINES, ONTARIO

Our "Acme" Automatic . . . GURTAINS Railway Coach and Street Car

For either open or closed cars—made to fit any Window,

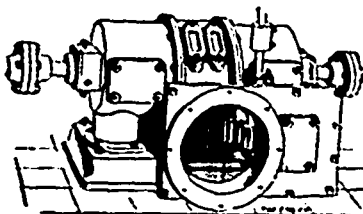
ARE THE BEST IN THE WORLD.

We also manufacture a New Special Material for Excursion or Open Street Cars, which is perfectly waterproof, will not fade, natter in appearance, any width without a seam, stronger and cheaper than any shade now upon the market. Can be seen on new cars lately erected by the Toronto Railway Co. We also carry in stock every description of Railway Coach and Street Railway Shade Cloth, Goods, Fixtures, etc.

WRITE FOR PARTICULARS AND SAMPLES.

Menzie, Turner & Co. SHADE TORONTO
MANUFACTURERS

"Little Giant" Electrical Turbine



SPECIALLY ADAPTED FOR ELECTRIC WORK.

Highest efficiency at partial gate opening.
Steadiness of motion. Easily operated.
Sensitive to the action of a governor.
No end thrust on wheel shaft.

Descriptive Circular Sent on Application

Estimates furnished for complete power plants.
Machine dressed gearing a specialty.

CORRESPONDENCE SOLICITED

J. C. WILSON & CO. - GLENORA, ONT.

253 Little Giants sold to the Canadian Government.

TO— Central Station Men

READ THIS LETTER STATING THE EXPERIENCE OF A CLIENT:

DEAR SIR: I take pleasure in recommending to your consideration Mr. Geo. White-Fraser, E. E., who has been acting for this Corporation as Electrical Engineer for the past two seasons with much satisfaction to the Committee and Council. I feel satisfied he has SAVED US MANY TIMES THE FEE we have been paying him for his services.

Respectfully yours,

CHAIRMAN WATER AND LIGHT COM.

The original of this can be seen at my office.

Better see what I can do for you before you make any purchases of Steam or Electrical Machinery.

GEO. WHITE-FRASER

MEM. AM. INST. ELEC. ENG.

18 Imperial Loan Building, TORONTO

Consulting Electrical Engineer