



MAPLE SYRUP

DIGEST



Vol. 20, No. 3

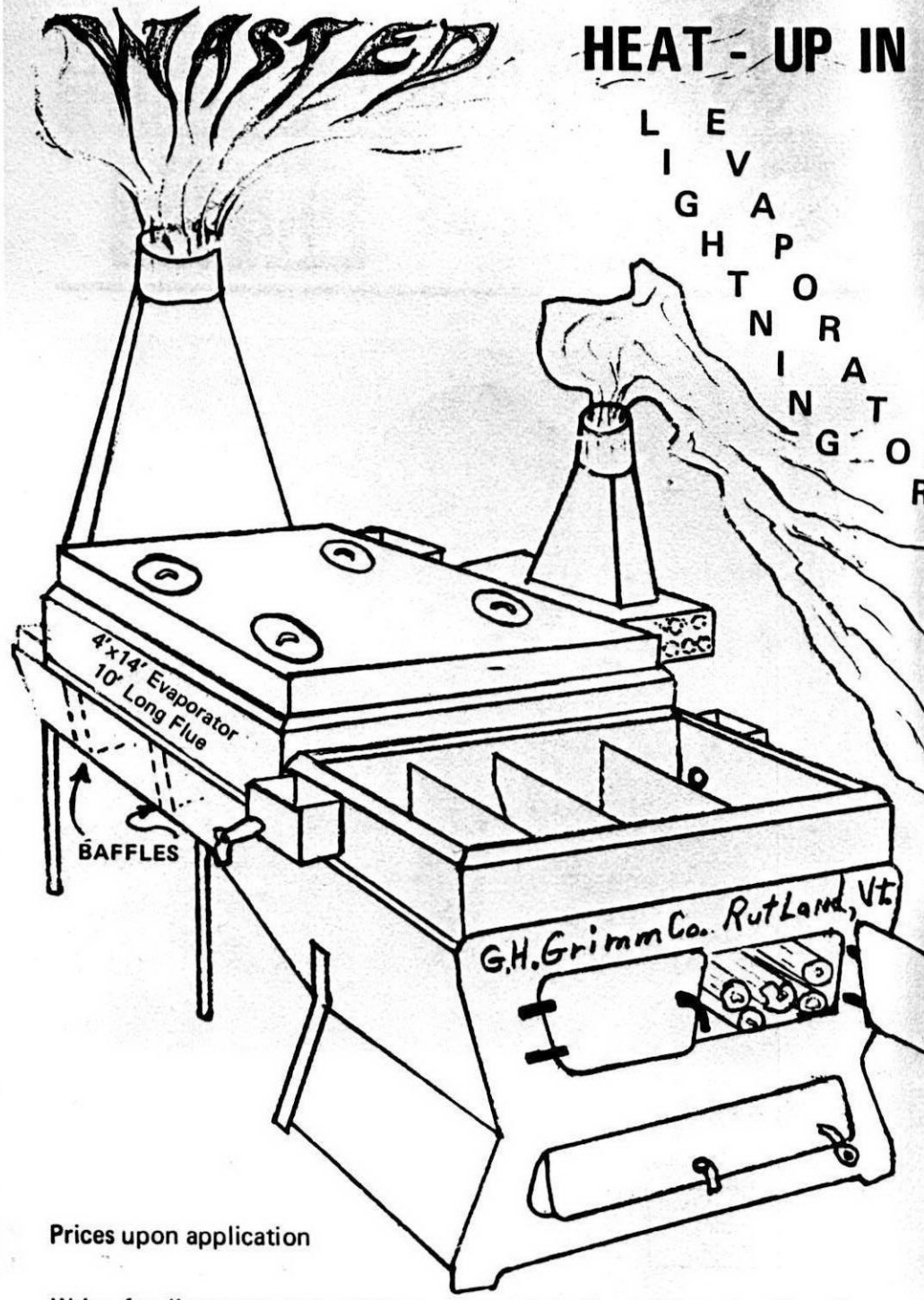
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COVER PICTURE

RAYMOND T. FOULDS

Extension Forester

of Vermont,

retires.

See article page 12.

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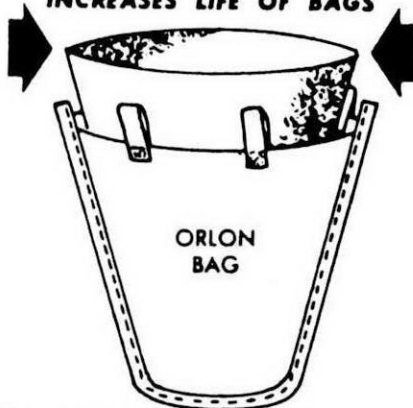
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Editorial

There wasn't any editorial in the last Digest. There was no women's page either, and there's none in this issue so I guess I had better tell you why.

I went to a meeting of our state Maple Association last June 10th. The July Digest was about to go to press and I was hoping to get an idea at the meeting for an editorial which I hadn't written yet. If I got one, I soon forgot it.

When I returned home Mary Lou wasn't a bit good. Had to go to the Hospital in a hurry and after four weeks, an operation and anything else they could think of that they could charge for, they let her come home. She's on some kind of treatments for six months and then I expect she'll be good as new. We both feel all you folks who read this column and the women's page are our friends so — thought you'd like to know.

There's another reason there's no women's page — no copy. You better get busy and send some in 'cause she'll be better soon and need it. Also, if you've tried to call and no one answered, maybe it's because she can't get to the phone very fast and I have to work for a living part of the time, so please try again.

Otherwise, I guess everything is fine. I don't know yet how the Digest is going to come out financially this year. If you didn't send your contribution, it's not too late or you can send twice as much next February when we'll put in another return envelope.

There doesn't seem to be much syrup around the woods any more. Sales have been good this summer in

spite of the high prices. Buyers seem to accept the \$20 to \$24 per gallon cost as reasonable. Sales at most fairs have been as good or better than ever. The N. Y. State Fair was off on attendance after a record last year but maple sales were about the same. It was the hottest ten days we've ever experienced so sugar sales were way down but syrup made up for it. In fact, we sold more gallons and half gallons than last year so the \$21.00 a gallon price couldn't have been too high.

