

THE COMMERCIAL

FINANCE AND INSURANCE REPORT

Subscription, \$2.00 per Annum in Advance.

Established 1832.

Published Weekly.

20

WINNIPEG, CANADA, APRIL 5, 1902

No. 31

We Have

Pumps Good Pumps

...
 Ink Pumps
 Airing Force Pumps
 Ink Pumps
 Well Stand Pumps
 Iron Set Length Pumps
 Force Pumps
 Castern Pumps
 Top Pitcher Pumps.
 All with seamless drawn brass cylinder valve seats have the latest and most improved pumps on the market. Write for catalogue and prices if you want the best.

Wick, Anderson & Co.
 WINNIPEG, MAN.

LOUR

HIGHEST AWARDS at home and abroad:
 WISCONSIN EXPOSITION
 PARIS EXPOSITION.

WISCONSIN BAY COMPANY



INCORPORATED AD 1870
 Flour manufactured by the Hudson Bay Company has received the Prize at the Paris Exposition and highest awards at the Winnipeg International Exhibition. All the flour made by this Company is from specially selected.

WISCONSIN BAY COY



TENTS, FLAGS AND
 ROLLER AWNINGS
**EMERSON-HAGUE
 MANUFACTURING CO. LTD.**
 WINNIPEG.

CODVILLE & CO.

Wholesale Grocers.



Packers of—

CELEBRATED GOLD STANDARD TEAS
 Coffees, Baking Powder and Spices.
BANNATYNE AVE. E., WINNIPEG.
 Branches: BRANDON and CALGARY.

BROMLEY & CO.



Tents
 Awning and
 Mattress
 Factory

Cor. Princess and Alexander St., Winnipeg

TOOLS, Skipping Ropes, Rubber Balls, Marbles, Cloth Brushes, Whisks, Brooms, Pipes, Alarm Clocks, Jewellery, Cutlery and a full assortment of Smallwares.

WHOLESALE ONLY.

J. McLEOD HOLIDAY
 173 McDermot Ave. Winnipeg.
 Direct exporters of SENECA ROOT.
 Write for quotations.

Thomas Ryan & Co. Ltd.

We are carrying an immense stock of

BOOTS AND SHOES

For the Spring and Summer trade. Our motto is good stock and close prices. Orders respectfully solicited.

THOMAS RYAN & CO. Ltd.
 King and Bannatyne Sts., Winnipeg

School Shoes

Are one of our specialties. This is one of them.



Solid, strong, serviceable—the kind that's wanted.

THE AMES HOLDEN CO.
 WINNIPEG.

Immediate orders shipped the same day as received.

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Our Smallware Department

Has passed into stock a shipment of Ladies' Belts and Ladies' Neckwear—the very latest styles and in all leading shades. Nothing more dainty in Neckwear has ever been shown in the west. To retail from 35c to \$1.00.

We have Belts in Leather (black or color), Velvet, Silk and Beaded Elastic, to retail from 35c to \$1.00. We have also received another delivery of Hair Goods, consisting of Side Combs, Pompadour Combs, Back Combs, Hair Slides, etc.

Now is the time to sort up your stock with these goods. Send us your letter orders. They will receive prompt and careful attention.

The Gault Bros. Co. Ltd.

IMPORTERS AND
 MANUFACTURERS
 WINNIPEG

READY-TO-WEAR DEPARTMENT

FOR SPRING AND SUMMER

Girl's Blouses from \$5.00 up.
 Girl's Dresses from \$4.00 up.
 Boy's Blouses from \$3.50 up.

In a large assortment of Wash Fabrics, in all children's sizes. Your customers are already asking for them. Better get a few of each, and see how quick they'll sell.

Ladies' Blouses

You will find all the latest and most desirable lines shown here. Choice materials, good-selling and good-wearing qualities at closest prices recommend them.

You'll make no mistake in putting your blouse order in our hands.

For anything else, such as Wrappers, Over Skirts, Under Skirts, and Whitewear for Ladies and Children, we have a big variety to pick from.

Remember: Every order receives the greatest care and attention and is shipped promptly. Write to-day.

R. J. Whitla & Co.

LIMITED

IMPORTERS AND MANUFACTURERS
 WINNIPEG.

Millinery Bags
 Hat Bags
 Shirt Bags
 Grocers' Bags
 Extra Heavy Bags

For Sugar, Bluestone, etc. Nail Boxes, Twines, Wrapping Papers for all purposes.

McALLISTER & WATTS
 43 Rorie St., Winnipeg.

WINNIPEG
Business College

Cor. Fortage Ave. and Fort St.

PREPARE

For the active duties of a business life by taking a course at the Winnipeg Business College. Annual catalogue sent free to any address.

G. W. DONALD, Secretary.

Important to Country Merchants

W E cannot too strongly advise our customers in country that it is in their interest to use only Tubs (either wire or wooden hoop) in shipping their Dairy Butter to market; and farmers should be asked to put up their Butter in tubs only. In the course of a year, we get a large quantity of Dairy Butter put up in boxes and Butter put up in this way, in most cases, has to be sold at a reduced price, on account of boxes breaking easily and separating at corners. The air gets in at butter and, to a large extent, destroys the flavor and, in many ways, injures the quality. The expense is large in putting these packages in proper shipping shape to go on the market. Butter boxes were made to put up Creamery Butter only and not intended for Dairy Butter.

J. Y. GRIFFIN & CO. WHOLESALE COMMISSION MERCHANTS AND PORK PACKERS
WINNIPEG

Extra Fancy American Apples

We are to-day taking delivery another car EXTRA FANCY MISSOURI BEN DAVIS, which we can recommend as very fine, being well colored and of splendid flavor. Winnipeg Grocers are buying these apples in preference to choicest Ontario spys. No shrink. **Price \$6.50**

2 Cars BANANAS Due 5th Inst
Large Bunches, \$3.00

R. A. ROGERS & COMPANY Ltd.
WINNIPEG

SHINGLE STAINS

Have you ever used them?

CREOSOTE SHINGLE STAINS

ALL SHADES

MANUFACTURED BY

G. F. STEPHENS & CO., Ltd.

WINNIPEG, MANITOBA.

The W. H. Malkin Co.
LIMITED.

**Importers and
Wholesale Grocers**

Packers of the Celebrated
**VICTORIA CROSS Evaporated
Fruits, Teas and Coffees.**

**HEADQUARTERS for Sago, Tapioca,
Rice and all classes of English
Groceries.**

Prompt attention to all letter orders.

137 Water St., - VANCOUVER, B.C.

Railway and Traffic Matters.

The C. P. R. commenced laying rails and steel on its new Winnipeg Beach line on Tuesday.

The C. P. R. has awarded the contract for a new wing to its Blast hole to J. A. Tompkins, contractor, of Brockville.

It was reported from Montreal on Thursday that the C. P. R. management and the "trackmen" protective committee had agreed to refer for the wage schedule to a board of arbitration.

A Chicago report of last week and Lake navigation will start by April 1 and boats could probably pass the Straits now, the ice is so thin. But by April 15, as freights are scarce and lake insurance cannot be obtained before April 20.

Speaking of the railway situation in British Columbia, says the Montreal Gazette, Mr. E. Oppenheimer, of Vancouver, who arrived in the city yesterday, said that considerable interest was centred in the construction of the proposed line from the Kootenay to the coast, and he expressed the opinion that the Canadian Pacific should further the project as the natural extension of the Crow's Nest line, thus constituting a second road through the mountains from the plains to the Pacific ocean, and controlled by the company.

New York agents of English and Continental steamship lines received official notice on Saturday last that the agreement on the minimum of passenger rates would go into effect Monday, March 31. The agreement contains a provision lengthening the summer season. The season during which rates are 25 per cent. higher than in winter, will last from May 1 to October, on westbound rates, and from April 1 to October 1 on eastbound. The only important change is a discriminative increase on some of the ships of the express lines. The signatories of the agreement are the American, Anchor, Atlantic, Transport, Allen, Cunard, Dominion, Ireland, French Trans-Atlantic, Hamburg-American, North German Lloyd, Red Star and Holland American lines. The Beaver line refused to sign.

One of the latest ideas is an umbrella-renting company. You pay a dollar a year for a check, which entitles you to borrow an umbrella when you get caught in the rain, from any one of scores of umbrella standers scattered about town. This is the umbrella thief check-mated.

Regarding the Canada Cycle Co. reorganization, the directors were displaying themselves to the question of reorganization. For a few months they would work off all the stock in the different factories, and they intended next year that all which should be made in one compact factory. Their purpose was to raise enough money to put the company in a strong and solvent position. The directors meant to stand by the business till they had worked out the problem. They proposed to reorganize the business in Australia, where they hoped to sell 7,000 wheels, and in England, where they hoped to sell 2,000 wheels this year.

"What Women Like in Men," "What Men Like in Women," and "Husbands and Wives," are the titles of a series of very interesting papers by Hated Pike, the third of which appears in "The Cosmopolitan for April. The series number treats of Prince Henry's visit with a series of beautifully printed photographs. F. Horkstman, Benj. Israel Zangwill, Bret Harte and Maarten Maartens are among the other contributors to this number, which is unusually good in fiction.

