

The Planet

DAILY AND WEEKLY
Chatham, Ont.

IN DEFENCE OF WOOD PAVEMENTS.

Some interesting experiments have recently been made at Lafayette, Ind., of the healthfulness of various kinds of street pavements, with regard to which an interesting article by Daniel B. Luten and Severance Burrage, instructors in civil engineering and sanitary science at Purdue University, appeared in a recent number of the Engineering News.

They preface the results of their analysis by saying:—"There exists a popular prejudice against wood pavements on the ground that they are unhealthful. This prejudice appears to be based on the reports of several investigators who have analyzed samples taken from the surface of pavements and found the wood block samples teeming with germs, whereas asphalt and brick were practically free from them. There seems to be one element that has not been taken into account by these investigators, they have drawn their conclusions on the basis that the most unhealthful pavement is the one that contains, or retains, the greatest number of germs. This inference is perhaps rather hasty, for it must be admitted that the pavement is the most unsanitary, which transmits or allows to be transmitted, the greatest number of germs to the human system. And it is possible that the pavement that contains or holds the greatest number of bacteria may not be unsanitary, provided it retains them, and does not permit them to escape into the air."

The pavements tested were five different varieties: Round cedar block, brick, sheet asphalt, block, and Macadam. The cedar block was eleven years old, badly worn, and was in about as bad condition as it could be. The foundation was of gravel and plank. The blocks were round, with the interstices filled with gravel and sand. The brick pavements were from three to five years old, of No. 1 pavers and concrete base, and grouted with cement grouting. The wear had been very slight, and the pavements were in excellent condition. The asphalt blocks were laid in the fall of 1899 on four inches of concrete and grouted with sand. The sheet asphalt was laid in 1899. The macadam pavements were all in bad repair and very dusty.

The experiments were made by placing 4-inch Pastern dishes, containing films of sterilized agar for exactly ten minutes at the height of five feet above the pavement. The various exposures were made under conditions as nearly similar as possible.

The result of the observations on eleven different dates gives:—Asphalt, 195 to 980, or an average of 480 colonies of bacteria; wood, 147 to 1,180, an average of 630; brick, 99 to 1,950, average of 870; sheet asphalt, 65 to 2,850, average of 1,030; and macadam, 147 to 11,250, an average of 3,358 colonies.

The experts say:—"The asphalt block gives decidedly low figures on all occasions, but the number of tests on this pavement was necessarily limited because of the fact that that pavement was not open to traffic until after the investigation was nearly completed. It is quite clear, however, that the charge of unhealthfulness commonly made against wood block pavements receives no support or confirmation from these experiments."

"Now, as to the conclusions, that may be safely drawn from these observations. The unhealthfulness of wood block pavements from a sanitary point of view has been proved by previous investigators, an investigation that analyzes the pavement itself, and not the refuse from the pavement, cannot be relied on to measure the unhealthfulness of the pavement, the most impervious pavement is not necessarily the most sanitary pavement. The writers firmly believe that the unhealthfulness of a pavement depends, not upon the power that a pavement may have to retain and breed germs, but upon the ease with which the dust, including bacteria, is stirred from its surface by the wind; and that clouds of dust arising from the pavement are sure indications that clouds of germs are also escaping into the air."

LIBERALS AGAIN SWEEPING QUEBEC.

As a result of the nominations for the legislature, which took place on Friday, throughout the Province of Quebec, thirty-one supporters of the Parent government (Liberals) have been elected by acclamation. There are 73 seats in the legislature, so that the Liberals have carried a considerable proportion of the total representation without opposition. All the members of the Parent government were elected by acclamation, the Premier, Mr. Parent, in St. Sauveur; Mr. Duffy, in Bromes; Mr. Turgeon, in Bellechasse; Mr. Duchene, in L'Islet; Mr. Gouin, in St. Louis division of Montreal; and Mr. Gouin, in St. Anne's of Montreal.

The Liberals carried four out of the six divisions of the city of Montreal, and two out of the three divisions of the city of Quebec.

In addition to the thirty-one constituencies for which members were returned without opposition, there are forty-two seats. The Conservatives

"No Eye Like the Master's Eye."

