

BRUCE DIVISION

**SUPERIOR
CEMENT**

The Sun

IT SHINES FOR ALL.

ORANGEVILLE, APRIL 24, 1902.

THE DAY OF FATE.

AT last the date of the Ontario elections has been made public. Nominations will take place on Thursday, May 22nd, and polling a week later. The campaign will be short, sharp and decisive. Conservatives all over the province are hopeful of success and it really looks now as if there will be a change of Government. The Tories are in excellent shape for the fray and a great many Liberals are going to vote for a change.

ANOTHER CEMENT PROPOSITION.

THE promoters of the Superior Portland Cement Co. were in Orangeville on Tuesday and discussed the advisability of erecting cement works in this town. Judge Morgan of Toronto is president of the concern and a number of Toronto people are associated with him in organizing the company to develop the Caledon lake marl beds. While here the promoters had a very satisfactory interview with the council and it would not be surprising if some tangible result would come of the meeting on Tuesday. Everything, of course was formal, but the promoters made a proposition that if a free site was granted, free water and exemption from taxation the works would be established in Orangeville. This seems a reasonable offer and the interests of the town can be fully protected. It is altogether different from giving a cash bonus. When the Superior Portland Cement Co. are ready to proceed, which, we trust, will be in the very near future, THE SUN is sure that the property owners of Orangeville will give the company's proposition their best consideration.

April 24,
1902.

CEMENT PEOPLE HERE

Arranging to Establish Works in This Town for the Manufacture of That Article.

Judge Morgan, president of the Superior Portland Cement Co., and eight or ten of the directors paid Orangeville a visit on Tuesday and drove out to Caledon lake to look over the marl beds. After the return to town the president and the directors attended a special meeting of the council for the purpose of discussing the subject of establishing the works in Orangeville.

Judge Morgan stated that he was satisfied it would be a good thing for the town to have the works. He did not believe in bonuses himself, but thought if the town would grant a free site, exemption from taxation and free water it would be a sufficient inducement for the company to locate here.

E.J. Daly, a director, said that the company would employ on the start about sixty men and it was possible that several industries might grow out of this one. With fair success sufficient capital ought to be subscribed by August 1st, when work on the property would be commenced. It would take \$150 000 to place the works on a going basis.

A FAIR PROPOSITION.

Mayor Marshall, Councillors Fish, McKeown and Green thought the proposition was a fair one and had no doubt that the ratepayers would vote in favor of granting the company what it asked. They promised the council assistance in bringing the proposition to a successful issue.

APRIL 24,
1902

ORANGEVILLE
SUN

WEEKS.

DEPOT DOTS.

Many excursions are being run over both divisions this month and the train crews are kept busy,

Mill street ratepayers should petition the council to lay a concrete pavement from the skating rink to the depot. It is very badly needed.

Arthur Newman, who was hurt in a wreck on the Teeswater branch last summer, is now firing the yard engine here for his father. Art's friends will be pleased to hear that his ankle is gradually getting better.

The Superior Portland Cement Co. is rushing work along on their plant and the big storehouse is nearing completion. Very few people have any idea of the vast amount of work that is entailed in a project of this kind, but when it is once going the people will realize what a great industry it is.

AROUND US.

The mystery surrounding the tragic death of little Glory Whalen is perhaps now nearer a solution than at any time since the murder was committed. The police are working on an altogether new theory, and should they be enabled to establish their conclusions they will prove startling and unexpected.—
Collingwood Enterprise.

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ORANGEVILLE
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BANK OF HAMILTON CEMENT WILL BOOM!

HEAD OFFICE, Hamilton.

Capital Paid Up, \$2,220,000.00

Reserve Fund, \$2,000,000.00

Total Assets, \$24,713,613.07

J. TURNBULL, Gen. Manager

U. M. WATSON, Inspector

DIRECTORS.

HON. WM. GIBSON, President

JAMES TURNBULL, Vice President

JOHN MCROBERT, GEO. ROACH

JOHN S. HENDRY, W. A. GEORGE

RUTHVEN, J. B. LEE, (Toronto)

Orangeville Agency.

A General Banking Business transacted. Farmers' Notes Discounted and advances made on security of Farmers' Sale Notes. Drafts on all parts of Canada, the United States, Great Britain and the Continent of Europe bought and sold. Collections made on all accounts payable on most favorable terms.

SAVINGS DEPARTMENT.

Deposits received of \$1 and upwards, and interest allowed thereon.

The attention of depositors is called to the security offered by this Bank, the Reserve Fund now amounting to 85 per cent. of the Paid up Capital.

L. M. MCCARTHY, AGENT.

The Sun

IS SOLD FOR ALL.

ORANGEVILLE, JULY 7, 1904.

ORANGEVILLE'S NEW INDUSTRY IS MAKING COMPLETION.

Heavy Machinery Has Arrived for the Works—Shares are Being Crashed by Outside Investors.

Orangeville's big industry, the Superior Portland Cement Co.'s works, is rapidly approaching completion and a visit to the site near the C. P. R. depot is well worth making. Ever since spring opened Contractor McCarty has had large gangs of men working on the buildings and nearly all of them are just about completed.

THEY ARE EXTENSIVE.

All the buildings are of stone, which has been secured at Joseph Ogden's quarries. It is the best building stone in America and the structure presents the appearance of immense forts that will stand the siege of the elements for centuries. The main building is 200 x 80 feet, the power house 105 x 45 feet, coal house 105 x 45 feet and the store house, which is under construction, is 100 x 60 feet and will hold about 10,000 barrels of the finished product. The roofing is of corrugated iron and the works will be the most complete in North America. Every arrangement and contrivance that tends to reduce the cost of production have been adopted and the Superior Portland Cement Co. will be in a position to manufacture cement of all grades, from the best to the cheapest, at a less cost than any other cement industry in Canada. The railway to the north end of Caledon lake will soon be completed and it is hoped the first cement will be turned out before the year closes.

