

refrigerator with liquid air, only it will waste a little faster.

You want a glass of ice water. Pour the water into the tumbler and drop into it half a teaspoonful or less of liquid air. Then watch it a moment, for it is a beautiful experiment. After dancing and bubbling and showing all manner of jewel tints for about a minute the liquid air disappears. Your glass of water is now cooled, and has a little lump of ice in it.

To cool an oyster let one drop of the liquid fall on it. Too much would freeze it harder than flint. Should you happen to put too much on a lump of butter you could pound it into yellow powder with a hammer, though it would soon thaw.

Many kinds of food and drinks are much improved after being thus frozen and thawed.

To make ice cream pour a little liquid air into the cream or custard and stir vigorously.

To cool your parlor on a sultry day take half a bucket of liquid air and splash it about the room. It will dance over the floor in bright globules and fill the room for a moment with a cloud of mist, but it will wet nothing and do no injury even to the most dainty upholstery.

It will not only cool the air but will make it pure, for there is always an excess of oxygen in liquid air. In the sick room this cooling and freshening of the air will be simply invaluable especially in fever cases. In the case of diseases such as yellow fever, the germ of which cannot endure frost, all danger of contagion and spreading fever may be averted. The protection to nurses will be perfect.—New York World.

#### THE BOOM IN THE NOVA SCOTIA COAL TRADE.

Unless something unlikely happens the present year will be a record breaker, both as regards increase in output, in comparison with increase in previous years, and total shipments. For the nine months ending Sep. 30th, there has been a very much larger increase in shipments than during any twelve

months previously. At the present writing it looks as if the shipments by Dec. 31st will reach two and a half million tons, at least. The figures for three of the larger companies alone, show the increase in shipments, for the nine months to be 310,000 tons, apportioned as follows.

|                              |         |
|------------------------------|---------|
| Dominion Coal Co.....        | 232,000 |
| Acadia Coal Co.....          | 50,000  |
| Cumb. Railway & Coal Co..... | 28,000  |
|                              | 310,000 |

The Dominion Coal Company should for

the three remaining months of the year, show shipments in excess of the closing months of '98, of at least 75,000, and the other collieries should all show increases so that it is possible to look for a half million tons, increased output.—Mining Record.

#### THE AMERICAN PAPER TRADE.

The following rather queer and contradictory combination of facts and ideas are published consecutively in The Paper Mill:—

"The clamor for an export duty on pulp wood has broken out anew in Canada. A

### THE "SAFETY" Acetylene Gas Machine

Manufactured by

**THE SAFETY LIGHT AND HEAT CO.,**

DUNDAS, ONT.

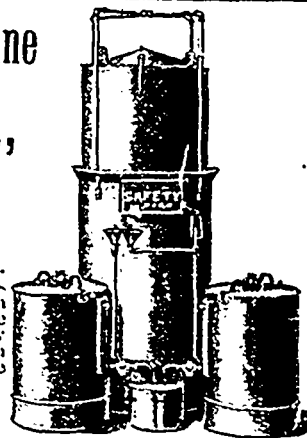
WHAT SOME OF OUR FRIENDS  
SAY OF US:

DEAR SIRS.—In reply to yours of the 7th inst., I am quite satisfied with the Acetylene Gas as a means of lighting. The light is quite steady, brilliant and soft, and lights every part of the church thoroughly. While I know practically nothing about working the machine, my warden tells me it is very simple. With ordinary care I consider it perfectly safe, safer indeed than lighting with coal oil. There has been no smell of gas in the church. We have been using it now since February 1st.

ARTHUR H. WHALLEY.

LANCASTER, ONT.

St. John the Evangelist Church.



## Felts for Pulp Mills

20 years in the business—the first to make Felts in Canada; capacity 1,000 lbs. per day. All our Felts are woven endless, without a splice. Our Felts will last longer and make dryer Pulp. All up-to-date mills use our Felts. New mills, when in need, write for samples and prices.

HAMELIN & AYERS, Lachute Mills, P.Q.

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

Toronto Office. (PHONE) MANUFACTURERS GENERAL MACHINERY....  
42 York Street. { 293 } OF

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—Engino, Gap, Break, Turrot, Fox, Spinning, Etc.  
PLANERS—Standard, Crank, Plato, Etc.  
DRILLS—Standard, Sensitive, Multiple, Radial, Etc.  
MILLING MACHINES—Lincoln, Plain, Universal, Etc.

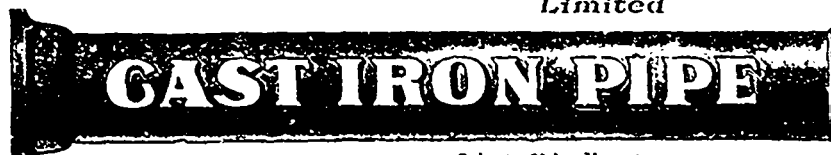
SHAPING MACHINES—Whitworth, O. & E. Rack-Driven, Etc.  
HAMMERS—Steam, Sandage Drop, Stiles Drop.  
BULL-DOZERS for all purposes.  
PUNCHES AND SHEARS for Plato, Angles, Channels, Gauges, Etc.

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.

ALEX. GARTSHORE, President. J. G. ALLAN, Sec.-Treas. JAS. THOMSON, Vice-Pres. and Gen. Mgr.

## THE GARTSHORE-THOMSON PIPE & FOUNDRY CO.

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Special Castings and all kinds of FLEXIBLE AND FLANGE PIPE.  
**WATER WORKS SUPPLIES HAMILTON, ONT.**

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