



SCIENCE AND FORESTRY

Elimination of Wood Waste Will Save Country Many Thousands of Dollars

It has been estimated that in converting logs into finished lumber and lumber products, the waste amounts to over 50 per cent. of the bulk of all trees cut for lumber. This is equivalent to an annual loss of from \$10 to \$15 for every man, woman and child in the country. At present, it is impracticable from a financial standpoint to reduce this waste as there is no market for the tree tops, tails and weed-trees left in lumbering operations, and only a very limited one for the bark, slabs, sawdust, edgings and trimmings of milling operations.

The Department of the Interior is recruiting the staff of its Forest Products Laboratories, recently established in connection with the Forestry Branch, with skilled mechanical and chemical engineers and by constant experimentation it is hoped to find a commercial use for these products.

Timber has often been shunned as a structural material because no reliable figures regarding its strength were available, and when complete tests have been made it is regarded as certain that a demand will be created for some of Canada's tree species which are now left in the woods as valueless.

The Forestry Branch of the Department of the Interior, Ottawa, of which these laboratories are one development, has recently issued a circular describing the various lines of investigation to be followed at these laboratories. Not the least important will be to develop chemical methods for utilizing minor wood wastes and another circular written by the engineer in charge of this work deals with the general aspects of the subject. A large percentage of the small-sized waste wood can be utilized by the process known as "destructive distillation," but the machinery employed in this process is not very efficient. The manufacture of ethyl alcohol and producer gas from sawdust has already been proved feasible, and the securing as Superintendent of the Laboratories of John S. Bates, B.A., B.Sc., one of the foremost authorities on wood-pulp manufacture in America, ensures the development of this Branch of Wood Utilization.

FRECKLE-FACE

SUN AND WIND BRING OUT UGLY SPOTS. HOW TO REMOVE THEM.

Here's a chance, Miss Freckle-face, to try a remedy for freckles with the guarantee of a reliable dealer, that it will not cost you a penny, unless it removes the freckles; while the expense is trifling.

Simply get an ounce of othine—double strength from any druggist and a few applications should show you how easy it is to rid yourself of the homely freckles. Othine is a powerful complexion. Rarely is more than an ounce needed for the worst case.

Be sure to ask the druggist for the double strength othine as this is the prescription sold under guarantee of money back if it fails to remove freckles.

NEWS OF FREDERICTON
TWENTY-ONE YEARS AGO

(From The Weekly Herald of Saturday, July 15, 1893.)

A GOOD ONE—A strawberry six inches in diameter was recently picked by Gardener Walker from the garden of Alex. Gibson Sr. at Marysville.

APPOINTMENT—W. H. Boyce of Lincoln, has been appointed to the staff of the Immigration Department of the dominion and began his duties on Monday. His attention will be directed chiefly to New Brunswick.

SALVATION TOUR—The Salvation Army Band of this city, are going on a two weeks' tour of Nova Scotia and Prince Edward Island, leaving there on the 28th. They will be accompanied by Brigadier Jacob.

WHARF LEASES—Last Saturday afternoon twenty-one year leases of six lots of twenty-foot frontage each on Phoenix Square Wharf were offered at auction and were bid in by Sheriff A. A. Sterling and Ald. Duffie at the upset price.

GOOD SALMON FISHING—It is reported that the salmon fishing this year on the Southwest Miramichi River is better than for many years past. The river is swarming with fish and Governor Russell of Massachusetts, and party, who were at Burnt Hill, the best pool on the river, are making extraordinary catches.

A NERVY ACT—The Woodstock Sentinel says that in the horse races at that town the other day D. J. Stockford of this city, did a nervy act. His horse was going at a rapid clip closely passing the leader, when a trace became unhooked and without lessening speed or losing an inch of ground, Dave got on his horse's back, reached down, secured the trace and came in second.

PUT ASUNDER—William and Hannah Hoyt, colored, are no longer man and wife. The strong arm of the law has come between them at William's request and broken the bonds of wedlock. Judge Fraser on Tuesday in the Court of Divorce and Matrimonial Causes, granted a decree of divorce annulling their marriage. The case was begun by William and Hannah did not defend.

GOOD ORDER—The police department of the city are to be congratulated on the good order and sobriety maintained in the city on the Twelfth of July. Although there was a very large number of visitors in the city, there was no fighting or roughness manifested and only one arrest for drunkenness was made.

