

How Asphalt Is Prepared.

Interesting Process Witnessed at the Barber Company's Refinery.

Corner of Adelaide and Bathurst Streets
—May Permanently Locate Here
—The Weekly Pay Roll
Runs High.

While the work of laying the asphalt pavement on London's streets is interesting, it is no more so than another branch of the work—the refining of the material. The Barber Company, since they secured the contract here, have erected a refinery at the corner of Adelaide and Bathurst streets at a cost of several thousand dollars, and about to move there busily engaged preparing the mixture for the streets. The weekly pay roll is about \$1,000. On visiting the place a person's attention is first attracted by a huge pile of asphalt, in its crude state, just as it appears when taken out of the lake. Already 600 tons of this crude asphalt has been delivered here.

When the crude asphalt is picked out of the big pile, it is carried by means of elevator buckets up to the top of the building, where it is thrown into three large melting tanks, each of which hold about 2,000 pounds. These tanks are fitted with a number of steam coil pipes, and as soon as the asphalt is placed in them the steam is turned on, and the refining process begins. About the only foreign substance in the crude asphalt is water, but nearly 25 per cent of the entire weight is made up by the latter. In order to extract the water the steam is heated to a temperature of 350 degrees, and kept at that point until it is taken out and dumped into the mixing machine. When the water is extracted, residue to the extent of 50 per cent of the refined asphalt is placed in the tanks, and both are thoroughly mixed by means of automatic air pumps, which keep the contents of each tank continuously agitated. The mixture makes what is technically known as asphaltic cement.

While the crude asphalt is being thus treated, several other men are engaged in putting together quantities of fine, sharp sand through a couple of immense furnaces, which are kept continually revolving in the midst of blast furnaces, and out of which the sand comes heated to a temperature of 350 degrees. It is carried by means of chain elevators up to the second floor. At a convenient location in this second floor is the mixing machine, in which the asphaltic cement is added, together with a small proportion of stone dust. These three substances are thoroughly mixed at a heat considerably over 350 degrees, and then shot down into the wagon. This is repeated until the wagon is loaded, and the stuff is delivered on the streets wherever required at a temperature still of over 300 degrees. The top dressing is composed of about 7 per cent of stone dust, which has to be imported here, 80 to 90 per cent of sand and the balance asphaltic cement.

London will be the permanent Canadian headquarters of the company, which will probably give steady employment to a number of men here.

WISCONSIN CYCLONE

Does Several Hundred Thousand Dollars Worth of Damage.

Milwaukee, Wis., Sept. 24.—Yesterday's storm was the severest experienced in Wisconsin for years. In the towns of Pleasant Valley and Clear Creek, near Eau Claire, a number of buildings were blown down in a small cyclone, entailing a loss of about \$25,000. At Oconto many trees were uprooted and many buildings blown down. At Merrill the buildings on the Fair grounds were demolished. The loss will be fully \$20,000. At Menominee over 100,000 feet of lumber were blown into the river and drifted away. Reports from Whitehall, Arcadia, West Superior, Spencer, Marinette and many other places report much damage. It is estimated that the losses will amount to several hundred thousand dollars.

APT QUOTATION.

The old Tate and Brady version of the Psalms used to be as familiar to a former generation as was the Catechism. A good story was told not long ago of two noted Englishmen, Lord Palmerston and Bishop Wilberforce, in which the once popular Psalm-Book plays an important part.

These two eminent personages were visiting at a country house. On the morning of departure they were told that carriages were ready to take the departing guests to the railway station. Palmerston asked to see one of these carriages, as he feared there would be rain; but the bishop, who was a great pedestrian, preferred to walk. Before he had proceeded half way to the station a heavy shower of rain came on; yet the good bishop struggled on, when the carriage containing Lord Palmerston overtook him, and his lordship called out from its windows a part of the first verse of the Tate and Brady version of the First Psalm: How blest is he who never consents.

By ill advice to walk.
But Bishop Wilberforce, with the usual twinkle in his eye, replied with the rest of the verse:
Nor stands in sinners' ways, nor sits Where men profanely talk.
And the bishop drew to one side, and proceeded to walk on.

NEW ZEALAND has a kind of green parrot called kea that attacks sheep, and is held up by evolutionists as one of the most striking instances of rapid adaptation on record. Mr. Wallace has argued that it deserted the forests and its natural food of berries, first for the pickings of the slaughter house, then for the live sheep, and finally, by an extraordinary refinement, it now only strikes for the delicate fat around the sheep's kidneys. A New Zealand sheep farmer has lately brutally demolished this fable. The kea, he says, is only found above the forest line, and does not feed on berries, but on the lichens on stones; it did not train itself to eat meat, but probably only took to it by accident, mistaking the long hair of unshorn sheep for lichen. It never touches the kidney now, but only wants blood, and strikes sheep far back, not to reach a special delicacy, but because the sheep cannot reach it there. The only fact left to the evolutionists is that the parrot sometimes kills sheep.