MACHINERY IS ARRIVING.

Few people have any accurate idea of the massive machinery that is required to manufacture cement. Three carloads of the plant arrived last week and hundreds of people have viewed it. The machinery weighs 120 tons, or 10 tons to the car. It is well constructed and embraces the very latest ideas in cement machinery. The remainder of the plant will be brought here as soon as possible and no time will be lost in placing it in position. An expert arrived from New York on Tuesday evening and will at once proceed to install the machinery.

STOCK SELLING WELL.

That shrewd investors have every confidence in the success of the Superior Portland Cement Co. is shown by the eagerness with which the stock of the company is being purchased by the people. One thing is to be regretted, however, and that is that outsiders are securing the great bulk of the stock. It is to the interest of the town that citizens of Orangeville should secure a reasonable number of shares in order to have a voting power in the company and a say in the management of the industry. Two of our fellow-townsmen, D. D. Brown and George McLachlan, and W. H. Hunter of the The Maples are large shareholders in the concern. Mr. Brown is general manager, Mr. McLachlan is secretary-treasurer and Mr. Hunter is a director of the company. It is very much to our welfare to have these gentlemen occupying these positions, for they are all financially interested in the progress of the town and we would be certain of receiving every advantage that the establishment of such an important industry should give us. Therefore, it would be a wise move on the part of local capitalists to look carefully into the Superior Portland Cement Co.'s prospectus with a view to investing in a few shares. The promoters are confident of being able to make large dividends for the shareholders and it certainly looks as if they know what they are talking about.

We would advise Mayor Green and the members of the council to do away with referring accounts to committees "with power to pay if found correct." So far as we know not one account thus referred has ever been heard of again in the council. When J. J. Lindsey was mayor the system was entirely cut out and every account was either paid at the time or the committee concerned investigated and reported to the council. The "with power to pay if found correct" system generally leads to "padding" and for the good of taxpayers it should be abolished. Besides no person would suffer and greater pains would be taken to have accounts correct before presenting them to the council.

So far the Liberals of Dufferin have not given any indication of placing candidates in the field in this county, but a prominent critic told The Sun recently that neither elections would be allowed to go by default. Of course it is a hopeless task for a Grit to get into parliament via Dufferin and only a miracle could bring such a thing about. As miracles are not common in these

July 7 1904
Orangeville.

DEPOT DOTS.

Over 700 tickets were sold at the Orangeville station for Toronto during the exhibition.

The cement works now present a fine appearance and the installation of the heavy machinery is going along satisfactorily. The storehouse is well under way and it will be completed before the snow flies.

A young son of Thomas Marshall appeared before Cadi Pattullo on Tuesday. He was charged with stealing some tobacco and cigars to the value of \$1.20 from Mrs. Jordan's store. The case was adjourned until next Tuesday.

The C. P. R. employees have organized a football club and are busy practicing in order to meet all comers. The boys are strong, husky fellows and other local teams should be prepared for a hard argument when a series of games is arranged.

Thomas Scotland has been promoted to the foremanship of the Caledon section and commenced his new duties this week. The family will shortly remove to Charleston. Wm. Hagan, who was at Charleston for several years, has been removed to Woodbridge.

An ad in The Sun is worth a lump of gold.

September 14, 1904
Orangeville Sun.

THE SUN, ORANGEVILLE, ONT., July 11, 1907.

DEPOT DOGS.

Freight traffic is booming now and many trains pass through at all hours during the day and night.

The finishing touches are being put on the Superior Portland Cement Co's plant and the wheels will be turning before long.

Sam Dodds reports that the gates of the cattle pens are too high and the cattle-shippers have a hard time keeping their hogs within the enclosure.

Messrs. Robert G. Cornelius and James Cook have just completed painting the big 150 foot chimney at the works of the Superior Portland Cement Co. Mr. Cornelius, who has been employed by the Webber Steel Concrete Co. of Chicago, which concern had the contract of building the chimney, has had a flattering offer to go to West Virginia in the interests of the company.

July 11, 1907

FIRE FIXES IT!

O. P. R. STATION DESTROYED EARLY
THIS MORNING.

This town will surely get that much
needed New Depot Now—Caught
From a spark.

At 12.30 o'clock this morning the
O. P. R. station caught fire and two
hours later it was a complete wreck.
Night Operator Ben Tinsley, Jr., dis-
covered the roof of the building to be
flaming and he first carried out the books
and then gave the alarm. A spark from
a passing train is thought to have been
the cause of the fire.

IT BURNED VIOLENTLY.

The building was frame and as there
was a strong wind blowing it did not
take the fire long to spread. In the
meantime a number of employees had
arrived and they fought the fire with
pails until the firemen reached the scene.
The latter did excellent work and suc-
ceeded in saving the freight shed and
baggage-room a few feet away, but the
station building was almost burned
down with nearly all the contents.

NEW STATION NEEDED.

For a number of years the O. P. R.
authorities have always been going to
build a new station here, but it always
shoved over until next year. Plans
have prepared for the erection of a new
depot this summer, but we understand
the same policy of "let it stand" was
to be again pursued. The fire, however,
has solved the problem. It is admitted
by the O. P. R. people that Orangeville
should have a fine station. This is the
most important and best paying point
on the two lines and we trust the O. P.
R. will now make good.

ANY OLD PICTURES?

Early scenes of Orangeville are being
collected.

George E. Brown of this town is
engaged in a work that should have the
support of all those who have any
interest whatever near or remote in
Orangeville. Mr. Brown has for some
time been securing photos relating to
this town ever since the first picture
was taken. Up to the present, he has
been fortunate in getting many valuable
scenes of the town and he is still busi-
ness as usual. There are many
people both in town and other places
who have pictures of this burg and it is
the desire of Mr. Brown to secure as
complete a collection as possible.

