

Old Kilns at Limehouse Arouse Interest in Lime-Making Method

An article of particular interest in this area was published in the January issue of the Toronto Bruce Trail Club's newsletter. Titled "Things to See On and Around the Trail", it was written by Jim and Olive Byers. The article follows:

Perhaps as you have been making your way towards a section of the trail in the Georgetown area, you have passed through the quiet little village of Limehouse, now a small rural community of about 250 people. You may have noticed the village store, the little church and the new school situated at the west end of the village.

But did you know that at one time this was a thriving community, providing work for hundreds of hard working settlers? Around the middle of the last century, the Grand Trunk (CNR) Line was pushed through and within a

short time, the village had three hotels, three stores, two quarries, several big mills (wool, paint, lime grinding etc.) plus the lime industry from which the settlement derives its name.

Homes Improved

The first use settlers had for lime was in the rough and quickly constructed chimneys in their wooden homes. As conditions improved, so did the homes. Mortar and plaster became valued commodities much in demand. The industry grew at a fast rate and two types of lime kilns were in use.

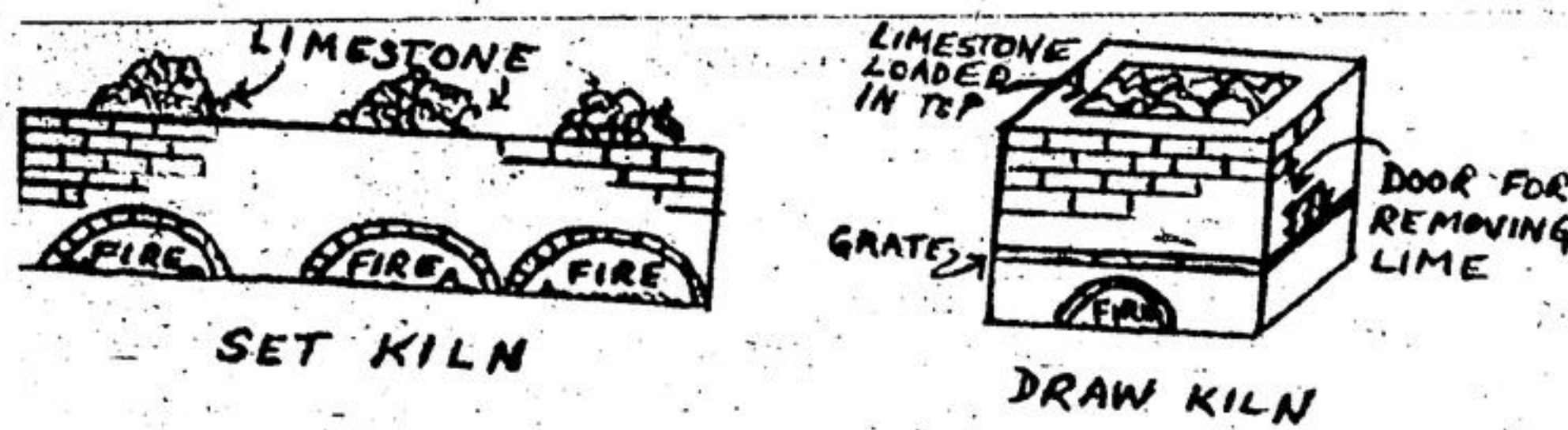
Good examples of both types can still be seen in the village today. The set kiln is the older type—a short, squat looking structure. Wood was placed in the kiln and limestone piled on top to a height of six feet. The "cooking" process took five to six days with

wood being continually fed through the fire hole. Finally, the fire was allowed to die out and after a cooling off period, the lime was removed.

More Efficient

The draw kiln was a tall structure and much more efficient than the one we just described. The stacking of the wood and limestone was basically the same, but a grating was added between the wood and stone. "Cooking" took approximately three days and once this initial period had elapsed, lime could be drawn off every six hours.

Rock could be added continually at the top of the kiln, with the grate below the fire below for long periods of time, shut down only being necessary for the job of refilling with new fire brick.



LET'S PLAY BRIDGE

By Bill Coats

Three teams met in Acton last week for the first game of four challenge matches held in this area. Acton proved to be the perfect hosts for the occasion.

Erin was represented by Bob and Reina Dickson, Clay Barbour and George Ellenton. Milton's team was made up of Lou Bertasson, Bill Barbour, Bill Hamilton and Brian Hamilton. Acton's representatives were Bill and Gloria Coats, Mary Manning and Bob Remington. Unfortunately, due to the illness of a key member of their team, Georgetown was not represented.

Milton won the most boards (hands), due to an almost clean sweep against Acton, but the Erin team won their matches against both Acton and Milton. Acton... well, as I said earlier, Acton were the perfect hosts.

We are looking forward to repeating this event later in the spring and we hope at that time that Georgetown will enter a team as well.