If you're not getting somewhere near this price at your place you really should do some thinking about it. But then, maybe you'll have the same trouble I have which was described perfectly on a tee shirt I saw at the fair.

"When I work, I work hard
When I sit, I sit hard.
When I think, I go to sleep".

Yours,
Lloyd

ADVERTISERS: Our cost of printing the Digest has gone up about 25% in the past year. If we increase advertising rates 20% we should be able to operate at least for this coming year.

See directory on page 4 for the new rates which will take effect next issue (Dec. 1980).

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AROUND VERMONT

by
Bill Coombs

VERMONT MAPLE INDUSTRY COUNCIL

The Council states that maple syrup adulteration is a very serious problem and that the enforcement of the laws need legal justification before they can be upheld in a court of law. They strongly urge that all possible means be taken to see that the legal ramifications needed to take offenders to court be finalized as rapidly as possible.

VERMONT SUGARMAKERS ASSOCIATION

Bill Clark reports that he is working with The United Parcel Service and a

packaging container company to develop an approved carton for large sizes of maple syrup. He hopes the carton will be available before Christmas through the SMA or other suppliers. Let's keep our eyes peeled for it.

NEW ENGLAND MAPLE MUSEUM

The museum is located 7 miles north of Rutland, Vermont on U. S. Rt. 7 in Pittsford, Vt. These folks have done a fine job of telling the Maple Syrup story from past to present. Hope a few of you will get a chance to stop by and say hello to them in the next year. Places that help explain our industry to the public need our support. The museum is open as follows: May 23 - Oct. 31 (8:30 - 5:30) Nov. 1- Dec. 23 (10:00 - 4:00) Mar. 14 - May 23 (10:00 - 4:00) 7 days a week.

VERMONT MAPLERAMA

by
William K. Kruesi

Energy-saving ideas highlighted the 1980 Vermont Maplerama. For two days (August 8, 9th), a group of 250 maple syrup producers caught ideas for expanding the maple industry and to lower costs by using plastic tubing, fuel-saving devices, and better sugarhouse design.

The first tour stop was Peplau's sugarhouse in Reading, Vermont. In 1974, the Peplau family cut, peeled, creosoted and laid up their own logs for a new sugarhouse. Their 3,400 taps serve a new 5 x 16 wood-fired evaporator, with a Grimm raised flue pan on the front. A 5KV generator is used for standby power to a Mitchell vacuum pump.

Bill Moulton of Marshfield showed off the Banki water turbine which ran two Sapsucker vacuum pumps. Water from a stream rushed through two 4"

PVC sewer drain pipes, turning the turbine and pump. The stream had a 7% slope, so Bill went up-stream 110 feet in order to develop a 10 foot head at the turbine. Total cost of the turbine, sapsucker pumps and PVC pipe was \$665. A gasoline or propane powered vacuum pump would cost about \$560 plus fuel. He suggested using the turbine year-round to generate electricity, pump irrigation water, or charge electric fence.

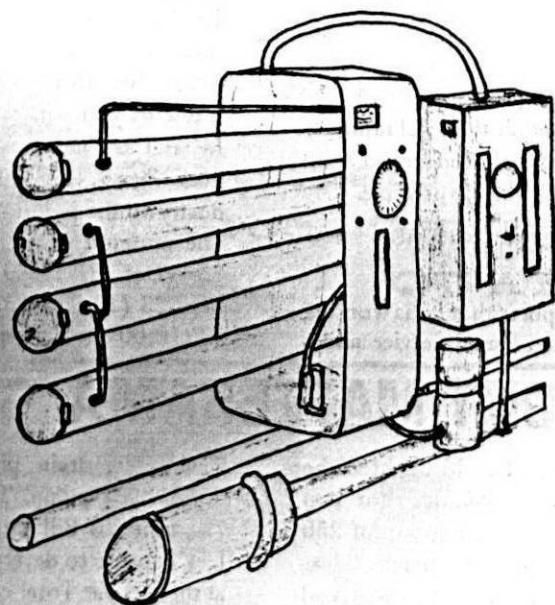
Visitors on Maplerama stopped at David Harlow's 14,000 tap operation at Reading and Ludlow. Harlow's retail outlet sells strawberries, cider, maple syrup and candy, with good mail order sales in Nov. and Dec.

Harlow's 90 acre sugarbush was shown in its three stages: old growth, middle aged and young trees. The old

Cont'd. on page 9

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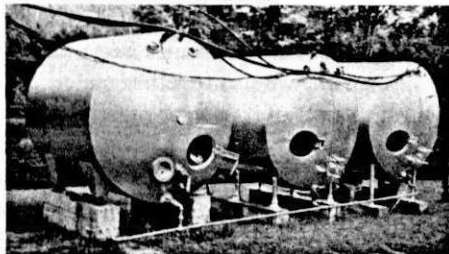
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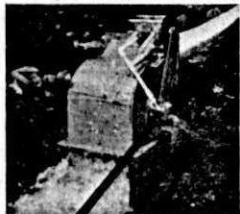
Cont'd from page 7

VERMONT MAPLERAMA —

growth consisted of 150 year old trees, some tapped as long as 100 years ago (as evidenced by $\frac{3}{4}$ " tap holes). Should David Harlow continue tapping trees in this section or harvest them for timber before they rot? At what point do you cut out the high value ash to help the maple stand in the middle aged lot? These and other woodlot questions can be answered by a knowledgeable forester and market demand.



Maple sap storage tanks, Harlow's sugarhouse.



Water turbine powered vacuum pump.

Ray Foulds, to whom the 1980 Maplerama booklet was dedicated, mentioned that a good maple tree for tapping is one with a crown of at least 30 feet wide and at least half of the tree's height in live crown.

Saltash Mountain Sugarhouse in Mt. Holly and Plymouth introduced many sugarmakers to vapor recompression evaporation equipment; an energy efficient method of concentrating the sap before it gets to the wood or oil-fired evaporators.

One of these machines was originally used by the Army to purify seawater. The reworked machine concen-

trated the sugar from 2% to 10% in maple sap. The Modern Evaporator Co., whose founder is part of the Saltash group, hopes to market the equipment in the near future. A new machine will be rated at 225 gallons of water removed per hour.