The Canadian Magazine for April is called the Easter number. John E. Munro writes of curling in Canada as a way to interest both curlers and general readers. Arthur H. V. Cole has given many interesting reminiscences of Lord Dufferin. Albert E. Carman relates some political experiences in England under the name "John Bull in Politics." The protective value of vaccination is told by John Ferguson. M. D. The career of John Hudson, the discoverer of Hesperia Bay, is described by George, John the Dominion statistician. No faithful reader of current literature could demand more than is contained in the excellent Easter number.

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THE COMMERCIAL

The recognized authority on all matters relating to trade and progress in Western Canada, including that part of public works, the Lake Superior, the provinces of Manitoba and the Territories.

Twentieth Year of Publication.

ISSUED EVERY SATURDAY.
Subscriptions—Canada and the United States, \$10 per annum in advance, or \$12 per annum if paid in other countries; £3 in advance.

Charges for advertisements or stops should be in not later than Thursday afternoon of which profess to express the advertisements purporting to be news items, or which profess to be in-charge of this journal, will not be inserted.

The Commercial certainly enjoys a very much larger circulation among the business community of the west region by far between Lake Superior and the Pacific coast than any other paper in Canada daily or weekly. The Commercial also reaches the leading wholesale, commission and financial houses of every office in Western Canada.

Office 25 McDermott St., Telephone 234.
D. W. BUCHANAN, Publisher.

WINNIPEG, APRIL 5, 1902.

LIQUOR ACT REPEALED.

The vote on the Liquor Act in Manitoba came off on Wednesday last, and resulted, as was generally expected, in the defeat of the measure. This prohibitory measure, which had not been enforced, the vote polled was 12,332 for and 18,295 against the Act, with a few places to hear him. This shows the large majority of 6,063 against the Act. While it was generally believed from the outset that the measure would not pass, the vote adverse majority is something of a surprise. Of course a large number of the temperance people abstain from voting, as the leading prohibition organization—the Dominion Association—urged the people not to vote; and abstention after making allowance for a split in the temperance ranks, the vote against the act comes as a surprise. Winnipeg city gave a very large majority against the act, and carry all the provincial towns and villages gave negative majorities. Considerable work was done on the roads, the vote was larger than was expected, the vote will probably give a quietus to attempts at prohibitory legislation in Manitoba for some time to come.

New Style of Packing Apples.

An entirely new style of apple packing was in evidence this week in about 25 of the city and fruit stores in Winnipeg. Eben James, of Toronto, arrived in the city with two cars of Ontario apples in small cases. Each case contained four trays, which can be drawn out, displaying the apples in five fillers, similar to the fillers in use in large cases. Mr. James says this is the first shipment of apples ever made in these packages. He says he thinks the demand for such cases can be used for any fruit, such as peaches, pears, etc., simply by changing the fillers to suit the size of fruit. The apples were placed on a truck by Taylor Brothers. Mr. James says the apple trade has had for the dealers this season, a very heavy crop on the vines, but below the average. High prices were paid for the apples on the vines, and after the apples had been taken in the orchards last fall, a heavy frost had been there cost very high to the dealers. Mr. James says he handled 40,000 barrels of cropp, while in some years he has had over 100,000, which indicates size of the crop.

In 1901 there were 87 new schools opened in the Northwest Territories.

GRAIN STOCKS AT LAKE PORTS.

Fort William.

Stocks of grain in store at Fort William on Monday, the 31st ult, were as follows:
Wheat—1 hard, 320,524 bushels; No. 1 northern, 1,914,057 bushels; No. 2 northern, 2,242,174 bushels; No. 3 northern, 91,911 bushels; other grades, 36,702 bushels; making the total of wheat 4,685,654 bushels.
Oats—No. 1, 1,729 bushels.
Receipts of wheat at Fort William during the week ending March 31 amounted to 80,224 bushels, and shipments to 4,484 bushels. Receipts of oats amounted to 5,976 bushels, and shipments, 3,434 bushels. Receipts of barley were 858 bushels and shipments nil.

Port Arthur.

Stocks in store at King's elevator, Port Arthur, on the 31st inst, were:
Wheat—No. 1 hard, 4,140 bushels; No. 1 northern, 51,317 bushels; No. 2 northern, 58,343 bushels; other grades, 137,669 bushels; total, 141,460 bushels.
Oats—No. 2 white, 9,250 bushels; mixed, 14,733 bushels; total, 24,023 bushels.
Receipts of wheat at this elevator during the week were 10,712 and shipments, 3,725.
Stocks of grain in store at the new Canadian Northern elevator at Port Arthur on the 31st inst, are as follows:
Wheat—No. 1 hard, 34,107 bushels; No. 1 northern, 70,015 bushels; No. 2 northern, 242,575 bushels; No. 3

Australia, 11
Special service, 12
Surveying service, 13
Training squadron, 14

The first-class battleships of the Royal Sovereign and Empress of India, type are about 13,150 tons displacement, and the battleships of the London, Magnificent, Formidable, Victorious, and Prince George class are about 14,900 tons.

Japan has:
Six first-class battleships with a gross displacement of..... 8,250
Two second-class battleships..... 11,112
Ten coast defence ships..... 13,252
Six first-class cruisers..... 58,778
Nine second-class cruisers..... 11,078
Five third-class cruisers..... 14,078
Fourteen second-class gunboats..... 3,031
Two third-class cruisers..... 5,800

The third-class battleships are all over 12,000 tons displacement.
The total number of officers and enlisted men in the Russian navy according to the latest published accounts, is 62,000 and 6,000. The fleet consists of six first-class battleships, the Borodino, Alexander III, and Orsk, have a displacement of 14,800 tons each, and carry four 12-inch, twelve 6-inch quick-firing and twenty 3-inch guns each, and many smaller guns. The Tsvetkov, 12,700 tons displacement, carries four 12-inch, sixteen 6-inch quick-firing guns, sixteen 3-inch quick-firing guns and thirty smaller pieces. The Retzian, 12,700 tons displacement, carries four 12-inch, sixteen 6-inch quick-firing guns, sixteen 3-inch quick-firing guns, and the Retzian has the same armament, but will be of 10,000 tons displacement.
These first-class battleships, although they are put on the official list of the Russian navy's fleet, are in process of construction, and none had been completed on Jan. 1, 1901. Since that time

Manitoba Farm Homes—Residence

northern, 16,283 bushels; No. 4, 3,994 bushels; making a total of 367,025 bushels. Receipts of wheat during the week amounted to 68,536 bushels.
Oats—Feed, 180 bushels; mixed, 1,188 bushels. Receipts of oats during the week amounted to 1,188 bushels, and shipments to 4,425 bushels.

Navies of the World.

The parliamentary paper which was issued in London on the evening of Feb. 27, contains the names of all alliances between Great Britain and Japan, for the preservation of China, and has made a subject of much discussion.
According to the latest published accounts, the number of Great Britain's officers, seamen and marines provided for in the estimates for 1901 are as follows:
Officers and men..... 52,821
Coast guard..... 4,300
Marines..... 18,500

In addition to these there are 6,530 boys in training.
The British vessels complete and ready for sea in January, 1901, include the following:

First-class battleships, building.....	14
Second-class battleships, building.....	12
Third-class battleships.....	11
Protected cruisers.....	15
Torpedo cruisers.....	6
Torpedo boats, first-class.....	26
Torpedo boats, second-class.....	71
Torpedo ships.....	2

In January, 1902, there were 174 ships in commission, distributed as follows:
Med. erranean..... 43
China..... 14
North America and West Indies..... 14
East Indies..... 4
Africa..... 19
West Africa..... 19
Pacific..... 8

of Birch Bros., Hun's Valley.

much progress has been made, several of the ships have been made available, and the Retzian, which is being built at the Cramp yards, will be ready for delivery to the Russian government on March 16.
The rest of the Russian fleet is composed as follows:
Second-class battleships..... 12
Third-class battleships..... 6
Coast defence vessels..... 6
Armored cruisers..... 1
Protected cruisers..... 1
Gunboats..... 30

According to published reports, there are in the British navy eighty-two vessels of more than 3,000 tons displacement, aggregating about 1,000,000 tons displacement. This includes the vessels in course of construction.
The tonnage of Japan's twelve vessels of more than 3,000 tons displacement is about 166,000 tons.

Russia's twenty-seven vessels of more than 3,000 displacement aggregate 329,000 tons.
The naval strength of France, which is also a matter of general interest at the moment, has the following tonnage, as reported in the recent official documents as follows:
First-class battleships, building..... 5
Second-class battleships, building..... 4
Third-class battleships, building..... 12
Germany has no first-class battleships in commission. The tonnage of the second class in service, and eight of the tonnage in commission, is as follows:
The United States has six first-class battleships in commission and twelve are in course of construction, and these are some of the fighting ships of the world:

In com. Build- ing.....	10
England.....	665
Japan.....	200
Russia.....	200
France.....	200
Germany.....	200
United States.....	80
This list includes cruisers, destroyers, etc.	

