

The Kennebec valley also has sufficient pulp wood to supply the mills and water-powers on that river, but the wood on these rivers cannot be made available to the large pulp and paper mills in Western Maine, New Hampshire, Vermont and New York, owing to long and expensive rail transportation.

When the vast capital invested in expensive water powers and pulp and paper mills in New York and New England is considered, making at least 720,000 tons of pulp for paper each year for domestic use and for export, requiring more than 700,000,000 square feet, board measure, of spruce, and under the prevailing system of cutting destroying 160,000 acres of average forest land each year, it is not a difficult problem to figure out how long this drain on the

forests above mentioned and available to these mills can continue. Moreover, the saw mills in those districts require for lumber a quantity of spruce equal at least to the demands of the pulp mills.

Paper must be made from spruce wood even at a price much greater than it is worth to-day.

THE DISCOVERY OF ACETYLENE GAS.

The facts relating to the discovery of acetylene gas which are vouched for are both novel and interesting. It appears that, some years ago, Thomas L. Wilson, of St. Catharines, Ont., was smelting for metallurgical purposes. From time to time he used a

good deal of rock salt in his furnace stock, and also limestone as a flux. Whenever these two materials were fused together, the slag produced by the intense electrical heat included a dirty grayish substance wholly unlike anything else he had ever seen. For weeks he noticed this substance without giving more than passing attention to it, dumping it into the stream upon the bank of which he had built his furnace. One day a curious thing occurred and at a time when the pile of slag had become so large that its top rose above the surface of the water. A minute or two after dumping the slag as usual into the stream, some of it going under and part of it remaining above the water in a red hot state, the sizzling and steaming was followed by a bright burst of flame. The

"KINDLY SEND THREE MORE."



That's what one of the largest factories in Canada asked for. Probably couldn't decide who should keep the one copy we sent them.

You can't do better than to ask for one

IT'S A RECORD BREAKER.

IT'S HOT WEATHER....

To talk steam goods,

But remember—If you pack the stuffing boxes with

"Vulecabeston"

The Steam will stay inside.

THE FAIRBANKS COMPANY,

749 Craig Street,
...Montreal...

**Reduce Your Fuel Bills
Increase Your Output...**

BY USING

The IMPROVED JONES UNDERFEED STOKER

Guaranteed Increased Economy, from 15 to 50%. | Guaranteed Increased Boiler Capacity from 40 to 100%.

NO ASHES. NO SMOKE. NO TROUBLE. NO MONEY REQUIRED IF GUARANTEES ARE NOT FULFILLED

The First and Only Successful Underfeed Stoker.

No Underfeed Stoker is successful without infringing our Patents, and the public are warned against importing or using infringing devices.

N.B.—Have you seen our Underfeed as applied to Houses, Schools, Churches, etc.? (Send for Circular).

For Estimates and other Information write

The General Engineering Co. Limited

SOLE MANUFACTURERS FOR CANADA,

Head Office.... **80 CANADA LIFE BUILDING, - TORONTO.**

Montreal—A. TREVETHICK, - Box 1123.

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURER.