In keeping with the need to reduce energy consumption, Bob Barlow, chairman of the 1980 Maplerama Committee, showed us a reverse osmosis machine. Reverse osmosis concentrates the sugar from maple sap. A 67% reduction in fuel consumption and a 50% reduction in boiling time has been realized, according to Bill Coombs who sells the machines.

Completing the two days of tours were a couple of family run sugarhouses. Dana Brothers in Weathersfield and Len Germain and family in Springfield showed how they combined buckets and plastic tubing to gather sap.

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Sometime about 1960 we built our first vacuum system. From somewhere I got the idea of using double jets out of water pumps and recirculating through two small tanks.

The years go by so fast I miss them, but unfortunately they don't miss me. I vaguely remember installing a unit with a small gasoline engine by a stream in the woods of Arnot Forest for Cornell University. One of those engines is worse than a nervous wife. Later on, we put together material for an electric unit in their sugarhouse.

Since then there has been a great deal of improvement in the vacuum units, not only more capacity but much higher vacuum for more efficiency. Through the years it has also been proven that a good high vacuum unit collects more sap but with a slightly lower sugar content. Nothing seems to be all good.

Vacuum creates an unnatural condition that may cause the sap to run on days that none would run at all. This seems to be the convincing argument in favor of mechanical vacuum and might possibly change a poor year to a reasonably good year.

The various research departments of both the U. S. and Canada seem to come up with about the same figures. A good vacuum system produces more sap per tap than a system without vacuum. But an over worked, short handed farmer finds it hard to equal their production results, and to make you really stop and think, I know of several producers who make more syrup per tap without using any kind of vacuum on their tubing!

In the background there are a

bunch of ugly statistics that dampen our enthusiasm. One is the law of diminishing returns. The more money you spend on equipment, the more attention and service it requires. In these cases you have got to produce a lot more syrup just to break even to say nothing of showing a gain. Then we always have Murphey's law with us whether we want it or not. That is, if there is a chance of anything to go wrong, it certainly will.

The friction on the walls of the main line is very high on mechanical vacuum and the main lines should be much larger than on conventional installations. For ball park figures most experts agree that a good installation should have at least 10 inches of vacuum on all taps and this doesn't mean just near the vacuum pump but all over the woods. 15 inches will do a little better but not enough to warrant it. Also, it is generally agreed that at least 5 inches of vacuum on all taps is necessary to be any improvement at all but not really as good as 10 inches.

Here's where reality can again show its ugly face. Most folks think vacuum will make any system work regardless of how poorly it is installed. Not so. A good rule to go by is this: No mechanical vacuum should ever be put on a line that does not work without it. Of course, here we could get into an argument about perfectly flat land so let's just forget that for now. Vacuum is simply more efficient on a good installation than a poor one, and it won't cover up mistakes. In fact, you have to keep the lines in better shape than a gravity system. There can be no leaks. There is no way a poor system with 5 inches of vacuum can any more than equal a good installation without vac-

uum, and it could be not nearly as productive.

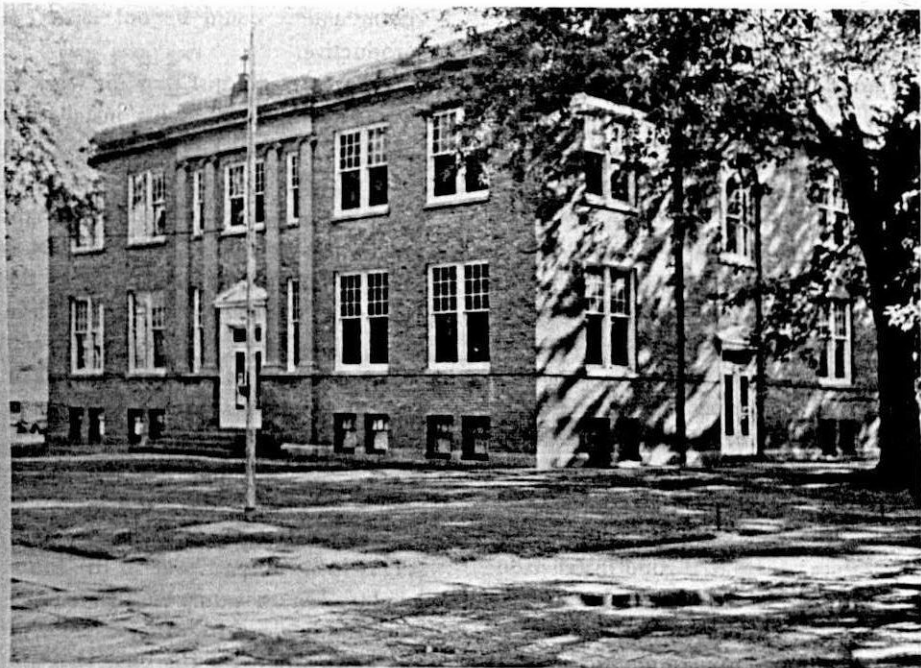
The perfectionist would work a few years perfecting his installation before he hooked vacuum to it. All over the area there are many ways used to collect sap with tubing. In the right hands one method is producing just as much syrup as any other. I think the answer is to select a way you believe in and then work at it year after year. We never know it all so there is lots of room to improve. Besides, someone in Michigan once said, "No job is really work unless you had rather be doing something else."

The ideal mechanical vacuum unit seems to be at least four to five thousand taps on one pump with large main lines running out to different areas of the bush. They are the ones that are really paying off.

Since I started promoting tubing over twenty years ago, I have more than once heard folks say: "Bob doesn't seem to be too bad a guy, but he's nuts," and of course I never could deny that. But then, two good maple producers would never agree anyway. Each one would accomplish their work their own way and do a good job of it. Your area's weather pattern as well as your neighbors results should have a lot to do with how you make use of tubing.

Sometimes I do a lot of thinking. We have gimmicks that do this and that and gadgets we just can't almost get along without and units we can't afford to go to sleep over because they should be watched more closely. I can't help but wonder how the old timers made so much syrup when all they had was a wood pile and skimmer. — BOB LAMB

This is a paid advertisement



New home of American Maple Museum, former Catholic school, Croghan, N. Y.