New Steel Mills at Sault Ste. Marie.

Although start was made a few days ago at the plant at Sault Ste. Marie, Company, Sault Ste. Marie, Ont., it will be several months before the plant is in full operation. The Bessemer plant is the first mill to be put in operation in Danville, Pa. The machinery has, however, been entirely overhauled and repaired. The mill is not now recognized by its former owners and much machinery has been added to the plant. The mill is the largest mill in the world, and the rolling mill department. Modern labor-saving devices as well as a number of original inventions have been put into its construction. The plant is laid out with a view to handling rails in 30 or 90-foot lengths, up to 85 pounds per yard, and structural material consisting of angles, channels, beams, Z-bars, etc.

Ground was broken for the plant in October, 1900. In the midst of what might be rightfully termed a wilderness and a dismal swamp. There was ground; it was low and swampy, and a fairly good sized stream had to be diverted from the site. In the course of the process of the construction of the mill, the ground on which the mammoth plant stands had to be practically made, in fact, what a few short months ago was looked upon as a barren, worthless waste. It is now the home of hundreds of happy and contented workmen and their artizans as well as the location of the first mill in the Dominion of Canada. The steel plant as a whole is fast to completion, and it will probably be two or three months before the promoters can say that the plant is to have every department fully completed and in running order by early spring. The blooming mill is already in operation, in fact, most of its machinery is in place and has been tested, and is ready to start the production of the steel plant, known as the steel ingot. The blooming mill is what is known as a 2-inch 32 inch mill, and the rolling mill is a 3-inch 12 inch mill.

The company do not as yet manufacture pig iron, but the pigs used in the first steel came from the Midland furnaces and were the product of the Helen mine at Michipicoten, so that the first output is an entirely Canadian product. After the completion of the blast furnaces, the company will take the ore as it comes from the mines and convert it into the finished steel products. Two blast furnaces are under construction, the first one being about completed, and the second one for the second one will soon be in operation. The total capacity of the blast furnaces will be 1,100 tons of pig iron daily. The plant will also include two charcoal furnaces, two coke furnaces, and 200 coke ovens for iron and steel.

The British government has contracted with the State packing house for 220,000 pounds of sliced beef and 500,000 pounds of sliced bacon in cases. This is for the British army, and is supplied by a single contract for canned meats on record.

A unique souvenir of the visit of the Duke and Duchess of Cambridge has been distributed by Thos. Clearline, manufacturer of gloves, etc. This is in the form of a small silver piece about the size and shape of a silver dollar. Imbedded in this is a small coin emblem.

Ex-Senator A. W. Ogilvie died at Montreal on Monday morning, after a brief illness. Deceased was one of the leading figures in the early and middle life of the Dominion. He was born at St. Michael, Quebec, in 1829, and was educated at Montreal. He was taken into the flour milling business by his uncle, the late James Goudle. Mr. Goudle's retirement in 1854, was followed by the house A. W. Ogilvie & Co., iron merchants and proprietors of the Glenora flour mills. In 1874, having taken in as partner his two younger sons, he retired from the W. the latter brothers, John and W. Ogilvie, who after a few years had become sole proprietor. He was connected with many of Canada's leading financial and commercial companies.

The Coming of a Great Host.

(Toronto Globe.)

Our merchants and manufacturers are so anxious to devote a good deal of attention to events impending in western Canada. Every day has its record of the arrival of batches of goods by railers. One day it is a group of men who have joined our brethren in Southern Alberta, the next it is a party of 400 English farmers to farm lands. But the overwhelming preponderance of the risk of the 1902 season is the United States, and from this source a migration is looked for which will be a record for anything like a similar kind that has ever taken place on this continent. The Oklahoma boom of 1890 was thought to be the most remarkable movement of population that has been seen in this western hemisphere. It was certainly the most rapid. Within a few days 50,000 people went in to the land to inhabit it. We are not going to witness any such high-pressure settlement as that, but before the season of 1902 sets in doubtless all signs fall, and doubtless a great number of homeseekers will have gone into the Canadian west to settle on the new lands from the Oklahoma border. The settlement in this case is not a rush as in 1890, but it will be a steady and a more sanguine settlement as at high a figure as 200,000. It will be a migration of a different mark it will be a sufficiently remarkable event, and its influence on the current of commerce in the west will be wide and deep. The settlers from the United States are coming in, and with a great many of their wants already supplied, but, however well furnished with their main requirements the sum of their unexpected or unprovided for needs will be great. It is thought in some quarters that these settlers from the United States will, for various reasons, prefer to procure their wants, even after they have settled in the new lands from the American towns where they have been accustomed to deal. It is worth remembering that they would not themselves so much about unless they had a goodly supply of goods of the same quality they do here. We should think that they would give as much attention to their preferences, even the prejudices, of the incoming population as they would give to their supplies would be removed. There is one thing, at all events, that the eastern merchant and manufacturer have to get a firm grip of, and that is the fact that this party will see such a transfer of population as this continent has not witnessed, to the same extent at least, for many a day.

The day of big things has already opened for the west. The debate in the Commons on the grain blockade in Manitoba and the Territories contained resolutions even for the well-known of parliament. It is interesting to note that the Canadian railway has moved 55 per cent more wheat and 125 per cent more oats than it had done in the last season. It is not so long ago that we had made but little impression on the mountains of grain that still remain. The fall rainfall that year greatly delayed the threshing, with the consequence that it took the time 43 days to move grain after the closing of navigation. This was an unusually short season, and at the same time, the time between the reaping of the crop and the closing of navigation will always be narrowed, which is a matter of great concern to the actual physical handling of the grain, as demonstrated by the Canadian Pacific railway 1900 being 3,000-ton grain-moving season and 24 engines in the transport division. In the transport division 3,000-ton grain-moving season was employed. It is interesting to note that the wheat would extend almost to the end of September and the 28th of December the railway delivered 14,281,401 bushels of wheat at the Port Wabigoon and Port Arthur elevators. A great deal has since been moved, and a great deal of wheat is still in the hands of the possible dealer of cover, except the barrels, which has been filled with wheat, and it is thought that it has been piled outside and covered as well as

the necessities of the case will allow. The situation is, as put by Mr. T. O. Davis, the member for Saskatchewan, that 400,000 people all told have produced 100,000,000 bushels of wheat. If we are going to add to these producers at the rate of 100,000 a year, we tend to grow greater and greater, and that is the fact that the mercantile and industrial world of the east, as well as the railways and the Government authorities, must look at, not as a question of the future, but a question with which they are face to face.

Confederation Life.

The annual statement of the Confederation Life Association shows that substantial progress was made during the past year. The statement which is the 30th annual report of this company shows that as a result of the increase in the company's own standard, and over \$70,000 more of the Government standard of valuation. In addition to this there was paid to Policy-holders for profits during the year over \$71,000. The expenses of the year were \$3,000 less than in 1900, and the ratio of expenses to income the lowest in the history of the com-

pany engaged to most ports. There has also been a good demand from Canadian exporters, as a large volume of business has also been worked by them in Manitoba wheat; in consequence, the prospects are now more encouraging than they have been at any previous date this season for the grain export trade. Owing to the activity which has prevailed and the fact that the bulk of the May room has been engaged a firmer feeling has developed in the market and asking rates in several cases have been advanced 1-2-3 to 7-8. The asking rates are as follows:—Liverpool, 1s 3d; May, London, 1s 7-8; May, Glasgow, 1s 3d; May, Avonmouth, 2s 6d; June, Manchester, 1s 7-8; June, Hamburg, 1s 2d; May, Antwerp, 1s 6d; May, Belfast, 1s 10-12; May, Dublin, 1s 10-12; May, Leith, 2s 3d; June, Cardiff, 2s 5d; May, Rotterdam, 1s 9d; May. According to latest mail advices from New York more interest has developed in the market for full cargoes of grain. Steamers for prompt shipment, Cork for orders, June, Cardiff, 2s 5d; May, and tide of 1s 9d have been made for tonnage to picked ports. Rates are quoted as follows:—Liverpool, 1s 1-2d; London, 1s 3-4d; Glasgow, 1 1-2d; Newcastle, 2 1-2d; Antwerp, 1 3-4d; Rotterdam, 1s 2-3d; Bristol, 2 3-4d; Leith, 3d; Hull, 2 1-2d; Bremen, 2 1-2d; Rotterdam, 20 pfgs.

C. P. R. Land Sales.

The month of March has in former years not been a particularly good one in the land sale business of the C. P. R. and no big returns were looked for, but the figures given out by the land department beat all records for corresponding months in previous years. The sales for March, 1902, more than triples those of the same month a year ago. There were 101,029.22 acres sold during the month just closed for \$28,822.22. For March, 1901, there were 30,544.14 acres sold for \$12,292.47. The total sales for the year 1902 up to date amount to \$288,915.64 acres for \$87,770.83. This is a big increase over the sales for the same months for the previous year.