HAVE YOU ONE?

If any of our readers have such
photos we would be pleased if they
would communicate with Mr. Brown
and describe the pictures they possess,
the year when taken, scene, etc. If
any person will loan such a photo it
will be well taken care of and promptly
returned after a copy has been taken,
or if it is not desired to loan the photo,
a copy of it might be sent to the collec-
tor. Mr. Brown is incurring no little
expense in trying to secure a collection
of photos of this town that in a few
years would be impossible to obtain. In
fact such a move should have been
made years ago, as many valuable
pictures have in the meantime been
destroyed, and it is now impossible to
replace them. As it is purely a labor
of love and as there is no money in it
for anybody, in fact it is costing the
collector considerable in time and coin.
This Sun sincerely trusts that every
one who has a soft spot in their hearts
for Orangeville will help this good work
on. All correspondence should be ad-
dressed to George E. Brown, box 108,
Orangeville, Ont., or to THE SUN.

Orangeville Station Fire

MAY 3, 1906



IT SHINES FOR ALL!

Sun.

EVILLE, ONTARIO, THURSDAY, NOVEMBER 25, 1909.

No. 46

CEMENT MEN MAKE MERRY

Employees' Banquet Was a
Great Affair With Songs
and Speeches

Last night the dining-room of the Queen's hotel presented an animated appearance. It was the occasion of the first annual banquet of the employees of the Superior Portland Cement Co. and it was without doubt one of the nicest affairs of the kind that has taken place in town for some time. The place was beautifully decorated and the room was taxed to its utmost capacity. About seventy of the employees and twenty guests were present.

The spread was most elaborate and reflected great credit on the hostess. Prof. Laugher's orchestra furnished music during the evening.

After every person had liberally sampled all the good things President Wilson called the gathering to order and a long toast list was tackled. The chairman made an excellent address and the speeches that followed, like Superior cement, were of a high order. We regret that time prevents us from giving an extended report of them. The speakers were: Hon. J. H. Mathieson, C. R. McKeown, M. P. P., Mayor McKittrick, Reeve Riddell, Messrs. Jos. Pattullo, D. B. Brown, Geo. McIntyre, A. Vaughan, W. G. Hyland, John Foley, V. A. Statia, W. N. Irwin, Peter Edwards, J. W. Hawley and Alfred Sanson.

The topical song by S. R. Frost, assisted by the Stock House quartette, brought down the house and songs by Ed. Hughes and W. Houghton were very much enjoyed. John Storey's original recitation on cement events created much merriment and the happy gathering broke up at 12:30 this morning.

It certainly was great and the committee, Messrs. Robert Pattullo, T. M. Irwin and A. L. Riddell, secretary, are to be congratulated on the great success of the event.

WHO IS THE MAN FOR DUFFERIN?

Here Are a Few Who Would Gladly
Make the Sacrifice—More to
Follow

Candidates in this county for the position of M. P. for Dufferin are as numerous as the icicles on the trees. Many are after the job and when the Tory convention assembles at Shelburne on Dec. 10 it is expected that perhaps a score of names will go before the delegates. The news of Dr. Barr's death had scarcely been received in Dufferin until people were talking about who would be his successor.

AN EVEN DASH.

Many names are mentioned by the people at large and some ambitious aspirants are booming their own candidatures with a vim that should bring success.

The first name mentioned in connection with the matter was C. R. McKeown, M. P. P., but unless the bugle blows unusually loud Mr. McKeown will hang on to what he has. He is an ardent admirer of that famous picture, "What We Have We'll Have."

W. H. Hunter of The Maples, an old warhorse of the party, is adverse to accepting the nomination, but his friends think he should fill out the remainder of the late member's term.

J. R. Gillespie of this town, who opposed Dr. Barr at the convention last year, is out red-hot after the nomination and is hustling to get it. He is quite a fluent speaker and thinks a young man should have a chance to show what he can do at Ottawa as a private in King Edward's loyal opposition.

George McIntyre, treasurer and manager of the Superior Portland Cement Co., is quite diplomatic and is being boomed for the position. Many think he would be just the man to get working on the job. When spoken to at the cement employees

S FOR ALL

THURSDAY, JUNE 13, 1912.

CEMENT COMPANIES SORE ON BORDEN GOVERNMENT

Reduction In Duty May Be Means of Plants Closing Down Indefinitely

The Dominion government has cut the cement duty in two in order to relieve the situation in the west. The cut, which is 26 cents per barrel, will remain in force until October 31st.

MAY CLOSE DOWN.

Just what effect the reduction in the duty will have on the Canadian cement factories is hard to say. George McIntyre, managing-director of the Orangeville Superior Portland Cement Co., thinks it will mean the closing down of many Canadian plants, including the local works. A meeting of the cement men is being held at Toronto and the matter is being discussed. One thing is certain and that is that the cement people are highly incensed at the action of the government.

MAN BURNED TO DEATH

GORE

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Coming—Paul Thompson
 Guts & Bones—Lam 1913
 Good Bread—Perry Place
 Winter Cold—Scott's Remedy
 Queen Lily Flour—W. J. Curry
 Night School—Orangeville B. College
 Sale of Furniture—Jas. A. Patterson
 Fall Millinery Opening—Marshall
 Green & Co.
 Situations Secured—Northern Busi-
 ness College

Local Intelligence

SOME CROP

R. B. Coulter, who resides near Cataract, sold his crop of clover to M. Robinson of this town and received \$800 or about \$67 per acre.

NEW BOILER

A new boiler for the auxiliary steam pumps at the fire hall will soon arrive and be installed. It is a 60 horsepower, up-to-date boiler and costs \$650.