HANDSOME PAINTING—There is on exhibition in the window of Nelson Campbell's boot and shoe store a large and handsome oil painting of Grand Falls, N.B., which is admitted by everyone to be a perfect likeness of the Falls as seen from the Suspension Bridge. The coloring of the picture is correct and its perspective true. It is the work of Miss Annie Grievies of this city, daughter of J. B. Grievies of the Waverley Hotel. (Miss Grievies is now Mrs. H. E. Dewar of this city.)

HANDSOME RESIDENCE—The new residence now in course of erection at St. Mary's for Walter McFarlane is to be a very handsome building. The carpenter work is under the direction of Mr. Sanderson of this city. A very fine brick cellar has been made and the frame of the house completed and boarded in. The house will have handsome bay windows and verandahs.

NOTHING IN IT—There is a widespread rumor afloat in the city to the effect that the dominion government intend to erect new barracks at Sussex, establishing it as a military centre and removing the R.R.C.I. from Fredericton to that place. Nearly all the military men of this place, are of the opinion that there is not the least foundation for the report.

SALMON IN KILLARNEY—On Wednesday last Mr. McCluskey, son of Inspector McCluskey of the Dominion Fish Hatchery, arrived in the city, bringing with him fifty thousand salmon trout fry, which he said were ordered by Thomas Temple, M.P., to be placed in some stream in the rear of Stanley Parish. Not finding Mr. Temple or any other person on hand to take charge of the fish he had first thought of dumping the whole lot into the river as he could not keep them much longer, but being at the Barker House he thought about Killarney Lake and upon obtaining Mr. Coleman's permission he drove out and deposited the whole fifty thousand in the lake. Future sportsmen coming to Killarney will be able to enjoy good fishing.

AT FOSTERVILLE—Wm. Wilson, ex-M.P.P., returned home Thursday night from Fosterville, North Lake, where he had been attending the Orange celebration there on Wednesday, the 12th inst. The celebration took place at McMunn's Corner on the Maine border, and Mr. Nelson was one of the principal speakers.

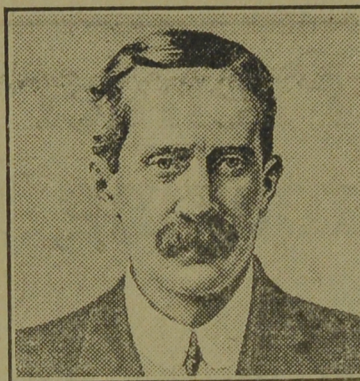
GLORIOUS TWELFTH—The Orange celebration here on Wednesday was very successful. From early morning teams kept arriving from the outlying district, bringing Orangemen and their wives and children so that by ten a.m. Queen street was crowded. The finest of weather greeted the Orangemen. At ten-forty-five a.m. the York County lodges, headed by a barouche containing H. H. Pitts, county master; H. G. C. Wetmore and Odour White marched to the C.P.R. station to meet the visiting Orangemen from St. John. A procession was formed on the arrival of the train and marched in York street and up Queen to the Orange Hall, where it disbanded. In the afternoon the parade was formed at the Curling Rink and traversed the principal streets. J. M. Chappell was director of ceremonies. There were stirring speeches by Rev. Dr. McLeod, H. H. Pitts and Rev. F. C. Hartley.

PERSONAL MENTION—Mr. and Mrs. Harry Phair are in the city on a two weeks' visit from Boston. Sir John C. Allen has returned home from holding the Albert Circuit Court. Mr. and Mrs. Wm. Lemont and Mrs. C. H. B. Fisher are in P.E. Island with their children and will be joined there next week by Mr. Fisher. Mr. and Mrs. Wm. Black of Richibucto, are the guests of Mr. John Black. Mrs. E. H. Allen and children are visiting in Antigonish, N.S. F. P. Robinson and Mrs. Robinson are home from Pennsylvania, and are visiting Col. Beverley Robinson at Nashwaak. Mr. Robinson is superintendent of a railway and iron company and will return to his duties early in August.

Wood's Phospholine, The Great English Remedy. Tones and invigorates the whole nervous system, makes new blood in old veins. Cures Nervous Debility, Mental and Brain Worry, Despondency, Loss of Energy, Palpitation of the Heart, Failing Memory. Price \$1 per box, six for \$5. One will please six will cure. Sold by all druggists or mailed in plain pkg. on receipt of price. New pamphlet mailed free. THE WOOD MEDICINE CO., TORONTO, ONT. (Formerly Windsor.)