The C. N. W. Land Company's sales for March, 1902, amounted to \$16,163 acres for \$15,671, against only 3,650 acres for \$19,000 for March, 1901. The sales for the present year by this company amount to 29,430 acres, for \$181,406.

May 20, 1902, is the date fixed by the United States for turning over the Island of Cuba to its people.

Eastern papers assert that the maple sugar and syrup produced this spring is being extensively adulterated.



The Grain Blockade—Photo Taken at Wolseley, Assiniboia, in February.

pany, which is an excellent showing, in view of the general tendency of late years in life insurance business to increase the expenses account. The total insurance in force at the close of the year was \$23,102,088, under 22,000 policies. The interest received in the year was sufficient to pay the claims and leave a surplus of \$86,203. The financial statement reproduced in the annual statement gives a clear picture of the favorable position of the company.

In the West the Confederation Life has long been foremost in life insurance, and the past year has been one of the best ever experienced in the Western field. The good work done by the western officials of the Confederation Life was recently recognized by the promoters of the managers of the departments here, as noted in a late issue of The Commercial.

Ocean Grain Freights.

The improvement in the demand for ocean grain room for spring shipment from this port, noted in our report of a week ago, says the Montreal Gazette, has developed into a considerable activity, and a large volume of business has been done. This has been due to the recent sharp declines in prices for grain in the United States markets, which has enabled American shippers to do a large amount of business with foreign houses; in consequence, they have been in the market for ocean grain space, and some large lines have been

Prices at Dawson.

Dawson. March 24.—Correspondence—Rolled oats are selling in Dawson cheaper than oats. Oats are cornered, and have been for months, and rolled oats are a glut and are being for horse feed. Oats sell at 9 cents and rolled oats at 6 cents. Many are also buying cornmeal, grits and the like at about the same prices as rolled oats and mixing and having for horse feed. Hay is abundant, and has recently taken a slump to 7 cents. Hay usually remains between 4 and 5 cents. Cream has made a notable advance the last few weeks to \$15 a case for all brands, and a serious shortage in any line will occur, and this is the first winter this has been the case, and the first in which most all stocks have declined in price toward the end of the season. Fear of stocks being left in the air has caused a rise in freight rates. The next summer cause low rates in many lines.

John Lee, New York agent of the White Star line, confirmed the report this week that the British and continental lines have reached an agreement regarding saloon passenger rates, and added the information that these rates will be slightly advanced

Regina Board of Trade.

Regina, March 24.—The annual meeting of Regina board of trade was held this evening. Mayor Smith, the president, in the chair. Mr. H. Martin, treasurer, read the annual statement, which showed receipts \$231,157, and expenditures \$182,087; balance in hand \$28,800. Mr. Wm. Trant, secretary, read his annual report, which reviewed in detail the work of the year, pointing out the benefits accruing to the district through its labors. The board has materially assisted in procuring help and breaking outfit and solving the transportation question.

The report was adopted and the thanks of the board conveyed to the retiring president.

Mr. J. M. Young was then elected president for the ensuing year, and Mr. F. N. Drake vice-president. Mr. Wm. Trant for the sixth time was elected secretary by acclamation. The following were selected to serve on the council: A. F. Angus, B. S. Barrow, G. Colbeck, W. J. Cumming, W. McCusland, J. H. Marshall, E. Martin, G. Michaels, J. W. Smith, R. H. Williams, W. M. Williamson. Mr. J. M. Young, the new president, was then installed, thanked and a meeting for the honor done him, promising to do his utmost to carry on all works for the good of the town. A long discussion then took place as to subscription fee to the board and ultimately it was decided to raise it from \$1 to \$2, and the meeting then adjourned.

The Time Has Come

For you to look at FALL SAMPLES

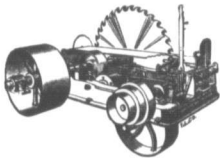
Our judgment, experience and mechanical skill is at your service
When you buy our goods you get all the value possible.
Not the "Just as Good" but the "BEST."

DONALD FRASER & CO.

Manufacturers of Fine Clothing

WHOLESALE

WINNIPEG—126 Princess Street.
MONTREAL—502 St. Paul Street.



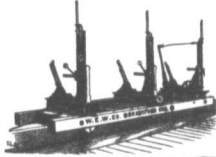
ENGINES AND BOILERS

Waterous Engine Works Co

WINNIPEG, MAN. AND VANCOUVER, B.C.

SAW MILL MACHINERY

Shingle Mills and Planers
Edgers and Trimmers



THE STUART-ARBUTHNOT MACHINERY CO., LIMITED

SUCCESSORS TO
STUART & HARPER

.. 764-766 Main Street, Winnipeg

HEAVY MACHINERY MERCHANTS
ELECTRICIANS

Sole Agents for:

"Eosmote" Engines and Boilers, "Brown" Automatic Engines, "Cantow" Mining
Fire and Boiler Feed Pumps, "Cameron" Steam Pumps, "Dodge" Wood Split
Pulleys, "Beardmore" Leather Belting, MacGregor, Gourlay & Co.'s Food
Working Machinery, Stratford Mill Building Co.'s system of complete Flour
Mills.

LONDON Motors, Dynamos and Elevators.
PACKARD'S LAMPs, Transformers and Supplies.

Brock (Company) Limited

WAREHOUSES:

TORONTO AND MONTREAL

OFFICES: WINNIPEG, VANCOUVER, QUEBEC, HALIFAX

SHOWN THIS WEEK BY OUR

MONTREAL HOUSE AND REPRESENTATIVES

Venise Foulards

25 Cent Mercerised printed goods which
can be retailed at 15 cents per yard.

REPRESENTATIVES, MANITOBA, NORTHWEST TERRITORIES
AND BRITISH COLUMBIA:

W. L. BROOK, W. T. WALTERS, G. W. PARKER,
ASHDOWN BLOCK, WINNIPEG

A. E. MCNAUGHTON
VANCOUVER

PATENTS TRADE MARKS
DESIGNS
PROCURED IN ALL COUNTRIES
SPECIAL ATTENTION GIVEN TO PATENT
LITIGATION
PAMPHLET SENT FREE ON APPLICATION
RIDOUT & MAYBEE, 103 BAY STREET,
TORONTO

Wholesale

We supply all out of town merchants
with a full line of

Jewellery

at wholesale prices. Write for
particulars.

D. R. DINGWALL Ltd.

424 and 564 Main St., Winnipeg,
Sign of the Street Clock.

A. CARRUTHERS & CO.

Dealers and Exporters of
**Hides, Wool, Sheepskins,
Tallow, Seneca Root
and Raw Furs**

Liberal advances made on shipments
against Bill Lading. Wood blocks, Ropes
and Taps furnished on application.

Office and Warehouse:
120-122 King St., Winnipeg, Man.

JAS. MCCREADY & CO. LIMITED.

WHOLESALE . . .

Boot and Shoe
Manufacturers

MONTREAL, QUEBEC
W. WILLIAMS, Agent.

A Big Purchase

1000 Cases Workingmen's Staple Lines of Rubber Shoes, to be sold at
low prices.

Last season a large stock of these lines was manufactured for the sorting trade,
but the winter was mild and the result was TOO MUCH STOCK. Therefore
you benefit.

**205 Cases Men's Heavy Low One Buckle Gum Rubbers, Neptune
Quality, 1902 List 1.55**

**205 Cases, Men's Heavy High One Buckle Gum Rubbers, Neptune
Quality, 1902 List 1.85**

**150 Cases, Men's Heavy High Two Buckle Gum Rubbers, Neptune
Quality, 1902 List 1.95**

**173 Cases, Lumbermen's Heavy Snow Excluders, Rubber Front,
Boston Quality, Cloth Top, One Buckle, 1902 List 2.15**

The balance of the 1000 cases are made up of smaller lots of several other lines.

These are good, safe, reliable goods and orders for them are coming in freely.
This is a rare opportunity and worth looking into. Further particulars by mail if
requested. Fall delivery.

ARTHUR CONGDON WINNIPEG

GROCERY TRADE.

The Sugar Market.

The stronger feeling which developed in the sugar market at the latter end of last week has been the principal feature of the market since that last review, says the Montreal Gazette. The advance in prices in the foreign market was now the feature of this day week and has been 3 1/2 and this fact was naturally reflected in the market for raw cane sugar, consequently prices there have also advanced considerably per cent and they are quoted strong at 3 1/2c for 96 test centrifugals. In sympathy with the above advance refined sugar was quoted up on Friday last 5 to 10c per 100 lbs., and the tone since has been firm. This general improvement was the means of increasing the demand considerable, and as jobbers and retailers were very poorly supplied with sugar an active trade has been done since. There has also been a much better feeling in the local market for the refined article, and at the advance of 5c per 100 lbs. already noted in these columns considerable business has been done. This would indicate that buyers are regaining confidence in the situation, and as the market has been throughout the country in both jobbers' and retailers' hands have run down pretty low prices for some time, it is probable that business will be done from this out. The market to-day was stronger and prices for refined sugar were 5c per 100 lbs., on all grades, which makes a net advance of 10c for the week. At the times advanced is selling at 33 1/2c and yields \$3.10 to \$3.80 per 100 lbs., as to quality. In regard to the question of best cowhide, the market has been at least six weeks longer, but all estimates indicate a reduction of from 10 to 15 per cent. Should this advance reach the latter figure the European best reduction of 1902-1903 will be fully 100,000 tons less than it was at the start campaign, for the health of the sugar markets throughout the world it is to be hoped that this will be the case. Low prices for sugar compel the factories to give low prices for roots and should cause the farmers to turn their attention to other crops.