Ray Foulds Retires

Extension Forester for the State of Vermont from 1948 to 1980, Ray came to Vermont from New Jersey in 1946 following a severe wound received on the Italian front of World War II. He had received his forestry education at New York State College at Syracuse, receiving his Bachelor degree in 1938. Following recuperation from his wound in WWII he came to work for Perry H. Merrill, then the State Forester of Vermont. His flair for publicity work and his will to help others prompted Mr. Merrill to give him a high recommendation to fill the Extension Forester's job.

As Extension Forester he became engaged with a complexity of work

from public education to work with 4H clubs and schools for ASCS committeemen. His rapport with national and state forestry agencies was a reflection of his relationship with individuals and state organizations of all kinds. His mental curiosity and wish for more education prompted him to earn a Master's degree at the University of Michigan in 1953.

Ray was especially active in promoting the Maple Industry, the New Hampshire - Vermont Christmas Tree Association, and he was a leader in the Society of American Foresters. He accommodated individuals and groups with an even-tempered courtesy. He will be a difficult person to replace.

New Home for American Maple Museum



Bob Lamb shows his approval as Florence presents check to Warren Lyndaker, President of the American Maple Museum board of Directors.

Three years ago this past May the American Maple Museum held its grand opening with special ceremonies at Beaver Falls, N. Y. Since then the museum has had steady growth. Maple producers have given money, items and time to help make it a success. Adequate funds are raised for operating expenses and needed improvements.

The present building is located in Beaver Falls and is leased. The Board of Directors have been looking at alternatives so the museum could own its own building since the present one is no longer available.

After months of study it was decided to purchase the former Catholic School in Croghan. This building has everything necessary to house the museum and hold other functions such as pancake dinners and meetings. One big advantage is that the museum will be on a major highway and attendance should be much larger.

The major concern the Directors have is to raise enough money to purchase the building and to do the necessary remodeling. This problem was removed when Robert and Florence Lamb donated the money to purchase

the building for the American Maple Museum. The directors would like to take this opportunity to thank Bob and Florence and since the Museum belongs to all maple producers, they should all be thankful for this generous gift to the maple industry.

The directors hope that other maple producers will help with donations to get the building remodeled so all of us can be proud of this new home. Donations can be sent to, Leslie Lyndaker, Croghan, N. Y. 13327. Remember, all donations are tax exempt.

Plans are to move into the new building this Fall and spend the Winter getting it ready. Next Spring we will have our dedication and opening at the same time we hold our induction into the Hall of Fame and State Maple Queen Contest.

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New Maple Research Referee

Mariafranca Morselli, of the Maple Research Laboratory and Proctor Maple Research Farm of the Botany Department, University of Vermont, has been appointed Associate Referee for maple sap and syrup chemistry by the Association of Official Analytical Chemists (AOAC), Arlington, Virginia. Morselli will serve under the general direction of Arthur Johnson, Food and Drug Administration, who is the AOAC general Referee on Sugar and Sugar Products.

Morselli's tasks will be multifold, but mainly devoted to obtaining the official adoption by AOAC of newly developed methods for the analysis of pure maple sap and syrup.

The adoption of an analytical method by vote of the AOAC is based upon

the demonstration of its reliability, practicality and availability by the completion of a successful collaborative study done on identical samples by a number of competent analysts in at least six different laboratories which possess the necessary equipment.

There is a great need for methods of detection of adulteration of pure maple syrup and products, and they must eventually withstand legal scrutiny in the courts of law.

Any scientist qualified in the subject matter may collaborate in the study of a method. Morselli urges collaboration from the scientific community in U. S. and Canada for initiating the process of collaborative study and eventual adoption by AOAC of new reliable methods for the analysis of maple sap and syrup. Morselli's address is: Botany Department, Life Science Building, University of Vt. Burlington, Vermont 05405.

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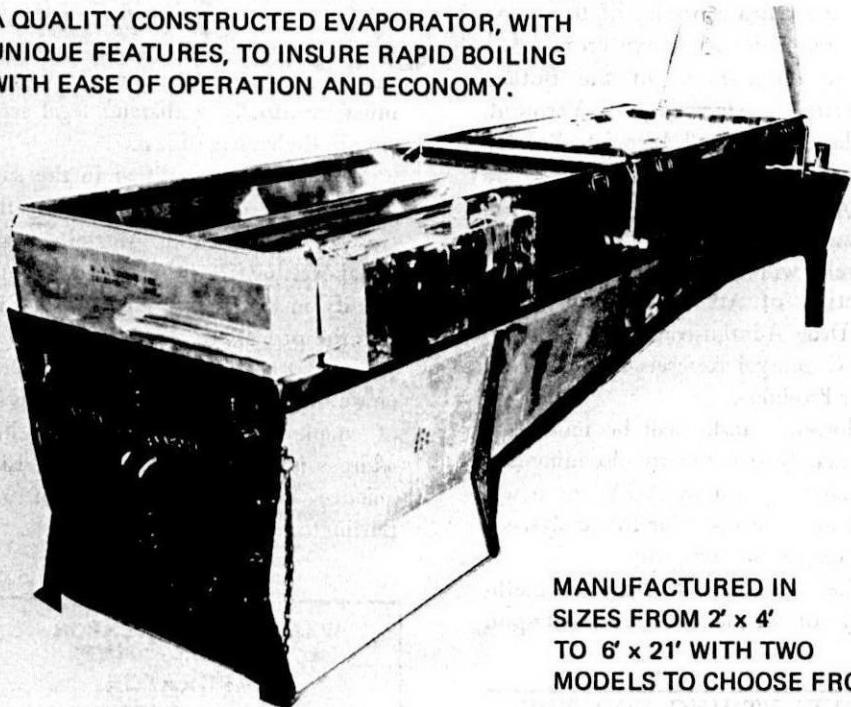
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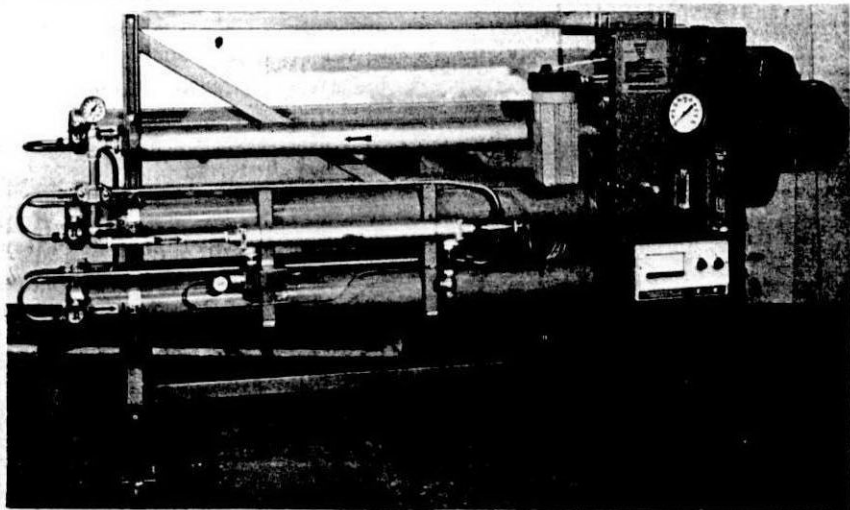
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STOP AND SEE OUR DISPLAY AT THE NATIONAL MAPLE
SYRUP ASSOCIATION MEETING IN OCTOBER

