

## The London Machine Tool Co., LONDON, ONT.

MANUFACTURERS OF GENERAL MACHINERY...

Having recently sold our patterns and plant to the A. R. Williams Co., of Toronto, retaining only such machines as are useful in our business, we beg to say that we are rapidly putting in New Machinery, from new and improved designs, and are now in a position to receive orders for all Standard Tools for Metal Working in all branches. It will be our aim, by personal supervision of the product of works, with expert men of large experience at the head of each department, to turn out nothing but first-class work at moderate prices. And as we intend to deal directly with the manufacturers, they will be enabled to get their machinery at first cost.

As we shall not be able to personally visit each manufacturer, it is for this purpose that we publish this advertisement. This is our agent who is going about to solicit a share of your patronage. We are thankful for the patronage extended to us in the past, and hope that we may secure an extension of the favors for the future.

All correspondence relating to the following Tools will be promptly answered, viz:

**LATHES**—Engine, Gap, Break, Turret, Fox, Spinning, Etc.

**PLANERS**—Standard, Crank, Plato, Etc.

**DRILLS**—Standard, Sensitivo, Multiple, Radial, Etc.

**MILLING MACHINES**—Lincoln, Plain, Universal, Etc.

**SHAPING MACHINES**—Whitworth, G. & E., Rack-Driven, Etc.

**HAMMERS**—Steam, Sandago Drop, Stiles Drop.

**BULL-DOZERS** for all purposes.

**PUNCHES AND SHEARS** for Plato, Angles, Channels, Gauges, Etc.

And we would call special attention to our **PRESSES** for Cutting, Stamping, Drawing, Wiring, Riveting, Etc. We shall also esteem it a pleasure to give quotations on Special and General Machinery in our line.

**LONDON MACHINE TOOL CO.**

## JOHN J. KELLER & CO.

104 and 106 MURRAY ST.  
NEW YORK

220 Church St., Philadelphia.

135 Pearl Street, Boston.

**Aniline Colors,  
Dyewood Extracts,  
Sumac and  
Nutmeg Extracts.**

**FAST COLORS** for Wool Dyeing,  
One Dip Cotton Colors, Novelties  
and Specialties for Calico  
Printing.

MANUFACTURED BY

**JOHN R. GEIGY & CO.**  
BASEL, SWITZERLAND

**LIGHT YOUR  
FACTORY WITH**

## LUXFER PRISMS

The latest device for

**LIGHTING**

dark rooms and  
offices

**By Daylight**

For catalogue  
and estimates  
write to

**Luxfer Prism  
Co'y, Limited.**

58 Yonge Street, - TORONTO.

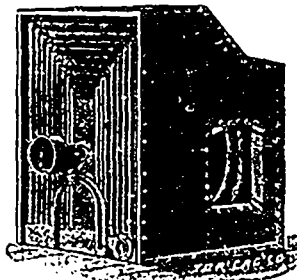
## HEATING . . .

The Fan System of Steam Heating for Heating  
of Factories and all Classes of Buildings.

## DRYING . . .

Appliances for Drying

**Lumber, Brick, Wool, Cloth,  
Hair, Soap, Glue, etc.**

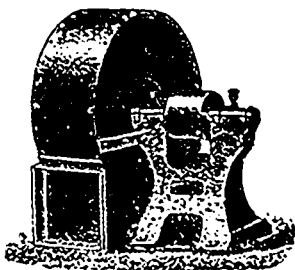


Heater and Housing.

## VENTILATING . . .

Ventilating Fans for removal of Dust, Foul Air, etc.

WRITE FOR CATALOGUE AND PRICES.



Fan.

**McEachren Heating and  
Ventilating Co., GALT, ONT.**

fair to do so, the general prevailing rates for such a privilege being the guide.

It should be observed that before making the concessions in question the Government insisted that the company should undertake not merely the manufacture of pulp, but the more finished product, the manufacture of paper. The company is under obligation to employ at least 240 men about the mills, but the employment of this number at the mills necessitates a considerable volume of work in the woods and on the rivers. This will afford employment for settlers in the winter, a great desideratum in new districts where the poorer settlers must find cash jobs to carry them over the lean years that every settler experiences while he is making his clearing. The agreement carefully provides that the logs taken shall be made into pulp and paper, and not exported as logs. It is, indeed, a beginning in Ontario of an industry that may become one of its greatest sources of wealth and employment, and it is a pity that the Conservative press cannot drop its dreary attitude of suspicion and examine the whole matter with an open mind and some faint spark of public spirit.

## THE PENNYCUICK GLASS AND LIGHT COMPANY.

The following details of a new industry that is about to be established in Toronto will be read with interest:

The financial success that has attended the introduction of all of Mr. James G. PennyCUICK's inventions and discoveries, from his lacing stud for boots, down through his range of sanitary improvements to Luxfer prisms, which has circled the globe in less than two years, has suggested to his trustees and others the advisability of at once placing upon the market his latest discoveries.

The first is his light diffusing globe for artificial light, by means of which he has succeeded in a very simple manner, as he expresses it, in taming the arc light. The value of this will be better understood when it is known that since the discovery of this light by Prof. Brush, of Cleveland, science has entirely failed to temper the terrible light to the eyes, or diffuse the dark shadows which render its general use comparatively impractical, unless at a loss of about 75 per cent. Edison pronounced it impossible to carry the light from the arc of the carbons much above the angle of forty-five degrees unless the lamp is turned upside down, and this, to attain the full benefit of the light also to be a failure, hence the ground glass globe with the loss of seventy-five per cent. of the light remained as the only remedy, until Mr. PennyCUICK—at the suggestion of Prof. Brush, undertook the task, and at his very first experiment, in the Upper Canada College grounds, succeeded in not only tempering the light within a few inches of the eye, but in carrying the rays of light away up in a rising, horizontal direction. Thus the light from the rays fall like the sunlight, hence there are no intense lights and no intense shadows.

It will thus be readily seen that an article of this nature is of incalculable commercial value.

The second article which it is proposed to manufacture and place on the markets of the world is Mr. PennyCUICK's glass conduit for the conveying of electricity without material loss of power.

The fact may simply be referred to, that the enormous powers of Niagara Falls, and other natural powers throughout the world,