You are master of your health, and if you do not attend to duty, the blame is easily located. If your blood is out of order, Hood's Sarsaparilla will purify it.

It is the specific remedy for troubles of the blood, kidneys, bowels or liver. Heart Trouble—"I had heart trouble for a number of years and different medicines failed to benefit me. I tried Hood's Sarsaparilla and three bottles completely and perfectly cured me." Mrs. C. A. Flynn, Wallace Bridge, N. S.

A Sufferer—"As I had lost five children with diphtheria I gave my remaining two children Hood's Sarsaparilla as they were subject to throat trouble and were not very strong. They are now healthier and stronger and have not since had a cold." Mrs. W. H. Plummer, Pembroke, Ont.

Hood's Sarsaparilla
Never Disappoints

Hood's Pills cure liver bile, the non-irritating and only cathartic to take with Hood's Sarsaparilla.

have nominated candidates and are putting up a fight in thirty-four of these. In five the fight is either between two Liberals or a Liberal and Independent, and the nominations in three constituencies, Chicoutimi and Saguenay, Gaspé and the Magdeleine Islands, will take place at a later day. The probabilities are that the Liberals will have a larger majority in the next legislature than they had in the last one, in which they held 53 out of the 73 seats. If the Conservatives manage to hold their own on December 7th, when the elections will take place, they will be doing remarkably well.

Mr. Flynn, the leader of the Quebec Conservatives, was nominated in Nicolet county. Mr. Flynn, who represented Gaspé in the last legislature, is a stranger to the county, but as it returned a Conservative at the recent Dominion election, it is hoped that Mr. Flynn will be able to carry it.

Amongst the Conservative candidates, are some tried men, such as Messrs. Flynn, Atwater, Leblanc, Nantel, Hackett, and Pelletier, whose absence from the legislature would be a distinct loss to the province. The Liberals are making a dead set against some of these men, with the hope of stifling free criticism of their schemes in the next legislature.

SCROFULA

is "bad blood." A little break of the skin becomes a sore; you come to have a good many perhaps. There are other manifestations of scrofula.

This is the plain one.

There is a germ to be killed.

You kill it with vital force.

What is that?

It's the power that life has.

Full life is strong; scant life is weak.

Take Scott's emulsion of cod-liver oil, to cultivate life.

Abounding life is, perhaps, the cure of all diseases.

We'll send you a little to try if you like.

SCOTT & BOWNE, Chemists, Toronto.

Before After Wood's Phospholine

Wood's Phospholine is sold in Chatham by all druggists.

Christmas Cake

Orders should be placed early—Christmas is but a few weeks away; and this season we will double last year's sales. First, because our customers last year were delighted, and found our Cake as good, in fact better, than represented. Secondly, because we bought our fruit largely at inside figures before the last tremendous jump in prices, enabling us to sell at last year's price, 25c per lb.

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Bow Park
BACON
ALL DEALERS SELL IT.

Minard's Liniment—Lumberman's Friend.

A PROPOSED TUNNEL.

George H. Murphy, consular clerk at Magdeburg, Germany, reports that Mr. Berlier, the French engineer, who has proposed a tunnel under the Gibraltar straits to the governments of Spain and Morocco, declares that the plan presents no greater obstacles than were encountered in the building of the tunnels of Mount Cenis, St. Gothard and Arlberg. On the other hand Mr. Murphy states that the ventilation of a submarine tunnel and removal of the constantly accumulating water are very formidable and expensive obstacles to be dealt with. Nevertheless Mr. Berlier believes that by a secret process of his own he can grapple with these difficulties, and keep the cost of the work at a figure not exceeding that required in the enterprises at St. Gothard and Arlberg, or Simplon. By working simultaneously from both ends of the tunnel he believes the date of the completion could be safely placed at 1907.

The proposed length of the tunnel is 25 miles, 20 of this under the sea. The entire cost is estimated at over \$23,000,000.

The French newspapers say that Mr. Berlier has over-estimated the earning power of the road, and that it seems hardly credible that the passenger and freight traffic between France and Algeria could be diverted to this indirect and expensive route.

The Rev. C. M. Sheldon makes the interesting announcement that if Christ were living now he would play cricket, but not football. Mr. Sheldon evidently wants to get in a scrimmage with somebody over something he knows nothing about.