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USES THEM

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J. W. HAMMOND Esq.

SCOTLAND, ONT., Aug. 25th, 1913 "Fruit-a-tives" are the only pill manufactured, to my way of thinking. They work completely, no gripping whatever, and one is plenty for any ordinary person at a dose. My wife was a martyr to Constipation. We tried everything on the calendar without satisfaction, and spent large sums of money until we happened on "Fruit-a-tives". I cannot say too much in their favor.

We have used them in the family for about two years and we would not use anything else as long as we can get "Fruit-a-tives".

Their action is mild, and no distress at all. I have recommended them to many other people, and our whole family uses them.

J. W. HAMMOND. Those who have been cured by "Fruit-a-tives" are proud and happy to tell a sick or ailing friend about these wonderful tablets made from fruit juices. 50c. a box, 6 for \$2.50, trial size 25c. At all dealers or sent on receipt of price by Fruit-a-tives Limited, Ottawa.

OLDEST RAT CATCHER.

William A. Heitler, the oldest rat catcher in New York, is dead. He was one of the three best known rat catchers in the world, the others being Henri Dayve of Paris, called the "King of Rat Catcher," in 1870, and Harry Jennings, called "Dick the Rat," who came to this city in 1838. Heitler is said to have captured more than half a million rats during the last forty-five years. He caught the rats with his bare hands or a pair of tongs. One night at the old Willard Hotel in Washington he caught nine hundred and six, and once on a bet he captured eighty-seven in an hour. Like other famous rat catchers, Heitler would never divulge the secret of his ability to catch rats.

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(Via Windsor and Michigan Central)

No. 19.	No. 21.
8.45 a.m., Lv. Montreal, 10.00 p.m.	5.40 p.m., Ar. Toronto, - 7.35 a.m.
8.45 " " Woodstock, 10.35 a.m.	9.25 " " London, - 11.45 a.m.
11.35 " " Detroit, - 1.30 p.m.	7.45 a.m., Ar. Chicago, - 9.05 p.m.

Trains consist Library-Compartment, Observation, Buffet and Dining Cars, Standard and Tourist Sleepers.

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Half-Price Sale

Trimmed and Untrimmed Hats, Flowers and Fancy Feathers going at Half Price. A chance to secure a fresh hat to finish out the season for a little money.

Stock All New and Up-to-Date.

The MISSES YOUNG

HALF-PRICE SALE of
Ladies' and Children's Summer Dresses

During the next few Days we will clear a lot of Our New and High Class DRESSES in Voil, Ratine, C epe, etc at HALF-PRICE.

We will have lots of warm weather yet, therefore be around early for the Greatest of Bargains.

Special lot of WASH SKIRTS in Repp and Bedford Cord at 98c each. NEW SILK DRESSES.

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-A-20th Century
Sherlock Manning

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SELLS THEM

CLEARING SALE of
BABY'S HAMBERG HOODS

Hoods from 35c to 75c. To Clear at 25c.
Hoods " 65 to \$1.25. " " 50c.

All Trimmed Hats at Greatly Reduced prices
Linen and Peanut Hats for Outing and Picnics.

Miss Morgan YORK STREET

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to the Pitts Building 68 York Street
Up One Flight.

All the Latest Goods to Pick From.

Clothes Cleaned, Pressed and Repaired.

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20 ft. CABIN CRUISER

Motor Boat Supplies - Motor Boat Repairing
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.. FUN ..

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Kodaks \$7.00 to \$25.00.

Brownies \$1.00 to \$12.00.

The McMurray Book and Staty. Co. Ltd

This Store Closes each Thursday at one o'clock during July and August.

John J. Cain

Painter and Paper Hanger

674 King Street

River Steamer Victoria

Until further notice, the steamer Victoria will leave her wharf Fredericton for St. John every Monday, Wednesday and Friday morning at 7.30 o'clock returning on alternate days, leaving St. John at 8 a.m.

Dinner on Steamer - 50c.

ROBERT SCOTT

Manager

There are two million industrial accidents annually in the United States entailing loss in earnings of approximately \$10,000,000.

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