Ontario Summer Maple Tour

by
Chris Audley

It all started when Chris, who everyone knows does not know enough to shut up, stood up at an Ontario meeting and suggested the summer tour be held in his home region, namely western Quebec.

This went over like a lead balloon with all those nice Ontario folk who figured if there were many more like me in Quebec they'd just as soon stay right where they were - thank you very much.

Well, one thing led to another and by gosh, they took me up on my idea. They even said if I was so smart I could organize the whole thing. Then I suddenly realized what people had been telling me for years. I had a big mouth. However, I felt that if they were coming to Quebec, it had to be good as this was the first time most of these people had ever visited here.

I got hold of Duncan MacArthur and he organized the Ontario part of the event and, I might add, did a bang up job. We chose a couple of very modern installations.

Rejean Ethiers, who taps a large bush on federal land (Mirabel Airport) and Marcel Nepueu, who taps another section of the airport. Ethier is on wood and oil, with two large evaporators and a finishing fire which finishes batch by batch. A 50 seat dining room is attached. They are all on vacuum pipeline. The syrup is sold along with candy, butter and taffy from the camp.

Nepueu's is only one year old, has

two large oil evaporators but each runs individually to the finishing rig. I feel this is probably better than in series, it gives clearer syrup. They are on a complete vacuum system with a large milk bulk tank as a vacuum tank.

In Quebec we have what is referred to as a "Cabane a Sucre" meal. It is only traditional to Quebec so we felt this would be an interesting noon time event. This we did at the third stop: Jeannot Lalande's "Cabane Au Petite Coteau." Apart from his sugar camp he has a very attractive building capable of seating 300 people.

The meal consisted of pea soup (the real thing) an omêlet like you wouldn't believe, ham, bacon strips, beans, potatoes, home made bread, relish and catsup, plenty of syrup to put on all this, then for desert, sugar pie, pancakes and tea or coffee. We don't believe anyone left hungry.

This all took place at my home town of St. Andrews which is celebrating 300 years. We arranged for eight local people, including the mayor, all dressed in period costumes to greet the people as they arrived. Then, as the meal was finishing we fired a shot gun salute and the town cryer entered to announce the arrival of the Seigneur of Argenteuil and his lady with a guard of honor. All this was done also in period costume.

After that we had artisans and dealers showing their wares outside on the grass and an old steam engine train to take people on an historic tour of St. Andrews. At the same time there was a display of how to make maple candy, sugar and butter expertly shown by Marion Paul and Duncan MacArthur and visits to Laland's sugar operation.

At the banquet that evening I was

honored to be chosen as M. C. Actually I chose myself. I have always wanted to be an M. C. After dinner we were entertained by as colourful and smart a turnout as I have ever seen: The Glen Garry scottish dancers, all youngsters who did a very professional job. They were followed by a band who did background music for the talents of Brian Paul's square dance calling. Also some ordinary dancing for those of us who couldn't understand a thing Brian was trying to tell us. Brian is a great sugar maker, but what the hell is a "Dosie - Do"?

The next day we visited a cedar oil mill. They use steam to get the oil out of cedar boughs.

Next was Besners Farm and a very nice clean sugar house set on a hill behind the main house. We discussed their very efficient operation over coffee and doughnuts.

Final stop was Juillet's Maple Operation. They are the people who had the band at the banquet. Dealer dis-

plays were put up here and a delicious pancake and sausage lunch was served. We also visited their maple bush.

We were just basking in the praise of what a good tour it was, the biggest Ontario producers have ever had, we were told, when they announced that the Gouvenor General of Canada would be coming to the annual meeting in October. I suddenly realized we had been upstaged. If only I had thought of that we would have had him enter with the Seigneur. Just wait. Next time we will have Prince Phillip.

A big thank you to all those who helped and to John Butler and his wife who were always there guiding the way. It was a pleasure after so many wonderful visits to all of your regions to welcome you to our area.

And so, as I always say at the end of my weekly newspaper column on maple: "May the good Lord be your constant companion, drive carefully, the life you save may be mine and remember, THINK MAPLE."

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- Ralph Perry, Ira Maple, Inc., W. Rutland, VT.05777 . . . (802) 775-3564
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- Richard Moore, Loudon, NH 03301 (603) 267-8217
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We produce, sell, custom pack all grades maple syrup: bulk, wholesale, retail.

ENERGY POSSIBILITIES

Frederick M. Laing

Everyone is aware of the energy situation. For the maple producer some special problems may arise, particularly for those using fuel oil in their evaporators.

Alternate sources of energy may not be similar for all producers because alternatives depend on location, equipment available, size of operation, and markets. For example, a maple producer in Pennsylvania might consider anthracite coal as a fuel. However, transportation cost probably will not allow producers located far from the coal regions to utilize this fuel economically.