CLOSED-DOWN

The Superior Portland Cement Co.'s plant closed down for the season on Thursday and all is quiet at the works. The bins in the storehouse are filled. But quite a lot of cement is being shipped.

TRY IT NOW

We have just received a new lot of choice, pure white, butter paper the kind that prints well. If you have never tried selling your butter in printed wrappers now is the time to make the experiment. It will be a paying one. Leave your order with your name and address and see how much more attractive your butter looks when ready for market.

FURTHER PRESENTATIONS

The young ladies Bible Class of St. James Church, Hespeler, paid their teacher, Mrs. Tebbs, a surprise visit last Thursday and presented her with a beautiful Wicker Chair as a parting gift. On Monday afternoon the town Mothers Meeting also presented her with a beautifully bound Prayer and Hymn Book as a little token of their appreciation of their beloved leader.—Hespeler Herald.

BAD ACCIDENT

Last Friday Engineer King met with a very painful accident. He was making a line on a sidewalk where a water-main was to go in, when a small particle of cement flew up and struck him in the eye. On Monday the eye was so painful that it was necessary for him to go to Toronto where he was operated on by that eminent oculist, Dr. Mortimer Lyon. In a few days it will be as good as ever.

CALLED HOME

PASSED-AWAY

At a late hour Wednesday night of last week an old resident of this town passed away in the person of Thomas Hall. The late Mr. Hall was 80 years of age and had been a resident of Orangeville for about 22 years. Until a number of years ago he was an unusually strong and healthy man, but since that time he had been gradually declining in health. Deceased was born near Hornby and in 1865 was married to Miss Mary Walker of Caledon near Mono Mills. They resided on the 2nd line of Caledon for some time, later moving to Mono and then back to Caledon where they resided for some years before coming to this town. Mrs. Hall died about 16 years ago. The late Mr. Hall was well known and highly respected and his many friends will regret to hear of his death. For the past three years Mr. Hall resided with his daughter Mrs. J. Taylor, who gave him every care and attention that a loving daughter could. Besides Mrs. Taylor two sons, Thomas S. and William J. of Preston are left to mourn his death. Mrs. J. Hillock of Caledon, Mrs. J. Duncan, Mrs. D. Brown and Miss Martha Hall of Toronto are sisters. The funeral took place to the Forest Lawn cemetery on Friday afternoon. Rev. W. M. Morris conducted religious services and the pallbearers were Messrs. Thomas Wright, Thomas Arnott, Robert Watson, John Anderson, John McKim and Marshall Green. The bereaved ones have our most sincere sympathy.

MULMUR

PERSONAL—Mr. Cleace Irwin spent Sunday at Mr. R. J. Peacocks. Miss Lucy Irwin spent a few days last week with her aunt Mrs. Moore at Collingwood. Miss Winnifred McNabb of Toronto spent Sunday at her home here.

FIRE—On Monday morning a barn owned by Mr. Thos. Little of Toronto and rented by Mr. Jack Char was burned to the ground. It is a heavy loss, as the barn contained the season's crop and was only insured for \$1000. How the fire started is a mystery.

Superior
Cement
October 8, 1913

October

SUIT OVER WESTERN LANDS

Menary Wants Damages From White for Misrepresentation—C. P. R. Settles Suit With Hawkins For \$750

The Fall Assizes for the County of... opened here to-day before his... Mr. Justice Britton. There... no criminal business it was the... duty of the newly appointed... Endacott to present the tradi-... white gloves. The civil docket... but two cases, the first be-... brought by Wm. Hawkins of... County against the C. P. R. defendant company settled by... \$750 damages.

A LAND DEAL.

After the jury had been dismissed... action brought by Lewis Menary... Grand Valley against J. J. White... this town for damages over a... land deal. It appears White... Menary a large block of land and... plaintiff claims the property was... misrepresented. A large number of... cases are being examined on each... and the case was not concluded... the time of our going to press.

GRAND VALLEY

LOST HIS HAND—Benjamin a... of Oscar Crewson of Colbeck dis-... about sixteen years of age lost... fingers of his right hand in a... circular saw on Saturday night... saw was attached to a threshing... and in some way the young... hand came in contact with the... cutting off all the fingers except... of the index finger and the... thumb. The accident itself is a se-... one placing a severe handicap... the lad for life.—Grand Valley

BAZAAR—A Christmas bazaar un-... the auspices of Grand Valley... each Women's Institute will be held... Carnegie Hall on Friday and Satur-... December 5th and 6th. The... are paying particular attention... suitable Xmas gifts.

PLUGHING CONTEST —An at-... pt is to be made to revive the... ploughing matches, and as the Provin-... Government is going to get be-... the scheme the indications are... promising for success.

Time was when the annual fall... ploughing match was an incident that... fired rural masculine life for weeks... it came off. The best teams of... the district were secured and the con-... stants for days thought of little... When the appointed day came... found a big crowd assembled from... far and far, all interested to see... of the champions would get a... place.

The result of these contests was re-... on the farms of the whole com-... munity. Farmers vied with one an-... in their plowing. Mr. Jones... not the man to allow it to be... that his neighbor, Mr. Brown... the best plowed land and the neat...

CEMENT COMPANY GOES BUST

Big Concern Failed To Weather The Storm and Goes Into Liquidation—Will Probably Be Reorganized

Following the seizure of the plant... for a debt of \$400. The Superior Port-... land Cement Co., of this town made... an assignment for the benefit of its... creditors on Friday. Jos Pattullo of... this town and the Union Trust Co.,... of Toronto are the assignees. The... company is capitalized at \$600,000... and has been in actual operation for... five or six years.