Here is a hand from the Acton-Erin match in which both defenders slipped.

Dealer—West.

North—South vulnerable.

North

S—O 6
H—8 5
D—8 6 4
C—A K Q J 10 8

West

S—J 5 2
H—O 10 7 6
D—J 10 7
C—6 5 3

East

S—A 8 4
H—A 3 2
D—A 9 5 2
C—9 7 4

South

S—K 10 9 7 3
H—K J 9 4
D—K Q 3
C—2

The bidding:

West	North	East	South
Pass	Pass	Pass	1S
Pass	2C	Pass	2S
Pass	3S	All Pass	

I was in the North position and found that I had a bidding problem over South's minimum rebid of two spades. Just how good is North's hand? Should North try some number of no trumps? It was a tough guess, so I ended up just raising partner's spades.

West led the diamond jack, which was won by East's ace. East returned a diamond. After clearing trump, declarer was able to run dummy's clubs. He lost two trump and two aces—just making three spades.

Against Acton, the Erin-North-South pair reached a four spade contract. This was also made, thus giving Erin the best result on the hand.

Both defenses slipped. When dummy has a long solid side suit and no side entries, it is essential

to lead the suit, to cut off declarer's communication.

On the diamond lead, East should win and immediately lead a club. If declarer has two clubs, East can win the first round of trump and lead clubs again. This way, declarer is held to a maximum of three club tricks. If he led a fourth club, the defense still has trump and can ruff.

Try to cut communication between declarer and a long suit in dummy.

Last week's winners were: first, Bob Remington and Bill Coats; second, Miss Olive Logan and Mrs. Katherine Coats; third, Lou Bertasson and Bill Hamilton.

Auxiliary Plans Packing of Bale

The Women's Auxiliary of St. Alban's met at the Parish Hall on February 9 for their monthly meeting.

The Rev. R. MacMurray gave a discussion on the proposed union of the Anglican and United Churches of Canada. Arrangements were made for the making of a quilt, mitts, etc. and the collection of good used clothing to be included in the annual bale, which will be sent in April to Hamilton where it will be sorted and redirected to needy people at home and abroad.

Mrs. W. Denny presented a doll that she had dressed beautifully, with extra outfits included. This will be on display in Hamilton at the annual meeting of the diocese, and later sent out with the bale.

Members will attend the World Day of Prayer service at Beth-El Christian Reformed Church on February 25. Mrs. Rol, president, closed the meeting with prayer.

Y.P. Speaker

Karl Ljungberg spoke to the United Church Young People Sunday evening on "Life in his native Sweden." He pointed out that Sweden and Canada have much in common as he spoke and showed pictures. Mr. and Mrs. Ljungberg came from Kitchener for the evening.

Why Limestone is Burnt

Any of our readers having a scientific inclination might be interested in knowing just why limestone is "cooked" or "burnt", and what the chemical process is through which it passes in order to become the cohesive ingredient in mortar or plaster.

Limestone, as it occurs naturally, consists essentially of calcium carbonate, CaCO₃. Calcium carbonate has no "setting" properties and has to be converted to calcium oxide or "quicklime" in order to set and bind the sand together into a mortar. This conversion is accomplished by driving the carbon dioxide from the limestone by heating it in a kiln of the type described.

In the preparation of a lime mortar, the quicklime is thoroughly mixed with sand and water and trowelled into place, forming the binder between the stones. The calcium oxide or quicklime is converted immediately to calcium hydroxide or slaked lime by the water.

Soft Mortar

When the excess water evaporates from the slaked lime-sand mixture, a relatively soft mortar is formed. This mortar slowly hardens as the calcium hydroxide takes up carbon dioxide from the water and the air and is converted back to calcium carbonate or limestone. Complete conversion of the mortar in a joint may take many years.

Roman structures which have been standing as long as 2,000 years have been found to contain unconverted calcium hydroxide on the inside of a joint, protected by a thick layer of calcium carbonate from the moisture and air on the outside.

The waters off Canada's Atlantic coast comprise some of the most important fishing grounds of the globe, supplying fish to people all over the world.

HARLEY...to HALTON

By DR. HARRY HARLEY, M.P.

Since the conclusion of the Throne Speech Debate, the House of Commons has been considering the estimates of various government departments. To date, the Department of External Affairs has been concluded and the Department of Transport has just begun.

The debate on External Affairs

Miss Clark Hostess At W.M.S. Meeting

The Afternoon Auxiliary W.M.S. of Knox Church held a very enjoyable and enlightening meeting at the home of Miss Ruby Clark.

After the president opened the meeting with prayer and the singing of a hymn the meeting was turned over to Mrs. E. J. Hassard for the worship service.

