

HIS SON IS LIKE A DIFFERENT BOY

Farmer Says Way Tanlac Has Brought His Child Out is Simply Wonderful

"My son is like a different boy since he began taking Tanlac and I feel like I ought to let everybody know how the medicine has brought him out," said William Perrin, well-known farmer at Clarendon, Queens County, N. B.

"My boy had been in a badly run-down condition for some time. There was no color in his face and he looked so unhealthy that we feared he was going into consumption. He had no little appetite that nothing would tempt him to eat and he used to sit down to the table and just nibble at his food. His nerves were in such a terrible state he would toss about for hours at night, unable to sleep.

"When we saw by the people how Tanlac was helping others we decided to let him try it and after the first bottle we could see a big difference in him. He began to eat much better and to take an interest in things. The color came back into his cheeks and he now has a good healthy appearance. He must have gained a good many pounds in weight, for he looks much stouter and is so strong that he can do a man's work without getting tired. He sleeps well at night and gets up in the mornings as happy as a lark. Honestly, you wouldn't know him for the same boy that he was three months ago, and his wonderful improvement is entirely due to Tanlac."

Tanlac is sold in Newcastle by E. J. Morris, in Redbank by Wm. M. Sullivan and in Doaktown by O. Hildebrand.

NO FAITH

As rain was badly needed in the district, the followers of a darkey evangelist approached him with the request that he would hold a special service to pray for rain. The evangelist arrived and the church was packed.

Ascending the pulpit, the evangelist thus addressed his flock: "You people will all get mighty wet today 'cause you hab no faith. We hab all assembled here to pray for rain and not one of you hab brought a umbrella."

GUARD AGAINST CHILLS

Simple Precaution Against Dangers of Cold and Damp.

Cultivate the habit of taking a cup of hot Oxo—a cube to a cup—before going out in the cold or damp. Such weather is a tax upon the system, and the strengthening and warming powers of the concentrated beef goodness fortify you against the evils consequent upon exposure.

If the uses of Oxo are new to you, try a tin of four cubes. Oxo greatly improves gravies, stews, or soups, and is a delightful, sustaining and appetizing beverage. It is excellent for children.

Regular users of Oxo prefer the larger tins of 10 and 50 cubes, using them in many different ways in place of meat.



Applied After Shaving

Keeps the Skin Soft and Smooth

MANY men suffer from irritation of the skin as a result of shaving. With some it assumes a form of eczema and becomes most annoying and unsightly.

By applying a little of Dr. Chase's Ointment after shaving the irritation is overcome and such ailments as Barber's Itch and Eczema are cured.



OIL SHALE DEPOSITS OF N. B. ARE BIGGEST IN THE WORLD

Mr. Matthew Lodge, of Moncton, Has Interested British Government in Great Fields Here

The Montreal Gazette of October 16th prints the following interesting article written by Alexander Gray:

In a recent article discussing the need of new sources of motive power, George Otis Smith, director of the United States Geological Survey, writes as follows:

"The oil shale resources of the country must not be overlooked, nor must their value be underestimated as a rear line of economic defence. As their oil content is fairly comparable with the petroleum reserves of the world, the shales furnish an effective guarantee against the United States going bone dry as to oil; but the oil won from the oil shales will not be labor cheap, like the petroleum now flowing from our wells. As long as industry is short handed, it cannot expect any return from oil shale, nor can it expect any return to low prices by utilizing this resource, however vast its extent."

Having stated the positive and negative factors affecting oil shales—although he ignores what has been accomplished in the actual results realized from oil shales—Mr. Smith lends the weight of his official judgment to the fact that Canada's great shale resources only now are receiving the attention they merit.

CLAMOR OF OIL BOOMS

In a recent review of the oil fields of the world, more particularly of the United States, Mexico and Central America, their production to date and their possible reserves upon which all countries are dependent, Mr. Mark Requa, of California, acknowledged to be an international authority, declared that had it not been for the discovery of fluid oils in Pennsylvania, Ohio and elsewhere the oil containing shales known to exist would have been requisitioned. Scotland, Mr. Requa asserted, had pointed the way to utilize its oil shales. The "Scotch process" of distillation had made oil shales economically profitable, but the broader application of that method of extracting oils, gasoline and kindred by products was nipped in the bud when the contemporaries of the Rocketeers, Flagler, the Paynes and others gave the United States its first oil "boom."

There is a glamor about "booms" and "rushes" to precious metal fields. "Stampede" have signalized discoveries of precious stones. All such exciting adventures, however are dwarfed by oil "booms," where "the gamble" proceeds without "limp" and the element of chance, combined with enough capital to "start something," makes millionaires overnight, or convinces the embryonic magnate that a "duster" may develop alongside of a "gusher." The latter represents wealth without continuous effort, unless the "flush" production peters out. With oil shales, while their potential wealth awaits adequate capital, the business of mastering their economic contents was monopolized by the Scottish corporation until Mr. Matthew Lodge, of Moncton, N. B., celebrated the termination of a quarter of a century or so of unremitting investigation and effort by interesting the Imperial Government and British capital in the Canadian shales with which his name will remain indelibly associated. In the work of establishing these New Brunswick oil shales as the greatest of their kind, and the richest, Mr. Lodge has travelled all over the world, and has expended many years and considerable money on personal account and in behalf of intimate friends who have confidence in him. Whenever there is an oil field or an oil shale occurrence, he has compressed his lips and squared his shoulders in the presence of the experts and statisticians. His general fund of information is unsurpassed by geologists and "sharps" of international repute, and it is because of these that his constructive optimism has recently borne fruit both in the southwestern states and in New Brunswick. Mr. Lodge is encyclopedic. Familiar with the outstanding features of the oil shales of Utah, Colorado, Wyoming, and other states; conversant with "structures" of every locality where oil is being found or where geologists expect to find it during the past year he has directed drilling operations in Oklahoma and Kansas, and his record is that out of eight wells drilled he has only so far "struck" one duster. This is exceptional, and fortunate Montreal, Nova Scotia and New Brunswick associates freely attest this.