To know "ODOROMA" and to use it is evidence of good taste. ywt

Does your house, barn or woodshed need shining? If they do, go to Bowman & Co., corner Clarence and Bathurst, where they sell good shingles at \$1.75 per 1,000. Lath 15c per bundle, and cedar posts at 14c each. ywt

WHERE SOCIALIST FAILED.

Disastrous Results of an Experiment Conducted in Australia.

(From the New York Sun.)
The French Foreign Office has recently issued a report on a socialist experiment begun two years ago in Paraguay. The Paraguayan Government conceded to a colony of discouraged Australians just gone through the panic of 1893 a rich tract of 900 square miles on the river Tibiquari, upon condition that within six years 1,200 immigrant families should be settled there. Colonists presented themselves in large numbers, and \$150,000 was raised in subscriptions of \$500 each. Any colonist withdrawing from the scheme was to lose all. The settlement was baptized New Australia in advance. The colonists arrived upon the ground in September, 1893, and found themselves in a wilderness. Tibiquari proved to be a miserable little stream, dry half the year and in the wet season navigable only in flat boats.

Equality of pay for all was a principle of the organization, and each was to live upon the goods of the community. The abolition of all authority was declared by the constitution of the colony, but the managers took upon themselves the right to regulate the community and to exclude without the formality of a vote drunkards and idlers. They also surrounded themselves with a strong police force.

The colony at once divided itself into two camps. One supported the manager, though very moderately intelligent, old man that had made himself master of the colony. The other, made up of dissidents, eventually quit the colony and returned to Villa Rica, the port of embarkation. This took 55 persons from the community. They reported that mutual fear and incessant strife made New Australia an inferno rather than a paradise. The dissidents were on the point of returning to Australia in great distress when the Paraguayan Government conceded to them a new territory in the department of Gonzales. Here they began to prosper, though with very small regard to the original principles of the colony.

Meanwhile there has occurred a social and schism in the colony at New Australia. This time the director yielded to the schismatics, and with 50 companions, settled in another part of the colony. What was left of the original colony was a prey to continual bickering, and in September, 1894, 25 colonists went to Buenos Ayres, where they became a charge upon the public charities. Those left behind recovered from the community and dropped the socialist features. They chose for leaders the men they took to be the most intelligent and broad-minded, and settled down with the determination to succeed by the use of the best agricultural methods without attempting to present to the world a society formed upon the socialist ideal.

THE FALL FAIRS.

Annual Exhibitions of the Leading Agricultural Associations—Where and When They Will Be Held.

Secretaries of agricultural societies whose exhibitions are not mentioned in the following list are requested to forward the dates to the "Advertiser":

Huron Central, Clinton	Sept. 24-25
St. Catharines, Ontario	Sept. 24-25
St. Catharines, Ontario	Sept. 24-25
West Middlesex, Stratford	Sept. 24-25
Milton, Mornington	Sept. 24-25
Paisley, Center Bruce	Sept. 24-25
Cayuga, Hamilton	Sept. 24-25
Berlin, North Waterloo	Sept. 24-25
St. Marys, South Perth	Sept. 24-25
Chatham, Peninsular	Sept. 24-25
Woodstock, North Oxford	Sept. 24-25
St. Marys, South Perth	Sept. 24-25
Clinton	Sept. 24-25
Warton, Annapolis and Albemarle	Sept. 24-25
St. Marys, South Perth	Sept. 24-25
Leamington, Mersea	Sept. 24-25
Peel County, Brampton	Sept. 24-25
Stratford, North Perth	Sept. 24-25
Alisa Craig, Northern	Sept. 24-25
Moss and Elfric, Glenora	Sept. 24-25
Brussels, East Huron	Sept. 24-25
Seaford, Tricestersmith	Sept. 24-25
Wyoming, Union	Sept. 24-25
Dayton, Vienna	Sept. 24-25
St. Catharines, Ontario	Sept. 24-25
Tara, Arden-Tara	Sept. 24-25
Kincardine	Sept. 24-25
Jarvis, Walpole	Sept. 24-25
Granville, Biddulph	Sept. 24-25
Mitchell	Sept. 24-25
Thamesville	Sept. 24-25
Paris, North Brant	Sept. 24-25
Georgetown, South Simcoe	Sept. 24-25
Warkenton, Northern	Sept. 24-25
Goderich, Great Northwestern	Sept. 24-25
Hamilton Central	Sept. 24-25
Essex, Great Northwestern	Sept. 24-25
Alvinston	Sept. 24-25
Clinton	Sept. 24-25
Stayner, North Simcoe	Sept. 24-25
Westminster, Ag. Soc. Lambeth	Sept. 24-25
Kilns Branch, Ag. Society, Lockport	Sept. 24-25
Flora, Center Wellington	Sept. 24-25
Fergus, Center Wellington	Sept. 24-25
East, South Waterloo	Sept. 24-25
Waterford, Townsend	Sept. 24-25
Bethwell, Zone and Bethwell	Sept. 24-25
Abercrombie, Fushling	Sept. 24-25
Glendale, South Norfolk	Sept. 24-25
Springfield, South Dorchester	Sept. 24-25
Stella, Hibbert	Sept. 24-25
Ridgeway, Howard Branch	Sept. 24-25
Kintore, East Nisour	Sept. 24-25
Morris Agri. Society, Bytham	Sept. 24-25
Elizabethtown, Leitham	Sept. 24-25
Carleton Place, Mount Brydges	Sept. 24-25
Oran	Sept. 24-25
Chippewa Indian Ag. Soc., Carleton Place	Sept. 24-25
Comber, Tibury W. and N.	Sept. 24-25
Elizabethtown, West Simcoe	Sept. 24-25
Burford, Burford	Sept. 24-25
Port Egin, North Bruce	Sept. 24-25
Rockwood, Fergus	Sept. 24-25
Calabrook	Sept. 24-25
London Township, Hinton	Sept. 24-25
Agri. Soc. of Delaware	Sept. 24-25
Simcoe, North Union	Sept. 24-25
Barrow, Colchester South	Sept. 24-25
Orford	Sept. 24-25
Highbate, Highbate	Sept. 24-25
Brin	Sept. 24-25