Over at St. Joseph, Michigan, the peach growers are in alarm over a peach tree pest. Little white insects with red heads invade the orchards and cover the trees with tiny holes and the trees die for lack of nourishment.

Rev. A. J. Bachmann, of Schaefers-town, Pa., has for twenty-two years presided over seven country churches. During his administration he had married 1,174 people, baptised 1810 infants and 200 adults, preached 3,742 sermons, lectured 1800 times, officiated at 977 interments, paid 23,116 pastoral calls, travelled 60,000 miles to meet his appointments, has contributed \$5,812 for benevolent objects and \$25,000 for congregational purposes.

The Buzzer-News has a couple of columns about Dr. Drummond, the Canadian author, and "his most famous poem, the Wreck of the Julie Plante." Now, George C. Rankin avers that that poem was written by a Detroit newspaper man, since dead. As Dr. Drummond's reputation as a poet appears to rest largely on it it would be interesting to turn up the files of the Detroit-papers of 20 years ago and see if the poem is there. Dr. Drummond is credited with its authorship about 15 years since, so that if it were in existence before then Mr. Rankin may know something of what he is talking.

IT IS WAR.

Philadelphia Ledger. Kitchener is carrying desolation into the Transvaal, but in our own civil war, it will be remembered, there was a time when a crowd could not fly across the Shenandoah Valley without taking his rations with him.

GOVERNED BY MUSTY PRECEDENTS.

Windsor Record. If there was a little more common sense displayed by our judges and less sticking to "precedents" and judicial hair-splitting, the results, we are convinced, would be more satisfactory. On the most common-place affairs we find judges all over the land taking different views, and a noticeable thing, they are able to quote columns of precedents to sustain their opinion.

FORGIVE AND FORGET.

"Forgive and forget! why the world would be lonely. The garden a wilderness left to decay; If the flowers but remembered the chilling winds only, And the fields gave no verdure for fear of the storm! Oh, still thy loveliness emblem the flower. Give the fragrance of feeling to sweeten life's way; And prolong not again the brief cloud of an hour. With tears that but darken the rest of the day!"

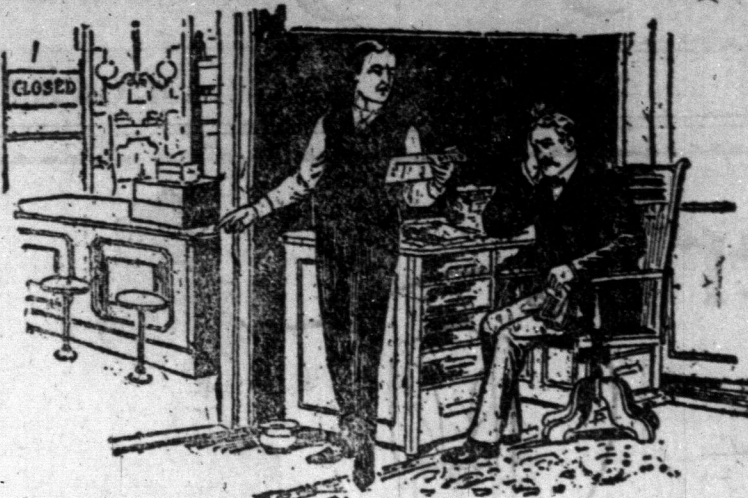
"Forgive and forget! there's no breast so unfeeling. But some gentle thoughts of affection there live; And the best of us all require something concealing. Some heart that with smiles can forget and forgive! Then away with the cloud from those beautiful eyes, That brow was no home for such frowns to have met; Oh, how could our spirits e'er hope for the skies? If Heaven refuse to forgive and forget."

—Charles Swain.

THE HARD PART.

Von Blumer—"What's the matter? You look sad." Dimpleton—"I feel sad. This morning I deceived my wife for the first time." "Oh, is that all? Pooh! You'll recover. Don't let that worry you." "But it does, old man. She caught me at it."

WHY BUSINESS MEN FAIL.



A man's physique must be most powerful to stand the strain his business puts upon it. If the nerves are out of order, power of concentration gone, and heart unsteady, failure is pretty sure to come. Disease germs undermine the system.