"What these shales represent in dollars and cents I will leave to the statisticians. For the information of Canadians, I might say that Dr. C. S. Lomax, of New York, discussing a plant with a daily capacity of 1,500 long tons (3,240 lbs.), equal to 442,500 tons per annum, offered a possible production of 32.7 imperial gallons per ton of shale, or 15,000,000 imperial gallons per annum; also a production of 65 pounds of sulphate of ammonia per ton of shale, equal to 13,657 tons of 2,000 pounds per annum. The 15,000,000 imperial gallons of gasoline, 7,981,500 imperial gallons of illuminating oil, 2,856,000 imperial gallons of lubricating oil; 1,710,000 imperial gallons of fuel oil, 6,120,000 pounds of paraffin wax, 1,330 tons of coke, and 13,587 tons of sulphate of ammonia.

SCRUBBING THE GAS

"Moreover, the quantity of crude oil and sulphate of ammonia in these estimates is based upon the lowest results obtained from Sir Beverton Redwood's analysis of the same for the Imperial Government. In addition to those recoveries, a further gasoline content is extractable from the gas which is carried over in the distillation of the shales. This latter extraction is done by scrubbing the gas with heavy oil, by what is known as the absorption process. The resultant extra production of gasoline is about 3 gallons per ton of shale, which, on the tonnage estimated by Dr. Lomax for a 1,500-ton plant, would be about 1,600,000 gallons per annum. These are the figures of disinterested experts."

"It has taken tedious years to enlist capital in these deposits. They were discouraging years. I never weakened in my belief that our shales would be recognized for their pre-eminence. In 1914 the Imperial Government finally directed Sir Beverton Redwood to report upon the shale deposits owned by the New Brunswick Shales, Limited, situated in Westmorland and Albert counties. Preliminary work was done by Dr. Marshall Hall, and a further large commercial shipment was made to England. This was retorted and distilled under the direction and supervision of Sir Beverton Redwood, with the result that we had thirty-three gallons of oil and sixty pounds of sulphate of ammonia. This commercial sample was taken from what is known as Steeve's Mountain, and the mountain side was stripped for twenty-five hundred feet, good and bad shale being taken to ascertain an average and to definitely determine the possibility of mining the whole by steam shovel. It was in this way that the average of one section of the property owned by New Brunswick Shales, Ltd., was approximately proved.

150,000,000 TONS OF SHALE

"How all important are these New Brunswick oil shales may be approximately estimated when it is understood that Dr. Marshall Hall placed the tonnage of this one section of the shales at 150,000,000 tons. The company owning these shales owns one hundred and ninety-two square miles and in recent years has proved its property in Westmorland and Albert counties by core drilling to a depth of 1,500 feet. Some fifty drillings were made at different sections, and they disclosed millions of tons that obviously could not be estimated from surface workings. These New Brunswick shales are the only ones tested for quantity and quality on the American continent. Without a doubt this has the largest and richest deposit in the world.

A PERSISTENT CHAMPION

Of the New Brunswick oil shales, Mr. Lodge is a consistent and persistent champion. Speaking of these, he is assured that they will attain to their long-deferred destiny as an important source of gasoline, illuminating oil, lubricating oil, fuel oil, paraffin wax and ammonia.

"Occasionally," he said, "there is a brief reference to our New Brunswick shales, whereas the American periodicals and newspapers devote much space to the shales of the state. It is not understood that some years ago Professor N. S. Shaler, of Harvard University, made the statement that the bituminous shale deposits of New Brunswick are the largest in the known world. Since that time we have demonstrated that his statement was correct not only regarding the quantity, but as to the quality. Distillation of full samples of these New Brunswick shales, made in Scotland under the direction of Dr. R. M. Ellis, of the Canadian Geological Survey, and Dr. Charles Baskerville, of the College of the City of New York, proved conclusively that the value of the shales in oil was forty-five gallons to the ton, and that the sulphate of ammonia content was seventy-seven pounds. These results were obtained from an average fifty-ton sample taken from the outcroppings at Rosevale, Baltimore, Albert County, New Brunswick.

It has been a long drawn-out campaign, whose end Mr. Lodge hopes is in sight. Very few Canadians are aware that New Brunswick has been producing natural gas commercially for the last twelve years through the initiative of Mr. Lodge. The City of Moncton has been lighted, heated and powered by natural gas from the Albert county wells. This gas has the greatest calorific power of any gas on the American Continent, and the paying quality of New Brunswick's gas sands is incomparable. To this fact is attributable the growth in the last few years of the city of Moncton. Besides, the quantity is keeping pace with the requirements of that city. The New Brunswick gas and oil fields are also producing considerable high grade oil. At present the Anglo-Peruvian Oil Company, in which the Imperial Government is interested, is working under an option from the parent company, the New Brunswick Gas & Oil Fields, Ltd., and is testing a large area to the north of Moncton for oil and gas. Mr. Lodge, therefore, has no doubts as to the verification of predictions made by Dr. Oliphant and Steery Hunt, that New Brunswick easily will become one of the most lucrative fields on the American Continent, notwithstanding the deposits are so close to the front door that speculators and Canadian capitalists did not have the romantic perspective pertaining to remote areas "at the end of the rainbow."

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