In some areas natural gas is available, but the price of this fuel will probably equal oil prices. Liquid propane or butane have been used as fuels by some producers. These are derived from petroleum so price per million BTUs between these fuels and oil tends to even out.

Even the old standby, wood, may be a problem. The demand for firewood for home heating has driven the price and availability to levels that can be a problem for a producer who has to buy his wood supply. For those now burning oil but who can put up their own supply, modifications to the arches will be necessary. The minimum requirements for converting to wood are installing grates, firebox doors, and ashpit with draft control (1). For some, the firebox dimensions may not allow burning 4-ft wood. In addition, many flue pans are longer, which requires some care in filling the firebox without damaging the front of drop-flue pans. Producers with more than one evaporator would no doubt require more help to fire the arches.

We have shown that wood chips can be used to fire evaporators on a semiautomatic basis (2). Sources of wood chips are sawmills, pulp chip brokers, or your own cut chips, using a rented chipper, from woods thinning. Some problems are associated with the use of wood chips: moisture content (m.c.), chip size, and storage

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"U. S. MAPLE, INC." now has available for sugarmakers a green, weather, resistant, tubing of superior and uniform quality. A new line of unique tees, spouts, and connectors complimenting this tubing and interchangeable with all other systems is expected to become available in October. Contact the following sugarmakers for details.

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Aaron Hall, Potterville, MI. 48876

(517)694-9593

Charles Hoag, West Chazy, N.Y. 12992

(518)493-5444

space. The chips should be less than 35% m.c. (wet basis) for good combustion. Although wet chips can be burned with some supplemental oil, wood chips that are above 35% m. c. can freeze into a solid mass in storage. Mechanical feed systems require that the chips be uniform in size. Wood chips are bulky, requiring considerable storage space—about 17 lb of chips per cubic foot depending on moisture content. About 30 lb of wood chips of 30% m.c. equal a gallon of oil.

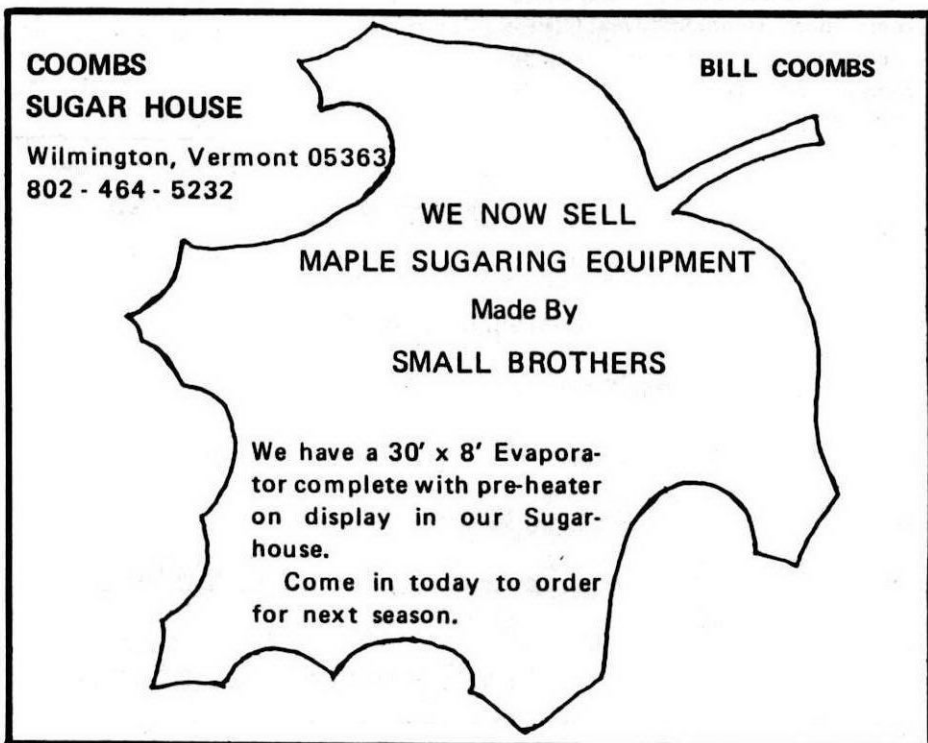
If sufficient demand for dried wood chips is generated in an area, some thought should be given to a central drying point, using waste heat for the drying. The dried chips could then be delivered on an as-needed basis, decreasing the storage space needed.

Another alternative is to use pelletized material. Wood, bark, solid

waste paper, and agricultural residues all can be pelletized. The result is a low moisture content (12-15%), denser product, therefore, requiring less storage space and being easier to handle, such as in automatic stokers or other mechanical feed systems.

Either wood chips or pellets can be fed mechanically. With wood chips a variable speed drive is advisable to adjust the rate of feed according to the moisture content. Most of the parts are readily available, often secondhand, so feed mechanisms should not be a major expense.

Regardless of which fuel is used, any steps to increase the efficiency of the evaporator will help save fuel. Insulation of the firebox and sides of the arch, use of a preheater (3) (4) (5), and sweeter sap from tree selection are all important efficiency steps.



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Rough calculations using Jones' Rule of 86 and using 1 gallon of oil to evaporate 10 gallons of water can help locate the lower economic limit of sap sweetness. For example, 1.5% sap requires 57.3 gal of sap per gallon of syrup ($86 \div 1.5 = 57.3$). That means to boil off 56+ gal of water requires 5.6 gal of oil. If oil is at 85c/gal, that's \$4.76 just for fuel. Three percent sap requires 28.7 gal of sap per gallon of syrup ($86 \div 3.0 = 28.7$) and about 2.8 gal of oil at a cost of \$2.38 for fuel.

Other types of evaporation that have been tried in the maple industry are reverse osmosis units and vapor compression distillations. The latter are presently suitable only for large syrup producing units because of the large capital investment required. Reverse osmosis has received the most use; as experience is gained and equipment improved, these units may become more common. This type of equipment is attractive because of low energy costs. However, low energy costs are a tradeoff with high capital

investment.