RUN IN HARD LUCK

The cement turned out by the Su-... perior Portland Cement Co., is said... to be the best on the continent, but... the company has run in hard luck... from one cause or another and the... shareholders have never received a... dividend. This was an unusually bad... year and a succession of breakdowns... retarded the work of manufacture and... in September a fire broke out in the... building and did considerable damage. The company is indebted to Eng-... lish bondholders to the amount of... \$100,000 and the other liabilities may... reach around \$75,000.

The company will in all likelihood... be wound up and the plant sold to... the highest bidder. A few weeks ago... the shareholders appointed a commit-... tee to provide ways and means to get... the company back on its feet again... but the latest development will prob-... ably render the work of the commit-... tee useless. Whether the shareholders... will realize anything on their invest-... ment remains to be seen.

As the cement company is our larg-... est industry it is a vital question... with the town that it should continue... in business and we trust a satisfac-... tory solution of the present difficulty... may be arrived at in as speedy man-... ner as possible.

WILL BE WOUND UP

An order for the wind-up of the... Superior Portland Cement Co has... been granted by Mr. Justice Latch-... ford with the Union Trust Co. as... provisional liquidator and Geo. Kap-... pelic K. C., as referee.

The petitioner, John L. McIntyre... of Guelph is a creditor for \$29,280.

The statement of assets and liabili-... ties give parallel totals of \$607,826.

The company was incorporated on... September 17th, 1902. The capital... stock is \$500,000, divided into 50,000... shares of \$10 each, 4,000 shares of... which are said to be subscribed... and paid up.

The directors are William D. Wilson... Dr. J. H. Matheson, T. A. McClure... C. B. Dunke, and George McIntyre.

Shareholders in Toronto are: K. J. Pollett, Edward Morgan, B. L. Mc-... Kenzie, M. A. Stouffer and W. D. Wil-... son.

The petitioner says that the manag-... ing-director has admitted the com-... pany's inability to pay its liabilities... and that the company's has assigned... and he wants the affairs investigated... to find out how the insolvency has... been brought about, and as to the... claims of the creditors.

Superior
Cement
Goes Bust

Orangeville
Sun

November 8
1913

COUGH
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SUITING
HARDWARE

OTHER
VILLE " OVI

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US A SAMPLE
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best Markets in
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for your SEED
APPLICATION

& SON
PHONE 113

Metropolitan Fruit
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m. Merlina
Phone 121

SALE and retail dealer in
of Imported and Domestic
and Nuts.

ANGES LEMONS,
ished at close prices.
NAS. GRAPEFRUIT

na's Fruit Store.

BREAD

BROS. STANDARD is high-... y in all goods. How much... le you are for your work if... length is daily augmented by... of Good Wholesome Bread... article of food you purchase... you will find the quality we... it. Our Bread, Buns, Cakes... etc. are always pure and... e and suit the taste, as evi-... the ever increasing demand... A large variety daily from... choose.

ne may be said of our fruit... tionary Goods fresh and

ICE CREAM

mply impossible to improve... Dairy Ice Cream. It is made

SELLING CEMENT PLANT.

Town Treasurer John Norris is advertising the plant and property of the Superior Portland Cement Co. for sale in order to secure unpaid taxes to the amount of \$8775.17. Unless this sum is put up by the liquidator or the bondholders the property will go under the hammer on Monday, June 4th. The plant has not turned a wheel for three or four years, the original company having gone on the rocks. A year ago a company took an option on the property and intended manufacturing potash, which is now being done at the Durham cement plant, but the deal fell through. The council and the people of Orangeville would much rather see this valuable property running full blast and this move on the part of the council to dispose of the property for taxes may have the effect of making the bondholders, the majority of whom reside in England, to get busy and do something with the property.

Orangeville
Sun.

JUNE 8, 1917



ONTARIO
DEPARTMENT OF MINES

MARL IN ONTARIO

By
G. R. GUILLET

INDUSTRIAL MINERAL REPORT 28

1969

Ostracods (Ostracoda)

Ostracods are small lentil-shaped molluscs consisting of two valves hinged at the back like clams. They average about 1 millimetre in length. Ostracod shells are present in some deposits, and may go undetected in many others.

USES FOR MARL

Although marl has found little application in competition with other sources of calcium carbonate, it did enjoy a considerable market in portland cement manufacture, and were it economic, it could again substitute for many limestone uses. A useful reference to these uses will be found in The Limestone Industries of Ontario (D.F. Hewitt, 1960, p.14-16). For detailed information on most potential marl uses, the reader is referred to the AIME volume Industrial Minerals and Rocks (3rd edition, 1960), specifically chapters 8 - Carbonate Rocks, 9 - Cement Materials, 10 - Chalk and Whiting, 23 - Lime, 28 - Mineral Fillers, 29 - Mineral Pigments, and 42 - Secondary Fertilizer Minerals.

Portland Cement

The history of marl production in Ontario is almost entirely related to its use in cement during the period 1889-1919 (see Table 1). Marl was the first source of lime to be used in Ontario's expanding portland cement industry. By 1907 portland cement had completely replaced natural hydraulic cement made from "cement rock" (A.M. Blair 1965, p.213). In that year 13 plants (see Figure 1) were producing cement from marl in southern Ontario. But the change from marl to limestone had already begun, with production from a new plant in Belleville in 1905, and by 1919 the use of marl had ceased in favour of limestone. A few of the marl plants were converted, but most were abandoned. Even before it had reached its peak, the decline of marl had been foreseen. The annual report of the Ontario Bureau of Mines for 1903 (T.W. Gibson 1903, p.33) stated:

"Hitherto all the Portland cement produced in Ontario has been made with shell marl as the ingredient supplying the necessary carbonate of lime. It is contended by some that