Grocery Trade Notes.

A candy trust is being formed in the United States. These advanced 1/2c per pound in Minneapolis last week. Standard twelve ounce bar soap is to be advanced in price at Minneapolis owing to higher cost of raw materials. Higher quality will amount to about 5c per box. The world's sugar production has grown from 1,150,000 tons in 1840 to 3,800,000 tons in 1900. During the same period the world's population has grown, according to the best estimates, from 500,000,000 to about 1,500,000,000. Thus, sugar production has increased about 650 per cent, while population has increased only about 50 per cent. In the United States it is found that the consumption of sugar in 1850 was only 22 pounds per capita, was in 1901 over 68 pounds per capita.

THE DRY GOODS TRADE.

Dress Goods Active.

The demand for dress goods for the early spring and the summer trade is quite active. The current orders show a plentiful proportion of high class dress goods both of domestic and imported lines. The demand for goods of this description from retail traders who formerly bought but a comparatively light supply of such goods, is remarkable. It shows that the demand for these and medium goods of lower values than at present asked for is decreasing with the more prosperous condition of the masses who are now inquiring less than ever for the cheaper lines. The purchase of the better quality of dress goods is being the aggregate value of the business done, and together with the increase of the effect of wearing the aggregate value of the business transacted so far this season shows a very large increase over that done during the same years. Canadian dress goods are still getting a liberal share of the attention of retailers. These goods are still selling more popular, and Canadians

appear to be more and more inclined to limit their orders to their own imported goods, and in a good many cases to give them the preference. This is especially true of men's goods, but Canadian dress goods of various wear are also in the popular favor and are increasing in demand and adaptability for the season. Those who have had any experience with them—Globe, Toronto.

Dry Goods Trade Notes.

Canadian cotton mills are reported to be very busy on contract orders and their views on the future are firm. Linen prices are firmly held by manufacturers and there is a tendency to advance prices in some directions.

Ribbon conditions have steadily improved at New York and good orders are reported for cut-out, finished and sheer fabrics for millinery and neckwear.

A report from New York says:—Only in rare intervals in 25 years has the Fall River market been as barren of goods as this. This sentiment. The brokers who have been representing printers in the past week are not so anxious to get their wares into the market when narrow goods were so scarce. This is explained in some measure by the fact that the 100,000 pieces of regulars are now made weekly in Fall River, outside of the Iron Works mills. The odd styles are being in better demand and offer a little better profit, once a mill is wound up for the season.

Leading styles for the coming spring and summer show that the Leicester movement, drapery-coats, embracing all the covert coat nature, and in the new dark grey and black and hatter's goods to be popular. The single-breasted sack suit and the double-breasted blue serge suit are likely to be favorites for the coming season. In this expectation it is recommended that stocks of blue serges and of the hatter's goods should be laid in. Loose, long knickerbockers, with a three-button jacket and single or double breasted buttoned waistcoat suit, are recommended for comfort and style. Rough stockings, it is said, will be the best for the season. Hosiery forms a suitable material for such a suit.

Hardware Trade Notes.

Heavy screw hooks and hinges advanced 25c per 100 pounds last week. White enamelled ware declined 10 per cent at factory points 1-3 week. Fence staples advanced 25c on 50 pound packages at factory points last week. Pig iron advanced \$2 per ton at Pittsburgh last week and the market seems firm. Orders for pig iron for 1903 delivery have already been placed with some United States mills. The prices are to be those current at the time. The market for steel is 10 per cent in United States markets owing to shortage in supplies of steel. In some cases they are getting better prices in steel in order to meet immediate demand. Sharp advances in the price of turpentine at Savannah last week put the price up in Eastern Canada 8c per gallon, which was a very sharp advance. Still further advances were predicted at the end of the week.

Fire-clime oil stove manufacturers in the United States are this season doing business under a combination. One result of this combination is an advance in the price of the article. While Canadian importers have not advanced their prices to the same extent, they are getting better prices than they did last season, their discount being 15 per cent, instead of 20 per cent.

Shortage in the supply of wire nails is reported from manufacturing centers in the central and western portions of the view of the fact that the repeat order demand has hardly started yet anywhere. Still further advances were trouble is anticipated. If spring planting business has cleaned the makers up so completely that they are unable to supply the demand, it is probable that they will catch up sufficiently with stocks before the sorting trade opens to be of any consequence to the farmers. Moreover, it is reported that they are being handicapped by the Kerr Engine Works in no case in the price of these nails.

Lumber Trade Notes.

The new mill of the Pigeon River Lumber Co. at Fort William, will be ready for operation in the latter of May. Lumbermen in the Northwestern States are grumbling over the shortage in the supply of wood, especially white pine. They anticipate a large demand for and could have used a larger cut than usual this year, but owing to the want of snow and other unfavorable conditions during the winter the cut of logs has been reduced some think as much as 25 per cent.

The largest tree known to have been ever cut in the Northwest was found yesterday by Mat Higgins, says the Province, of Vancouver. Mr. Higgins cut the tree in the Hartington Park on the city, and is now taking out single bolts there. He came across the shell of a burnt cedar which measured sixteen feet across on the inside. It is fifty-seven feet in circumference and in every way larger than any of the big trees in the park. Six horses could, according to Mr. Higgins, stand abreast inside the tree.

The hardwood market continues to develop along the lines previously noticed. The market is called very high but in some lines it is about as high as consumers wish to pay. There is a strong tendency in all of them, although the difference is of different lines—the difference between oak and the green fir and ash, as between oak and ash, as between birch and maple. White oak in good shape through the list, but of course the upper grades are preferred. First and second red oak is also in good shape and is so quartered to a less degree. Some of the ash people are complaining that their commodity is not appreciated as it should be, and though maple has improved under the influence of the new selling company values are not in accord with competitors. Dry stocks in most lines are difficult to find in any quantity. Demand is active and the dealers are consumers show a disposition to buy for the future, indicating confidence in the outcome.—Agricultural Lumberman.

THE IMPLEMENT TRADE.

The Twine Market.

Notwithstanding the strong fiber market and the absence of any discouraging indications either in fiber or twine, there has developed among some of the smaller houses doing business in the central and western provinces to shade the price on sisal and standard twine, says The Farm Implement News, of this city. The concessions offered are extremely small, yet large enough to disturb the market to a certain extent. It seems that a number of jobbers in that territory had been selling at 1 1/2 cents prior to the appearance of the large concerns' prices, and were compelled to immediately reduce their quotations, if not to adjust to the existing conditions, the 1 1/2 cent rate was not well received by them, as indicated by a letter recently published in Farm Implement News. It is the opinion of the twine manufacturers that the disposition to shade the price arises from a desire to retaliate rather than from their ability to sell at cut rates with a profit. At the same time it is admitted that some of the manufacturers, supplying the jobbing trade are probably more comfortably situated as regards fiber than they were popularly supposed to be. The flurry seems confined to a comparatively small territory and has caused one of the leading concerns to temporarily withdraw prices. Elsewhere the market is firm at the following prices:

Sisal	11
Manila (550-foot)	12 1/2
Manila (900-foot)	13 1/2
Pure manila	15
Five-ton lots, 3/4 cent less, car lots, 1/4 cent less. Fall terms.	

To Insure Prompt Payments.

The promptness with which sale notes are paid is proverbial. By sale notes we mean notes taken in settlement of business done by farmers. McCulloch Company of their stock, machinery, implements, household effects, etc. There are apparently two reasons for this. In the first place no credit is allowed

except on approved security. This of itself does not insure promptness, but it does insure the probability of default. But some of the responsible credit-seekers frequently become careless, they pay promptly, deliberately or carelessly. The true reason, then, is that such notes are invariably paid at the first opportunity if not paid when due.

During these years' experience in the wholesale trade of agricultural security—the same having come into the dealer's hands in various ways. The remembrances of the clause referred to was omitted and, but a few that were not met promptly at maturity. On one occasion twenty-three such notes maturing on the same day were sent to a bank for collection. Full returns from the entire lot were received from the bank on the day following maturity. It was afterwards learned that the signatures had been placed the money before maturity, so anxious were they to have their notes paid promptly and to avoid any delay.

Implement dealers can insure prompt payment of many notes that would otherwise be delayed, not by making use of the clause. It is a safe assurance that seven out of ten buyers will not object to the clause, because they expect to pay when due, and the penalty for default which they have to see to it that they do not incur. It is now one of the most punctual of dealers. One day in a transaction he came into possession of half a dozen sale notes containing the clause referred to. Three of the signers were men who owed him notes months past due. The alacrity with which they met the sale notes opened his eyes to the wisdom of the clause for interest from date if not paid when due, and most of them are paid at maturity.—Farm Implement News.