Mrs. William McLeod read the beatitudes in the fifth chapter of Matthew. After this Miss Isabel Anderson commented on this chapter and on Philipians 2 on the theme "Salt and Light." She noted how often Christ referred to these and how He applied them to the Christian life. She also pointed out what it means to be a Christian and our need to get our help from God.

Following this Mrs. D. Leslie read a short poem "In the Quietness of Prayer" which carried out the theme of the devotions.

This devotional study brought up the question of Christian outreach and what our church is doing in different countries. Mrs. O. Moran spoke of India, Mrs. D. Kennedy of British Guiana and Taiwan and Miss Ruby Clark of Nigeria. They told how the church and also Canada are trying to bring experienced workers and are so anxious for education that they undergo many hardships to attain it.

The president in the business part of the meeting, after hearing reports and letters spoke of the coming inaugural meeting of the Auxiliary of Prayer when two from the Auxiliary will take part in the service.

She thanked Mrs. Hassard and her committee Mrs. W. McLeod, Mrs. D. Leslie and Miss Annie Staiker, and the hostesses.

Four guests were present and all enjoyed an enjoyable half hour of fellowship.

Memorial Organ In Br. Guiana

On Sunday night December 12, a new Hammond electric organ was installed in Burns Memorial Church, Georgetown, British Guiana, and dedicated "to the glory of Almighty God", and named the "Ellen Anderson Memorial Organ" in tribute to the memory of the late Miss Mary Ellen (Nellie) Anderson, for many years organist and choir leader of the church.

Each year since the passing of Miss Anderson, the Adults' Bible Class of Burns Church, founded by Miss Anderson, has held, on the third Sunday of June, an anniversary memorial service. This was attended, last June, by more than 30 organizations and by the Bible Classes from other denominations.

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Plan Monthly Visit To Manor Residents

Unit Two, United Church Women, Trinity United Church, held their monthly meeting in the church parlors with Mrs. Veldhuis, president, in the chair, opening the meeting with prayer and the Lord's Prayer in unison.

Mrs. Helen Little gave the secretary's report in the absence of Mrs. Earl Lambert, who was injured in a fall. The treasurer's report was given by Mrs. Helen McGeachie.

Letters of appreciation are still coming in for the Christmas cheer baskets and many cards have been sent out to sick and shut-ins. 33 house calls have been made and five hospital calls.

Mrs. H. R. Force was delegated to buy books for the children's library at the church.

Two car loads of ladies went to Milton on February 10 to attend the fourth annual meeting of the Halton Presbyterian for the U.C.W., held in St. Paul's United Church. This was a very inspirational meeting with over 200 ladies present, but was greatly saddened by the death of the incoming president, Mrs. F. W. Hayward.

A car load of ladies is to go to Halton Centennial Manor once a month to visit the sick and aged, who otherwise don't have too many visitors. Mrs. Shoemaker gave her usual full report of the sick, elderly and shut-ins of the church.

February 25 is the World Day of Prayer, to be held in the Christian Reformed Church.

Anyone in the congregation who wishes to help in the work of the lepers was asked to save used postage stamps, leaving a margin of the paper with each stamp. Over 60 lepers were taken care of last year by the sale of these stamps. The address is "Mission to Lepers", 67 Yonge St., Room 1101, Toronto, Ont.

Mrs. Shoemaker for her devotional took the Apostles' Creed and gave some very enlightening reading on the different parts of this Creed.

Mrs. Force read "The Legend of St. Valentine". In closing, Mrs. Little read a letter from her brother, Prof. Jervis and his family, who are adjusting to life in Japan where he will be stationed until next June.

The meeting closed with the Mizpah benediction and a lovely lunch was served by the committee in charge.

I have not heard of complaints that questions have been cut off because the time is limited. The Speaker of the House has good control to date and this certainly tends to keep the question period an interesting and informative period with little waste of time.

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SILVERWOOD

Willy Poot Heads 4-H Club Executive

The first meeting of Silverwood 4-H Club met at the home of Mrs. Henderson on Saturday morning, February 12. Election of officers resulted as follows: president, Willy Poot; vice-president, Linda Tjart; secretary, Janet Henderson; treasurer, Rose Marie Tjart; press, Irene Keir; telephone convener, Sheila Campbell; Laura Henderson; attendance convener, Connie Bornholt. Plans were discussed for future meetings and a demonstration took place on how to pack a suitcase. The meeting ended with cake and cookies and

The next meeting is at Limehouse Hall.

Mrs. G. Henderson and Mrs. J. Keir are leaders for the 4-H Club.

The Silverwood Women's Institute held their February meeting on Thursday afternoon, February 10, at the home of Mrs. K. C. Lindsay. Miss Moore was program convener. It was current events and each member added to the meeting, her own current event and a few remarks on this special event.

The roll call was answered by suggestions for the centennial program as it affects the Institute branch at Silverwood. Other plans were held over to the March meeting. A social half hour closed the meeting.

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