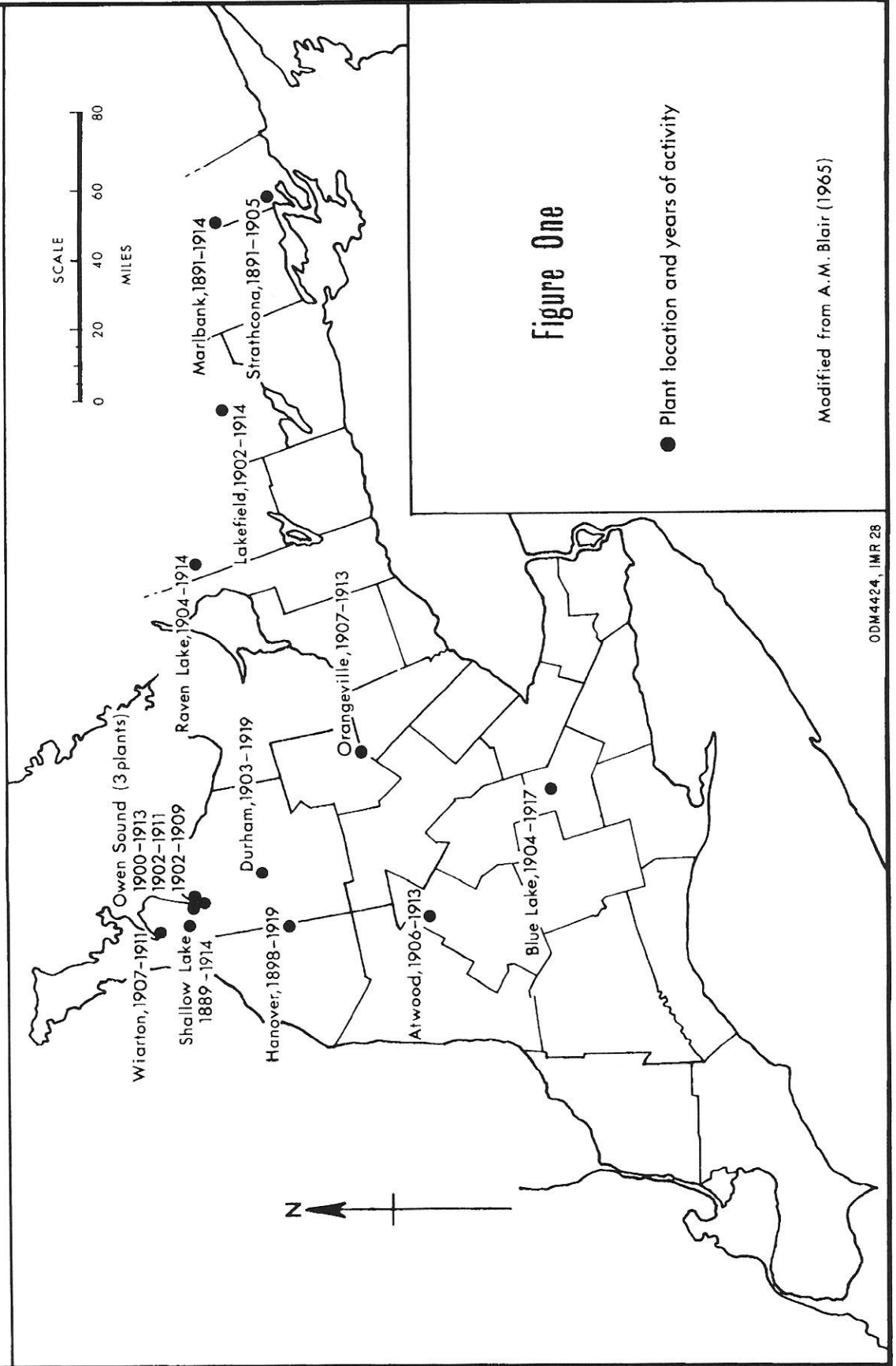
Table 1. Ontario Cement Producers Using Marl, 1889-1919

County	Marl Deposit	Company	Plant Location	Years of Activity
Brant	Blue Lake	Ontario Portland Cement Co.	Blue Lake	1904-1917
Bruce	Marl Lakes	Hanover Portland Cement Co.	Hanover	1898-1919
Grey	McNab Lake	The Sun Portland Cement Co.	Owen Sound	1902-1911
Grey	Shallow Lake	North American Chemical Mining, and Manufacturing Co. Owen Sound Portland Cement Co. Canada Cement Co. Ltd.	Shallow Lake	1889-1892 1892-1909 1909-1914
Grey	Shallow Lake marsh	Grey and Bruce Portland Cement Co.	Brookholm (Owen Sound)	1902-1909
Grey	Wiarton marsh	Colonial Portland Cement Co. Crown Portland Cement Co.	Wiarton	1907-1908 1909-1911
Grey	Wilder Lake	National Portland Cement Co.	Durham	1903-1919
Grey	Williams Lake	Georgian Bay Portland Cement Co. Ltd. Imperial Cement Co.	Owen Sound	1900-1901 1901-1913
Hastings	Dry Lake	English Portland Cement Co. Beaver Cement Co. Canadian Portland Cement Co. Canada Cement Co. Ltd.	Marlbank	1891-1898* 1898-1900 1900-1909 1909-1914
Hastings	Dry Lake	Rathburn and Co. Canadian Portland Cement Co.	Strathcona	1891-1900 1900-1905**
Peel	Orangeville beds	Superior Portland Cement Co.	Orangeville	1907-1913
Perth	Atwood marsh	Western Ontario Portland Cement Co. Maple Leaf Portland Cement Co.	Atwood	1906-1909 1909-1913
Peterborough	Buckley Lake	Lakefield Portland Cement Co. Canada Cement Co. Ltd.	Lakefield	1902-1909 1909-1914
Victoria	Raven Lake	Raven Lake Portland Cement Co. Kirkfield Portland Cement Co.	Raven Lake	1904-1908 1909-1914

* Plant inactive 1895-1898.