Implement Trade Notes.

The Deering Harvester Company have erected an implement warehouse at Oak Lake.

Live Stock Trade Notes.

Eater & Williamson, live stock salesmen and exporters, of London and Bristol, England, have established a branch office in Western Canada, with headquarters in Winnipeg. H. A. Mullins is to represent them, and his business office is in office in the city. This firm is well known to the trade of England, and have extensive connections in Argentina.

Rubber Boots.

A feature of the shoe trade in Manitoba this spring has been the enormous demand for rubber foot. This is owing to the excessive moisture prevailing since the recent snow storm, followed by a cold snap. Fortunately Winnipeg jobbers had unusually large stocks of rubber boots on hand, and their business in rubber stocks it very good, because apparent that they would not be able to supply the demand for this article. They have once wired to send a additional supply by express, and by this prompt action most orders will be filled in a reasonable time. Top rubber boots, however, were a scarce article in Winnipeg this week.

The Burridge Company, agents for The Goldie & McCulloch Company, Galt, have recently purchased a power Wheelock engine, two 75 horse power boilers, with shafting, pulleys and trim, valued at \$4,000. The Burridge Company, of Brandon, also an 8x10 Ideal engine to the Winnipeg General Hospital, and two of their ideal engines now in use in this hospital. They have recently installed the 10x10 Ideal engine in the West Laundry Company, of Winnipeg, and have also wood-working machinery in trade. The Burridge Company has recently established themselves in Winnipeg, doing business for the farmers. McCulloch Company, of Galt, and the Kerr Engine Works Company, Walkerville, Ontario, are makers of steam and hydraulic valves.

THE
Edwardsburg Brands
STARCH AND SYRUP

Are well known all over the Dominion as a

STANDARD OF QUALITY

Assorted Stocks of all styles of packages now on hand with Winnipeg Wholesale Grocers. Order **CROWN BRAND SYRUP** in 2, 5, 10 and 20 lb. Tins.

BABIES, BLACK AND WHITE, DEMAND



E. NICHOLSON WHOLESALE AGENT
115 Bannatyne St. East, Winnipeg

Everything for Power

WINNIPEG MACHINERY & SUPPLY CO.

Wholesale Dealers

The Lauris Engine Co., Montreal, Engines, etc.; Olds Motor Works, Gasoline Engines for all purposes; The Hamilton Iron Tool Co., Ironworking Tools; Cowan & Co., Woodworking Machinery; The Ohio Pump Co., Canton, Ohio, "Ohio" Steam Pumps for all purposes; Flour



Mills and Elevator Machinery and Supplies; Sew Mill Machinery; Chisholm, Boyd & White Co., Boyd's Patent Brickmaking Machinery; The United Electric Co., Toronto, Electrical Motors, Dynamos and Supplies; Shafting, Pulleys and all Accessories. WRITE US

Second Hand Machinery Bought, Sold or Exchanged.
178 Notre Dame Ave. East, Winnipeg, Man.

Excelsior Cement

Makes the strongest and most desirable walls and floors for buildings. Full descriptions.

Manitoba No. 1 Hard Wall Finish—Up-to-date Plaster for finishing walls. Made in Manitoba by

THE MANITOBA UNION MINING CO. Ltd.

Office—214 Grain Exchange, Winnipeg



FISH

Fresh salt water fish, including salmon, halibut, cod, haddock, shad, trout, mackerel, smelts, tommy cods, foundlers, herring, flnan haddie, sea bass and salt water eels.

W. J. GUEST Wholesale Fish, Game, Poultry, Etc.

602 Main St., Winnipeg.

SOURIS COAL

The best and cheapest fuel in the market.

Shipped direct from mines at Roche Parces to all points in Manitoba and the Territories.

Souris Coal Mining Co. Ltd.

Winnipeg Office

P.O. Box 744.

447 MAIN ST.

THE **W. E. SANFORD**
MF'G CO., LTD.
HAMILTON, ONT.

Wholesale

Clothing Manufacturers

Offices and sample rooms in the Sanford block, Winnipeg, corner of Princess and Bannatyne streets, where a complete set of samples can always be seen.

Western representatives—H. Kit, W. Dunlop, Geo. Shaw, A. McAllister

FRANK LIGHTCAP

DEALER IN

HIDES PELTS, WOOL
WENEGA Etc.

EXPORTER OF

NORTHERN FURS

Highest prices paid for consignments and returns made promptly.

Write for circulars containing market reports and full quotations.

172-174 KING ST., WINNIPEG.

P. O. Box 484.

J. L. Meikle & Co's

Travellers are now on the road with a complete line of Spring and imported China, Toys, Fancy Goods, Musical Instruments, etc. Their assortment and prices will interest you.

J. L. MEIKLE & CO.

PORT ARTHUR, ONT.

CLARE BROS.

& CO.

Stoves and

Furnaces

Metal Roofing and Siding

Steel Embossed Ceiling

Eave-trough and Conductor Pipe

Graniteware and Tinware

CLARE & BROCKEST

Managers.

WESTERN BRANCH, WINNIPEG, MAN.

Marmalade Oranges

Order now as season is over about April 1st. If you don't want the oranges we can give you it done up ready for the table—

In 7-lb. pails, per doz. 17.20
In tins, per dozen 7.20
1-lb. glass jars 2.00

Attractive package. Order sample lot.

THE **MACPHERSON FRUIT CO.**

LIMITED.

491 Main St., Winnipeg

**Genuine Wash
Screen Doors
Reliable
Refrigerators
Lightning Ice
Cream Freezers**

Write for prices.

MARSHALL-WELLS CO.

WHOLESALE HARDWARE,
WINNIPEG.

DRUGS

We now have a fresh stock of heavy drugs, such as EP-SOM SALT, SULPHUR, Saltpetre, and Borax, not excelled in point of purity. Low prices for quantity.

Write for quotations.

The Martin, Bole & Wynne Co.

Wholesale Druggists,
P. O. Drawer 1461. WINNIPEG.



CANADA

"Queen's Head" Galvanized Iron

Tested for forty years and more popular than ever.
Sold by nearly all the leading jobbers.

**JOHN LYSAGHT, Limited, makers,
A. G. LESLIE & CO., Montreal, Managers Canadian Branch**

WE HAVE ADDED

TRUNKS AND VALISES

to our line. We are now mailing illustrated catalogue to the trade. If you do not receive one, drop us a postal card. Any sorting order can be packed in the trunks. Three cart loads now in stock and cheaper than you can buy broken lots east.

THE KILGOUR-RIMER CO. Ltd. WHOLESALE
87 Princess Street, Winnipeg

RAT PORTAGE LUMBER COMPANY

LIMITED

MANUFACTURERS OF ..

**LUMBER,
LATH, SHINGLES,
SASH,
DOORS**

AND ALL KINDS
OF WOODWORK

Head Office and Mills at RAT PORTAGE, ONT.

Branch: Point Douglas Avenue, WINNIPEG

Wholesale Boots and Shoes

See our New Samples for Next Fall consisting of Felts, Moccasins, Gloves and Mitts, Rubbers and Overshoes.

Sorting Orders Receive Prompt Attention—Stock Complete—Prices Right.

TRAVELLERS now on the road.

Berlin Rubbers (Daisy and America Brands.) Trunks and Valises

H. G. MIDDLETON & BRO. 139 ALBERT STREET
WINNIPEG

Adjoining Leland Hotel.

P. O. BOX 633

S. Greenshields, Son & Co.

MONTREAL

Wholesale . . .

**DRY GOODS
MEN'S FURNISHINGS
CARPETS, ETC.**

Winning Sample Rooms:

412-414 McIntyre Block

Represented by—R. B. GALLAGHER, G.
M. NEWTON, A. C. RUSSELL.

THE WESTERN PACKING COMPANY

Our new abattoir on Alexander ave. is now completed and running, and we are ready to supply the trade both in the city and country with fresh killed meat of finest quality. Mail orders given prompt attention.

We are also open to buy live or dressed hogs and all kinds of produce, paying highest cash price for same.

Abattoir and Offices

ALEXANDER AVENUE, - WINNIPEG

HICKS BROS. & Co.

TEA IMPORTERS

And wholesale dealers in

Fancy Groceries, Butter, Eggs, Cheese

Packers of Britannia, Beaver and Buffalo Brands of Packet Teas, and sole Agents for Thos. Lipton's Packaged Teas for Manitoba, N. W. Territories and British Columbia.

277 Rupert Street.

274 Pacific Avenue, Winnipeg

Factory,
WINNIPEG, MAN. YARMOUTH, N. S.

The Redding Shoe Mfg. Co.