POWLEY'S LIQUIFIED

OZONE

Will destroy the germs by strengthening the organs of the body. It will prevent or stop the chemical combination of the disease germs with the animal cells of your system. That is the way Ozone acts. It nourishes the body with concentrated oxygen, nature's great life-giving principle.

Powley's Liquified Ozone is \$1.00 a large size bottle, 50c small bottle. All druggists or from the laboratories of the Ozone Company of Toronto, Limited, 48 Colborne street, Toronto.

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Has secured a FIRST-CLASS OPTICIAN, and has placed in stock a full line of

SPECTACLE FRAMES

IN GOLD FILLED AND LUMINAL.

EYES TESTED FREE!

POLITE HORSES.

Occasionally an English writer needs editing. Witness the following taken from a prominent London magazine, the writer being in the midst of a description of the Queen's garden party:—"Presently Lord Pembroke and Sir Ponsonby Fane managed that the vast course of men and women in the grounds should form two long lanes, and between them the Queen and Princess passed slowly in their carriages, drawn by two grays, bowing right and left."—Philadelphia Ledger.

"Salt rheum, with its burning, stinging sensation, is due to poor blood and is cured by Hood's Sarsaparilla, the great blood purifier."

Remember that what you believe will depend very much upon what you are.—Noah Porter.

Diphtheria and scarlet fever cannot spread where Vapo-Cresolene is used. All Druggists.

In this world it is not what we take up, but what we give up, that makes us rich.—H. W. Beecher.

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A trial will convince you that our stock and prices are right.

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Christmas Furniture

WE have received a large assortment of round and oval Tables, Sideboards, Bedroom Suits, Rocking Chairs, Cabinets, etc., suitable for holiday presents. Owing to the large demand for this class of goods during the holidays, we frequently find ourselves out of special lines that we are unable to re-order in time for Christmas and we would suggest if you intend making such purchases to call at once and make your selection. Your purchases will be put aside for you until the holiday. You can get what you want now and can save money by buying while we have plenty of time to serve you properly.

Hugh McDonald

King Street, Chatham

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The Woolen Mills

Are Offering LADIES' DRESS GOODS

Homespun, Fringes, Flannels, etc., in the latest designs, shades and effects; also Mantlings, Blanket Goods, etc. SEE THEM before purchasing. We are offering Blankets, Sheetings, Shirtings and Yarns, all new goods of this year's clip.

For Gentlemen

We have the latest and noblest suitings, Trimmings, etc., from the finest. Worsted to the cheapest, Canadian Full Cloths. Prices to suit the times.

Beaver Flour THE CHEAPEST because it is THE BEST on the market. Bran, Shorts, Crushed Oats, Corn or Barley.

FARMERS try our new chopping device. It grinds your grain RIGHT and STOCK do better on this chop.

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Mortgage Sale

City Property

Under and by virtue of the power of sale contained in a certain mortgage, which will be produced at the time and place of sale, there will be sold by public auction, at the Grand Central Hotel, in the City of Chatham, in the County of Kent, on

SATURDAY, DECEMBER 8TH, 1900

at the hour of twelve o'clock, noon, by Messrs. McCaig & Harrington, auctioneers, the following freehold property:

All and singular those certain parcels or tracts of land and premises, situate, lying and being in the City of Chatham, in the County of Kent, being composed of Lots numbers Eighteen, Nineteen, Twenty-one and Twenty-two of the Subdivision of Park Lot number Six, according to plan number Forty-one, made by Walter Crowe, P. L. S., and being in that part of the City of Chatham called Chatham North, formerly part of Lot number Twenty-Four in the First Concession of the Township of Dover East in the County of Kent.

This property will be sold subject to a reserved bid.

The title is perfect.

TERMS OF SALE.

Twenty per cent of the purchase money to be paid at the time of sale and the balance within fifteen days thereafter without interest.

For further particulars and terms and conditions of sale apply to W. F. SMITH, Vendor's Solicitor, Chatham, Ont.

Or to MESSRS. MCCAIG & HARRINGTON, Auctioneers, Chatham, Ont. - dwtd

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