** Used clinker only from the Marlbank plant, 1904-1905.

Ontario Cement Plants Using Marl, 1889 - 1919



lump form so that it can be burned in commercial lime kilns. The burning of limestone (essentially CaCO_3) produces lime (CaO) through the expulsion of carbon dioxide (CO_2) gas. Numerous applications for the white lime product are found particularly in the chemical and construction industries. Commercial lime kilns are of two main types: Vertical stack kilns requiring limestone in lumps 3-9 inches; rotary kilns requiring $\frac{1}{4}$ - $\frac{1}{2}$ inch limestone. Finer sizes are lost with the stack gases (D.F. Hewitt 1960, p.6).

Although the economics are doubtful to-day, it was apparently common practice a century ago to burn marl briquettes into lime. In his Geology of Canada, W.E. Logan (1863, p.763) says:

"When calcined, marl yields a nearly pure and very white lime, well adapted for mortar and for other uses. In many parts of Vermont large quantities of lime are thus manufactured. The marl is moulded into shapes like bricks, which are dried and burned in a kiln."

HISTORY OF MARL PRODUCTION

The history of marl production in Ontario started with its use in portland cement in 1889. No doubt there was minor local use before this date for burned lime (marl briquettes), as was common in parts of northeastern U.S.A., and for land fertilizer, but these went unrecorded. For some years marl was the only source of lime used for portland cement in Ontario, and 14 plants were active (see Figure 1 and Table 1). But by 1919, limestone had completely replaced marl in the cement industry, and only small short-lived marl operations have since been recorded.

Marl from a deposit near Kilbride in Halton county was being used in 1921 in the manufacture of concrete sewer pipe and culvert tile by W.O. Morse.

Since the decline of its use in cement, the most elaborate attempt at production was by White Valley Chemicals Limited in 1939-40. A small plant to produce filler grades was built at the deposit north of Bobcaygeon in Peterborough county, but sales of only 900 tons are recorded.

During the war years when English chalk was difficult to

Burford Lake marl is of fair quality. A 7½-foot section analysed 84.0 percent CaCO₃, 3.5 percent MgCO₃, 0.24 percent Fe₂O₃, and 2.20 percent insoluble. The dry powder is pale grey with a moderate brightness, and oil absorption is moderate. The natural particle size is 84.5 percent finer than 325 mesh, 63 percent finer than 10 micron. Moisture content of the crude marl is 60.2 percent; 660 pounds of dry marl are contained in one cubic yard of the crude.

A section measured at the centre of the small south bay is reproduced as Section 2. Detailed analytical results for sample M48 are given in the Appendix.

Section 2	Burford Lake
Depth below water (feet)	Description Sample No.
0 - 3	Water.
3 - 10½	Marl: Cream-grey; moderately dense; shells fairly common; organic matter scarce.
10½ +	Bedrock: Dolomite.

(3) Pearl Lake, Brant Township

Pearl Lake lies in lot 32, concessions VI and VII, Brant township, Bruce county. It is accessible by secondary roads, 4 miles north of Hanover. Numerous cottages are located along the east and northwest shores. The C.N. Railway parallels the main road north from Hanover ½-mile east of the lake.

Pearl Lake occupies an area of 25 acres. It is a deep narrow lake with sandy or gravelly shores. Only in the shore-fringe at the south end does marl underlie the lake at a shallow depth. Two small ponds to the west, and neighbouring Dankert Lake to the east, are probably also underlain by marl.

Both gastropod and pelecypod shells occur in moderate amount, and remains of the alga Chara are present. The content of fibrous organic material is moderately high. Bedrock in the area is shaly dolomite of the Salina Formation.

The marl of Pearl Lake is only of fair quality. A 19-foot section analysed 83.5 percent CaCO₃, 3.0 percent MgCO₃,

0.13 percent Fe_2O_3 , and 0.96 percent insoluble. Colour of the dry powder is dark buff with a low brightness. Oil absorption is moderately high. The crude marl is 69.4 percent water; 510 pounds of dry marl could be extracted from one cubic yard of the crude.

The marl was tested at the edge of the shallow fringe at the south end of the lake, 50 feet offshore from the juncture of a small creek connecting the lake to a small pond to the west. Sampling became difficult at depth, but the sampler was still in marl at 22 feet. It is described in Section 3. Detailed analytical results for sample M22 are given in the Appendix.

Section 3		Pearl Lake	
Depth below water (feet)		Description	Sample No.
0 - 3	Water.		
3 - 22+	Marl:	Buff to pale brown; moderately soft; Moderate content of organic material.	M22

(4) Marl Lakes, Brant Township

The Marl Lakes occupy part of lots 68-71, concession III N, and lot 32, concession IV, Brant township, Bruce county. They are located $1\frac{1}{2}$ miles north of Hanover, and are readily accessible by road. The lakes are now extensively developed for cottages and can no longer be considered as sources of marl.

The Hanover Portland Cement Company commenced production in 1898 using marl dredged from these lakes. Dredging continued until World War I when the plant was converted to limestone. The plant, located on the Saugeen River at Hanover, is described by Gibson (1903, p.31) and Gillespie (1905, p.142-144).

The marl is also described by Gillespie (1905, p.143 and 183) who reports that the deposit comprised 150 acres of a depth of 16 feet. A sample analysed by the Provincial Assayer, A.G. Burrows, gave:

	<u>Percent</u>
CaCO ₃	92.00
MgCO ₃	4.74
SiO ₂	0.58
Fe ₂ O ₃	0.57
SO ₃	0.52
Ignition loss	1.66

(5) Walkerton, Brant Township

W.E. Logan (1863, p.764) mentions a small deposit 2 miles west of Walkerton in lot 6, concession I N, Brant township, Bruce county. He reports that "... marl occurs in a peaty meadow, beneath a foot of soil. It is two feet in thickness, and extends over seven acres."