Wholesale Boots
and Shoes

You are invited to inspect carefully, our New Samples for Next Fall, consisting of Moccasins, Gloves, Mitts, Rubbers, Overshoes, and the best lines of Staple Goods ever shown in the West, for their Values, and Wearing Qualities. All Solid Leather Goods. Every Pair Guaranteed.

Large and well assorted stock always on hand. Sorting orders receive Prompt and Careful Attention.

A trial solicited.

WAREHOUSES:

137 BANNATYNE AVE., WINNIPEG

P. O. Box 755.

Telephone 194

MANITOBA.

Win. H. Laird, tailor, Carberry, has made an assignment.
 J. W. S. Logie is operating a drug store at Gladstone.
 M. J. Moor has sold his harness business at Snowflake to C. W. Dawdy.
 A. Young has opened in business as a harness maker at Waskanda.
 J. C. McNeil has opened a new implement shop at Letellier.
 J. L. Logie has bought the implement business of Crouter, at Gladstone.
 A farmer's elevator will be erected at Carman. The capacity will be 45,000 bushels.
 A. A. Ballard has purchased the lumber, wood and coal business from Morley & Whitworth, at Morris.
 The congregation of St. Stephen's Presbyterian church, Winnipeg, will build a \$40,000 church this year.
 J. Kines has bought out the bakery business at Carberry belonging to the estate of his father, who died some time ago. He will continue the business.

Another partner has been added to the firm of A. Hall & Co., Winnipeg, in the person of C. H. Hicks. The business will continue under the old name without change.
 J. C. Richardson has purchased the bakery business of H. B. Trimble, at Neepawa, and will continue in connection with their fruit and confectionery business.
 The Burridge Company, Winnipeg, have delivered to The G. F. Stephens Lumber, paint, and manufacturers, here, a fifteen horse power gas engine for use in connection with the new paint factory recently established by this firm.

Sutherland & Stelek have purchased the Cockshead & Co.'s agency at Dauphin from Geo. Barker, and has also taken the Deering business formerly handled by Mr. Barker. Geo. Barker will continue the front & wood business.
 Telke & Finkelnstein have purchased the business of the Northwest Hide Co., Winnipeg, of which Mr. Telke has been manager for some years. They are building a new building erected in which they will carry on the business and in the meantime will remain in the old premises.

At the Brandon assizes The Manitoba Farmers' Hedging and Wire Fencing Company obtained judgment against The Stovel Printing Company of Winnipeg, publishers of the Northern Farmer for libel. The damages were fixed at \$1 and the matter of costs was left with the judge for decision.

J. C. Long, who has been manager of the Winnipeg office of the International Correspondence Schools, of Scranton, Pa., has been appointed superintendent of the western agencies of the institution. He will be succeeded in his old position by W. R. Findlay, H. A. Dodge, supervisor, who in the city this week arranging his changes.

A new steel bridge over the Assiniboine river at Portage la Prairie was badly damaged by the floods early in the week. Two of the three spans were swept away and the remaining one was badly tilted. The bridge cost \$1,000,000, the cost being shared equally by the local government, the town, and the rural municipalities. The structural engineer estimates that it will cost in the neighborhood of \$7,000 to repair the bridge. The abutments were not injured.

The Jas. Smart Manufacturing Co., of Brockton, Ont., who last year opened a branch at Winnipeg, putting in a stock of their stoves and furnaces, specialties in sheet hardware and hardware sundries to the stock carried at the Winnipeg branch. This company manufacture an extensive line of hardware goods, in addition to their stoves and furnaces, and it will be a great inducement to the western traveler to save a stock of these lines carried in Winnipeg.

Horace Wilson has returned to Winnipeg from an extensive trip, during which he visited Montreal, Toronto and other points. While east he arranged to handle the goods of the Rible Bros. stove manufacturers, of Carleton Place, and the furnaces and hot water boilers made by the Ottawa

Furnace and Foundry Co. He has also arranged to handle a full line of electrical supplies. He will remain at his old premises on Market street, in the city. Mr. Wilson reports that business is good in the east. The manufacturing establishments are all very busy and many of them are sold ahead for a considerable time.

ALBERTA.

M. Robertson has opened a hardware store at Vegreville.
 T. C. McNeil & Co., have bought the tailoring business of H. Doherty, at Edmonton.
 A McLeod and J. Boyce have leased the Sanitarium hotel at Frank from its proprietors.
 James McKay will establish a general store at Blackfields, in the Lacombe district.
 Chambers & Gray have opened a tinshop at Frank. They will also handle vehicles, harness, saddlery, etc.

The merchants of Frank have agreed among themselves to close their places of business at 10 p. m. on all nights but Saturday hereafter.
 By-laws for \$140,000, for the installation of water carried in overhead pipes, and the purchase of sewerage system plant from the local company at Edmonton, were carried by 100 votes for 35 against, and 107 for 40 against, respectively.

A sale of pure bred cattle will be held at Carleton Place, on May 14th to the 17th days. The sale is under government auspices and will be for the purpose of enabling breeders of pure animals to sell their surplus. The breeders in the Northwest Territories have the privilege of entering animals for sale.
 Starting at 2 o'clock on Wednesday morning five destroyed the livery stable of Bischoff & Grierson, at Edmonton, occupied by Patton & Williams. The building was burned in the stable, and B and W were burned alive. The livery was the largest in town. The firm of Patton & Williams is affected here. Canadian Fire, Royal, Manitoba and Sun.

ASSINBOIA.

J. A. McDonald, blacksmith, Moose Jaw, has taken W. A. Fox into partnership.
 W. Milbourne, general merchant, of Swift Current, has sold out his business to Mr. Gregory of that place.
 Doran & Baxter have bought the harness business of E. McCormick, at Milestone. They will also handle implements and lumber.
 Glenn Bros. have bought the hardware business of Horace Payne, at Milestone. They will also handle implements and lumber.
 A. W. Dalgleish has opened in the implement business at Rouleau. He will build new warehouses for the accommodation of his business.

N. J. Hopper, hardware merchant, of Arvick, has retired from business. S. Hopper retires and the business will henceforth be carried by J. H. Hopper.
 The lumber firms of Willoughby & Duncan and R. H. Williams, Regina, Assa., have amalgamated under the name of the Regina Lumber and Supply Co., Limited.

N. W. ONTARIO.

The barber shop of C. H. Williams, at Port Hope, was destroyed by fire on Sunday morning last.
 W. Clougher intends erecting an hotel at Rat Portage to replace the Queen's, recently destroyed by fire.
 D. C. Cameron has been selected to run as Liberal candidate for the district in which Rat Portage is situated in the forthcoming Ontario provincial elections.

Chas. Fraser has been arrested at Rat Portage charged with setting fire to his hotel there. It is thought the building was fired three times within a month.
 Eben James, of Toronto, was in Winnipeg this week with two cars of apples.

Minneapolis Markets.

Flour—First patents, \$3.50 to \$3.70; second, \$3.30 to \$3.50; in wood.
 Whestuffs—Bran, bulk, \$12; shorts, bulk, \$12 per ton.
 Feed—Course cornmeal and cracked corn, \$20 per ton; ground, mixed, corn and oats, \$21 to \$23 per ton.
 Cornmeal—White, \$2.90 to \$2.65; do., yellow, \$2.40 to \$2.45 per 100 lbs.
 Corn—No. 3, 53c.
 Oats—\$7 to 80¢ per bushel of 32 lbs., as to grade.
 Barley—Quoted \$1 to 61c. as to grade.
 Flaxseed—No. 1 quoted at \$1.73 per bushel.
 Hay—Timothy, \$10 to \$11 per ton; Prairie, \$8 to \$7 per ton, as to quality.
 Butter—Creamery, good to choice, 24 to 26½c; second, 22c; dairy, good to choice, 22 to 24c; second, 21c lb.
 Cheese—Fancy, 12c; choice, 9 to 10c; under grades, 7 to 9c.
 Eggs—Strictly fresh, cases included, 14c dozen.
 Dressed poultry—Turkeys 12 to 15c; geese, 10 to 11c; ducks, 11 to 13c; chickens, 8 to 12c.
 Dressed meats—Hogs, 6½c for light; medium, 7½c heavy. Veal, 10 to 14c; mutton, 5 to 7c; lamb, 4 to 7c.
 Vegetables—Car lots potatoes, mixed, 60 to 65c; onions, \$1.75 to \$2.25 per bushel.
 Beans—Hand picked, \$1.75 to \$2 per bushel.
 Apples—\$5 to \$6 per barrel, as to quality and variety.
 Hides and Pelts—Green salted heavy steers, over 60 lbs., No. 1, 9½c; No. 2, 8½c; cows, over 60 lbs., 7 to 8c; cows, 25 to 60 lbs., 6 and 7c; Veal calf, No. 1, 10½c; No. 2, 8½c.
 Live Stock—Hogs, choice heavy, \$6 to \$6.60; light, \$5.25 to \$6. Cattle, beef steers, 4½ to 6½c, as to quality; heifers, 3 to 5½c; cows, 3 to 5½c; feeders, 3 to 4½c; stockers, 2 to 4c.