There was a fire in a public house, and the firemen were busy trying to put it out. An impecunious Irishman, who had been drinking on "tick" but as a friend, a Mr. play on the shanty!

EASY HOME DYEING

It is now possible for an inexperienced person to dye cotton, wool, silk, feathers, etc., a black that will not crack, fade or wash out if you use

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WELLS & RICHARDSON CO., Montreal.

EIGHT BATHERS DROWNED.

Chicago, Ill., Sept. 24.—Eight boys and young men perished in the lake on Sunday afternoon. Six young men went out on the lake off Lawrence avenue, Lakewood, in a boat. When 800 feet from shore all of them took off their clothes and jumped into the water. A big wave came rolling shoreward while they were swimming around the boat and swept them under. Two other fatalities occurred at the same hour off Hopedale avenue, in the year and in the west swimming when a towering wave broke over them, carrying them under.

Cardinal Vaughan has been accused of appropriating the arms of the see of Canterbury. The arms conferred upon him by Pope Leo are the historic arms belonging to all British Archbishops, a crozier surmounted by a pall; as the field of the Protestant sees is azure, that in the arms given to Westminster is gules.

My Baby

was a living skeleton; the doctor said he was dying of Marasmus and Indigestion. At 13 months he weighed only seven pounds. Nothing strengthened or fattened him. I began using Scott's Emulsion of Cod-liver Oil with Hypophosphites, feeding it to him and rubbing it into his body. He began to fatten and is now a beautiful dimpled boy. The Emulsion seemed to supply the one thing needed.

Mrs. KENYON WILLIAMS,
May 21, 1894. Cave Springs, Ga.
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Don't be persuaded to accept a substitute! Scott & Bown, Belleville, 80c and \$1.

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Will Be Glad to See You.

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decline may be arrested before decay's strength may be restored; powers when impoverished by youth's reckless overdrifts may be reinvigorated by our home treatment.

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never has its citadel in the breasts of those who have weak, shrunken, undeveloped or diseased organs. The evil that men do through ignorance in boyhood and errors of early manhood leaves wasting effects.

RESTORED

to vigorous vitality you might be successful in business, fervent in spirit. Our curative methods are unfailing. Write for our book, "PERFECT MANHOOD," sent free sealed.

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Is It Life or Death?

A Critical Time!

DECIDE NOW.

Many are suffering needlessly.

The New Medicine—

Edwards' Nervine

Just What You Want.

Simple, harmless, effective. For diseases arising from the Liver or Kidneys.

A Quick and Wonderful

Blood Purifier.

At all druggists and dealers.

Take No Other as a Substitute,

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Sample on application.

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ALL NEW.

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BRITISH MEDICAL JOURNAL.

The Mail and Empire

OF TORONTO,

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is not the condition of an enlightened man. The mind may still be narrow, dull and hard, uninformed as to the great world and familiar only with its own "neck of woods." The movements of society, the vicissitudes of nations, the progress of arts and sciences, have all but slight interest for it. Such a man cannot apprehend

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Of development and success. How different is it with the man of wide and well-directed reading, such as may be had in the ranks of our Home University. He grows well-informed and cultured. He is ready in resources and competent for new enterprises. His mind has proper

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SS. MAJESTIC, Sept. 18, 4 p.m.
SS. GERMANIC, Sept. 19, 11:30 p.m.
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VIA

MICHIGAN CENTRAL

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CHICAGO.....\$ 8 00

CINCINNATI.....4 50

CLEVELAND.....5 00

DETROIT.....2 00

GRAND RAPIDS.....6 00

ST. PAUL.....33 00

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On Oct. 3, 4 and 5, good to return until Oct. 21.

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Twin service, 2nd class steamships, sailing every Wednesday at 11 a.m.

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