(6) Hanover, Brant Township

On the southwest side of Hanover, in lot 70, concession I S, Brant township, Bruce county, W.E. Logan (1863, p.764) refers to marl "... in the banks of a little stream, near its junction with the Saugeen, and has in some places a thickness of three feet."

(7) Carlsruhe, Carrick Township

A small occurrence 4 miles southwest of Hanover, and about one mile west of Carlsruhe, in lot 25, concession XV, Carrick township, Bruce county, is described by W.E. Logan (1863, p.764). The deposit "... covers about six acres, and was found to have a depth of twenty-seven inches. It is very pure and white, and is covered with a thin layer of black mould, forming the soil of a meadow. Other deposits, estimated at forty acres in all, occur in the immediate neighbourhood."

CARLETON COUNTY

(8) MacKay Lake, Gloucester Township

A small deposit in the Eastview suburb of Ottawa is mentioned by G.C. Hoffmann (1894, p.23-24). The marl is said to underlie the east side of MacKay Lake in lots 1 and 2, Junction Gore of the township of Gloucester, Carleton county. The marl is 5 feet thick, yellowish-white in colour, and contains numerous shells and root fibres. It gave on analysis:

	<u>Percent</u>	
CaO	52.24	(equivalent to 93.29 percent
MgO	0.13	CaCO ₃)
Fe ₂ O ₃	0.09	
CO ₂	41.16	
Insoluble	1.08	
Ignition loss	4.90	

DUFFERIN COUNTY

(9) Orangeville, East Garafraxa Township

The Orangeville marl beds in Caledon township, Peel county, extend into lot 1, concession B, East Garafraxa township, Dufferin county. R.W. Ellis (1902, p.63) describes this portion of the deposit as "... extending over at least 20 acres with a depth of six feet." The deposit is further described on pages 85-87 of this report.

FRONTENAC COUNTY

(10) Ardoch (Green) Lake, Clarendon Township

W.E. Logan (1863, p.765) mentions an occurrence of marl on lot 23, concession I, Clarendon township, Frontenac county. The deposit underlies the waters of Green Lake, near Ardoch,

15 miles northwest of Sharbot Lake.

(11) Judge Occurrence, Hinchinbrooke Township

W.D. Harding (1947, p.73) gives the following description:

"In 1942 a deposit of marl was discovered in a thickly wooded depression about 12 chains east of No. 38 highway, near the north boundary of lot 6, concession II, Hinchinbrooke township, on the farm of Richard Judge.

The marl was found when digging post-holes for a fence. The deposit lies beneath about 2 feet of black soil. The marl is known to extend in a north-south direction for at least 150 feet. The true size of the deposit, however, and the tonnage of marl available are unknown.

A sample of marl taken by the writer from this location at a depth of about $2\frac{1}{2}$ feet was analysed by the Provincial Assayer with the following results:-

	Per cent.
Insoluble in HCl	0.90
Iron and alumina16
Lime (CaO)	50.86
Magnesia (MgO)	1.20
Loss on ignition	<u>46.29</u>
Total	99.41 "

(12) Knowlton Lake, Loughborough Township

Knowlton Lake is located in lot 1 in concession VII, lots 1 and 2 in concession VIII, and lots 2 and 3 in concession IX, Loughborough township, Frontenac county. It lies 4 miles north of Sydenham, and about 20 miles north of Kingston. Access to the lakeshore is possible only by a private farm lane midway along the west shore.

The marl of Knowlton Lake occurs in distinct shoals along the west shore. Near the mid-point a continuous marl

PEEL COUNTY

(66) Orangeville, Caledon Township

Marl underlies low ground west of Caledon Lake in part of lots 31, concessions IV and V, Caledon township, Peel county. The deposit extends also into lot 1, concession B, East Garafraxa township, Dufferin county. The marl beds are 3 miles southwest of Orangeville, and are accessible by the boundary road across the northwest corner of the township.

Marl was dredged by the Superior Portland Cement Company from 1907 to 1913. A railway, now abandoned, connected the plant at Orangeville with the marl workings. A description of the plant during its construction is given by Gillespie (1905, p.160-162).

The marl deposit is not extensive, and it may have been largely depleted during the years it was worked. The workings occupy an area of 35 acres and a summer cottage community has been developed on the dredged canals. Marl does not underlie "Second Lake" to the east, but the beach on the east shore of Caledon Lake is composed of impure shell marl. The marl area is rather heavily wooded.

A wide variety of shells characterize the Orangeville marl; species of gastropod, pelecypod, ostracod, and Chara debris occur in moderate amount. Fibrous organic matter is not abundant. Silurian dolomite of the Amabel Formation is the bedrock in the area.

Orangeville marl is of fair quality. A 2-foot section averaged 90.3 percent CaCO_3 , 3.3 percent MgCO_3 , 0.49 percent Fe_2O_3 , and 0.82 percent insoluble. The dry powder is buff-cream in colour with a relatively good brightness. Oil absorption is moderate. Natural grain size averages 81 percent finer than 325 mesh, 33 percent finer than 10 micron. The crude marl is 53.6 percent water; 770 pounds of dry marl are contained in one cubic yard of the crude.

A section sampled south of the creek, along the south side of the marl workings is described in Section 31. Complete analytical results for sample M54 are given in the Appendix. A thicker section of undisturbed marl was not located, but T.W. Gibson (1901, p.16) reported an average of 13 feet. He also gives three analyses for the marl.

Courtesy Ontario Dept. Lands and Forests



1 inch = $\frac{1}{4}$ mile; north is to the top.

Photo 9 - Orangeville marl beds; Caledon Tp., Peel Co.
Marl was dredged by the Superior Portland Cement Co., 1907-1913. There is no marl in the adjoining lakes.

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