Some thought should be given to marketing, too. The gasoline shortage last summer sharply decreased tourism in most maple producing states. Syrup sales at roadside stands fell off accordingly. Increased attention to mail orders and gift lists might be helpful in the future.

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- 2) Laing, F. M., H. Duchacek, S. Williams, N. Huyler, and L. D. Garrett. 1978. Wood Residue Fuels for Maple Evaporators. Vt. Agr. Exp. Sta. MP 101. Burlington, VT.
- 3) Raithby, G. and W. Hallett. 1974. Preheaters for Open-pan Evaporators. Nat. Maple Syrup Digest 13 (1):8-11.
- 4) Garrett, L. D., H. Duchacek, F. M. Laing, and J. Marvin. 1975. Test Results of a Maple Sap Preheater and a Modified Oil Burner Arch with Wood Chips. Nat. Maple Syrup Digest 14 (1) 14-15.
- 5) Duchacek, H., F. M. Laing, L. D. Garrett, N. K. Huyler, M. F. Morselli, and J. Marvin. 1978. Sap Preheaters: Efficient Maple Syrup Processing. Vt. Agr. Exp. Sta. MP 97. Burlington, VT.

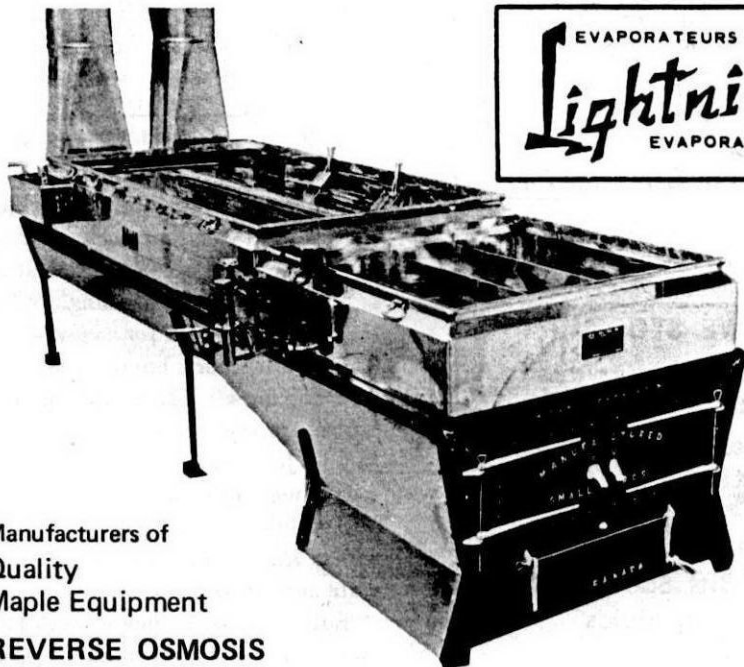
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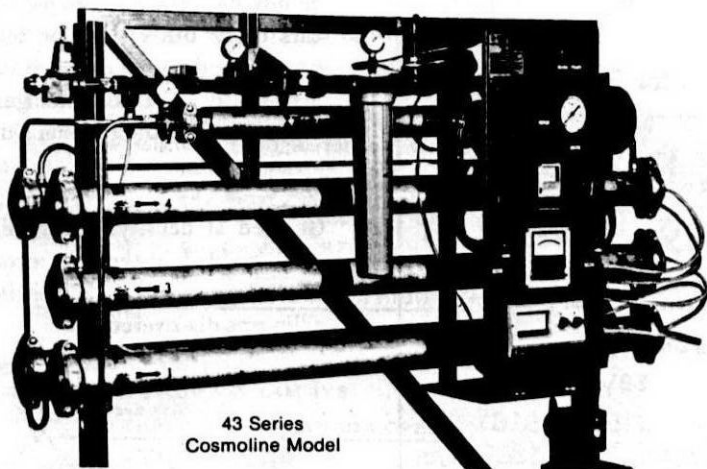
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LETTERS:

ARCHIE'S SUGARBUSH

Dear Mr. Editor,

My wife she sez, "Truthful Archie, sometimes she calls me Honest Archie," please tell that nice Mr. Editor Man about the big camp we had in the North Country".

Well, to be truthful about it, we had the contract to tap 6 sections of the finest sugar bush in the world. All trees wer 4% sugar and above. The undersirable feature was the flat land. It could'nt be put on tubing. We hung buckets. That called for a crew.

We built a buñk house, cook house, barn for horses, blacksmith shop and 1 6 hole privy complete with catalogs. Johnie Johnson was the cook. Made sour dough pancakes every morning. The griddle was so big he hired a boy with a slab of bacon on each foot to skate and grease the griddle.

But the biscuts, they were so hard, those left over were used for shims under the cook stove.

When we started boiling, the 6' x 20' evaporators made so much steam the average person thought it was a cloudy day. The railroad parked 6 tank cars every other day for filling with syrup. We dumped so much sugar sand just south of Lake Michigan, today they are called the Indiana Dunes.

Everything went fine until Pete Peterson broke the hydrometer. Gussed at density, it turned out too thin, molded in the tank cars. Sold it to a drug company. That is how penicillin was discovered.

Your truthful friend,



MARELCO PLASTICS CORP.

TM"MAPLEPOWER TUBING SYSTEMS NEWS BULLETIN 1980"

Mike Berliner, developer of the Green-Weather Resistant, 20 year guaranteed tubing has purchased the business, with all rights etc. from Sherwood Medical, and since February, 1980, self-manufactures all tubing and fittings. The quality of the system has been upgraded in all respects and we are expanding our distribution program to include exclusive county coverage in maple producing states (VT/NY) and if you are interested in this ground-floor opportunity, get in touch with Mike Berliner as soon as possible.

Our yearly maple equipment meeting will, once again, be held, Saturday, October 11, Lake Luzerne, New York, during the Lake Luzerne Fall Festival, celebrating the autumn colors in the Adirondacks.

DIRECTIONS: Exit 21, Route 87, Adirondack Northway, Route 9N South 11 miles to Lake Luzerne (Send for more Information)

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Penn Run Woman Honored



Sara (Keim) Smith of Penn Run R. D., a member of the founding family of the famous Keim's Maple

Kamp at West Salisbury, Somerset County, has been honored by the Pennsylvania Maple Producers Council during its annual meeting held in conjunction with the state Farm Show activities in Harrisburg.

Mrs. Smith was the recipient of the council's Award of Merit, presented during the annual meeting by James Bochy, Somerset County agricultural agent. Mr. Bochy is a previous recipient of the council's annual award.

Recognition

The award was made in recognition of Mrs. Smith's promotional activities for the maple industry for the past several years during the annual Agricultural Progress Days at Pennsylvania State University.

Her popular presentation at the council's booth during the three-day annual event demonstrated the preparation of maple crub sugar using a hollow log.

Mrs. Smith, together with her par-

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Grimm 5 x 14 pans; Lightning oil fired 4 x 13 with preheater hood; 4 x 12 steam hood; 5 x 10 steam hood; sugar machine; 6 x 4 s.s. Leader syrup pan, and more. **SMADA FARMS, INC. 607-656-4058.**

FOR SALE: used 30 gallon steel drums. 18 gauge epoxy lined, 2" bung top and side. Quantities 1-500, \$10.00 each. SPRING TREE CORP., Brattleboro, VT. 802-254-8784.

ents, Mr. and Mrs. George Keim, and her two brothers, developed the Somerset County camp into one of the largest tourist camps in the nation. The maple showplace has been host to many people, including large tours from Washington, Pittsburgh and Cleveland during the 1960s.

Others Taking Part

Other area residents taking part in the presentation ceremony included J. Curtis Dom of West Salisbury and Anthony Schmidt, Bakersville, both voting delegates to the organization.

In other business, Ed Curtis of

FOR SALE: used sap buckets, covers & spouts. (all sizes available). Used 5' x 12' Small Bros. evaporator. Used 3' x 12' Small Bros. wood-fired arch. Other used evaporators available. Misc. used syrup and flue pans. MICHAEL GIRARD 11 Village Road, Simsbury, CT. 06070 Phone: 203-658-5083, evenings.

LEADER: 10-BBL gathering tub, almost new, \$560. WARREN ALLEN, your "Maple Power" distributor in Lewis County, N. Y. 315-346-6706.

WANTED: person to run 4000+ tap sugar bush side hill operation latest in modern equipment and buildings. Great potential for marketing. Located at one of New York States largest ski areas. Contact: JAMES SMITH, Snowridge Ski Area, Turin, N. Y. 13473.

WANTED: 4' x 7' or 8' flue pan, Leader, with preheater desired, PAUL EGNER, Shiloh, Ohio 44878.

FOR SALE: Sapsucker Vacuum Pump System, 2 heads. CARLTON BROWN, Newfane, VT. 05345. 802-365-4460.

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FOR SALE: Two 5000 gallon vertical sap tanks in Northern and Central New York. Two 2000 gallon 30 ft. long, all stainless steel cheese vats in Richmond, VT. One 3500 gallon milk hauling tank. PAUL TINKER SALES, Box 326, Eastwood Station, Syracuse, N. Y. 13206. 315-476-6750.

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Honesdale, Wayne County, was re-elected president of the council. Dale Jeffrey of Wagner's Maple Camp, West Salisbury, was named vice president and Robert Hess of Montrose, Susquehanna County, was re-elected secretary-treasurer.



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Maple Producers

Leader Evaporator Co., Inc. has completed arrangements with New England Container Company, a division of Crawford Container Company, with plants in Cleveland, Ohio, Philadelphia, Penna., Long Island, N. Y. and now St. Albans, Vt. They will supply the Maple industry with a quality container of the proper size for hot pack Maple syrup, in both lithograph and plain design.

All five sizes will be available in sufficient quantities to meet the needs. It will be to everyones benefit for the Maple producer to place orders for each individuals needs as promptly as possible. In this manner scheduled production and delivery can be programmed for a much better flow.

Please direct all inquiries to Leader Evaporator Co., Inc. or its dealers and agents.



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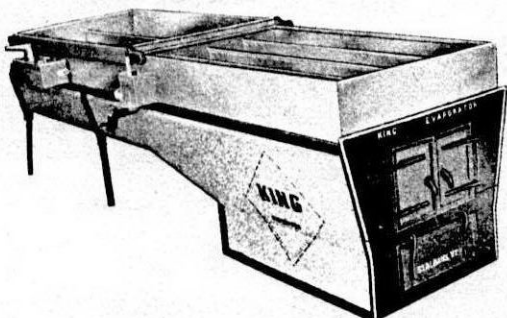
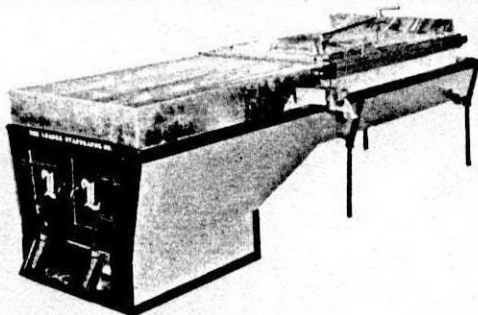
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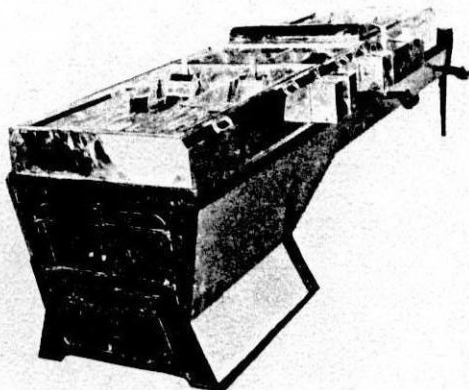
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SALE - 190,000 POUND - SALE

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SALE**

5/16 PVC TUBING APPROX. 20. LB. TO THE 500'
ROLL. FIVE & ONE HALF CENTS PER FT. .070 TO
.075 OF AN INCH WALL THICKNESS, #78S SPOUTS
.20 EACH #34 - Ts & #46 CONN.

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1/2" - 3/4" & 1" MAINLINE AT LAST YEARS PRICES

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