Movements of Business Men.
 J. M. Hall, tide book-keeper for the B. C. Mills, Timber and Trading Company, at Winnipeg, is leaving here to take up his residence in Vancouver.
 Norman M. Ross, assistant superintendent of forestry, in his report to the department of the interior, published in The Commercial this week, says that the Ontario maple is hardy in Manitoba as far west as Brandon. While a few specimens of the soft maple (Ontario favor dayacarpum) may be found in Manitoba, it is a mistake to say the Ontario maple is hardy in Manitoba. They have proved too tender to be grown with any degree of safety here. In time this beautiful tree will no doubt be acclimatized here, by obtaining seed from the few specimens which have survived.

THE RIGHT PLACE.

To advertise business for sale, partners wanted, travellers or clerks wanted, etc., is in The Commercial. It reaches the people you want to get at.

WANTED.

Partnership in an established mercantile business, wholesale preferred. Investment up to \$30,000. Address: E. W. M. B., care The Commercial.

WANTED TO BUY.

Butcher Business in Western Manitoba, Alberta or Saskatchewan. Give particulars when writing. I have a good farm for sale, one mile from town. That I will sell or trade for cattle. Butcher supply to N. A. Webb, Dauphin, Manitoba.

FARM FOR RENT.

In Winnipeg District. Apply at The Commercial office.

RARE CHANCE.

General store business and stock for sale on a 100 acre farm in Manitoba. Or would sell the hardware department separate. Would sell or rent building. Address: Huronia, care The Commercial.

A CATTLE PROPOSITION.

I have some snaps in good breeding stock offered me that haven't the finest of the breed. If you want to buy them I will keep them for a share of the live income. Write Larry Kancher, care of The Commercial.

FOR SALE.

The undersigned offers for sale his stock of goods and fixtures at Bonaventure, Ont. This stock, amounting to a value of \$100,000, was sold at turnover last year was about \$200,000. The premises in connection with store, and including a 100 acre tract, are for sale on terms part cash, balance in monthly payments for a month. For further particulars apply to E. J. Boucher, Bonaventure P. O., Ont.

WANTED.

To purchase, at rate on dollar, general store business. Stock \$5,000 to \$80,000. Address Box 983, care The Commercial.

FLOUR MILL WANTED.

A liberal bonus is offered for the erection of a 100 or 150 mill and 30,000 bushel elevator at Alameda, Assa., Apply to J. W. Wilcox, Alameda, Assa.

SITUATION WANTED.

SITUATION WANTED as salesman in general store. Two years experience in dry goods, six years in groceries. Address references furnished. B. Shepard, Dauphin, Man.

FOR SALE.

An up-to-date General Store in the Hazel City and Valley View district, none better; stock \$50,000; well assorted and new. Prospects bright. Apply to Mender & Co., Hazel City P. O., Assa.

WANTED.

Someone with one thousand cash to go horses to Manitoba. Market already in sight for all who handle horses. Address Brochu, care of The Commercial.

FOR SALE.

A township in a growing town on main line C. P. R. good investment for a person with some cash. Also a building under way. For goods and classes. First class chance to start in this line of business. Address X.Y.Z., care The Commercial, Winnipeg.

Employment
 Is not the question for many men. You can make money selling our goods assortment of fruit and ornamental plants for fall or spring delivery. Write for prices. Address—The Jewel Jewelry Co., Lone City, Minn. (Established 1868. One thousand acres.)

WANTED—SEVERAL PERSONS of character and good investment for a share (one in this county required) to represent us in an advertising ad established wealthy business house of solid financial character. \$25,000 weekly, with expenses additional, all payable in cash. Wednesday direct from head offices. Horse and carriage furnished, when necessary. References. Enclose self-addressed stamped envelope. Manager, 315 Caxton building, Chicago.

OVERALLS PANTS TRADE MARK SHIRTS BRAND SMOKS

Our traveller is leaving on his regular Spring trip and will shortly call on you. Kindly save him your overall orders.

The Hoover Mfg. Co. Ltd.
 Maw's Block, cor. King and William (opposite Leland Hotel), Winnipeg.

DO YOU KNOW . . .

that you can have

Flour and Grain Bags

In fact JUTE AND COTTON BAGS of every description made right here in Winnipeg.

We claim that the Bags made in our Winnipeg Factory are unsurpassed in quality and value by any others made in Canada. The printing done in our Winnipeg Factory represents the highest standard of excellence in the art of Bag Printing.

Then why send East for Bags when you can have everything that is desired in the goods made here?

DICK, RIDOUT & CO. MANUFACTURERS

W. G. McMAHON, Sales Agent, Winnipeg

Established 1794.

Hartford

Fire Insurance
Company of Hartford,
Conn.

Net Income:

\$10,028,122.63

Losses Paid Over

\$73,000,000

Insure in the Hartford and
feel SECURE.

W. W. SCRIMES,

Supt., 26 McDermot Ave.,
WINNIPEG.

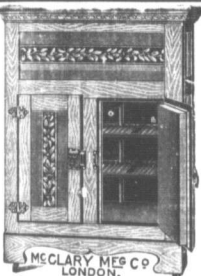
AGENTS WANTED.

To The Trade

Now is the time to place your orders for REFRIGERATORS and ICE CREAM FREEZERS. We are exclusive agents in Canada for the "LEONARD CLEANABLE REFRIGERATORS," which are without exception the best made in the United States.

The "MODEL" (our own make) is also a first class Refrigerator, and although less in price than the "LEONARD" they are equal to the best made in Canada.

We are also agents for the "WHITE MOUNTAIN" ICE CREAM FREEZERS, which have no superior. Prices and all other information furnished to the trade on application.



THE McCLARY MANUFACTURING CO.

183-185-187 Bannatyne Ave, Winnipeg.

London Toronto Montreal Vancouver St. John, N. B.

Before You Order

Your Spring and Winter Underwear give our travellers a chance to show you the best selling lines in the market. Ladies', Men's, Boys' and Girls' full-fashioned Scotch Knit Underclothing made in Merino, Natural Gauze Silk and Wool. All wool, in light and heavy weights, for spring, fall and winter.

All our full fashioned goods bear this label

**WARRANTED
TURNBULL'S**

Ladies', Children's and Infants' Perfect Fitting, Elastic Ribbed Vests, Drawers, Union Suits in white, natural black and scarlet. Ankle and Knee Black Tights, Infants Anti-Grippe and Roller Bands.

THE C. TURNBULL CO. LIMITED
OF GALT

J. N. COOMIS
Winnipeg

JOS. W. MAY
6 Bastion Square, Victoria, B.C.

Stephens' Inks Spring Is Here

We can now ship ink with safety. We have a well assorted stock of Stephens' and Stafford's Inks, Muilage and Paste.

For the coming Holidays we offer you Fireworks, Flags, Cannons, Pistols, etc. For Spring—Tops, Marbles, Skip Ropes, Express Wagons, Croquet, etc. in Season—Moth Bags—two sizes.

Your valued orders solicited.

THE CONSOLIDATED STATIONERY CO. Ltd.

McDERMOTT AVENUE, WINNIPEG

TREES THAT GROW

WRITE AT ONCE FOR SPRING
1902 CATALOGUE

DO NOT ORDER FROM OLD EDITIONS

Fruit trees, small fruits, evergreens and deciduous windbreak stock, ornamental trees, shrubs and plants, house plants and foliage plants for the lawn.—We offer in these lines the most complete assortment in the west. And remember that we have been testing varieties here in Minnesota for over 20 years and catalogue only those that are best adapted to Northern culture.

SPECIALTIES—Okabena apple, Lyman's Prolific crab apple, Aitkin and Surprise plum, Concord cherry, North Star Currant, Red Jack-at-gooseberry.

THE JEWELL NURSERY CO., Lake City, Minn.

Established 1888. 1,000 Acres.

Capital \$100,000.00

TREE PLANTING IN THE WEST.

The Forestry Branch of the Department of the Interior is ready to assist farmers and others in the prairie sections of Manitoba and the Northwest Territories in the growing of forest plantations and shelter belts, the advantages of which does not need to be dwelt on at length.

The Government's System.

The following statement by Mr. Stewart, the superintendent of forestry, is from the recently issued annual report of the Department of the Interior:

1. It is proposed that any owner of land wishing to avail himself of the cooperation of the government in the planting and cultivation of a permanent forest plantation or shelter-belt shall make application to the Forestry Branch at Ottawa, stating the number of the lot on which the plantation is proposed to be made, the nature of the soil and how cultivated, the nearest railway station and distance thereto and his post office address.

2. On receipt of this application an agent of the department will be instructed to visit and examine the land, and if he is satisfied that the nearest soil will be successfully grown thereon he will see to the execution by the applicant of a certain form of agreement which has been authorized by the department, setting forth the conditions on which the government proposes to assist in this work. The agent will also confer with the applicant while on the ground and arrange for the location of the said forest plantation or shelter belt, advising the applicant as to the preparation of the soil, the varieties of trees to be grown, proper system of planting and other details. When necessary the agent will plan or sketch for the use of the applicant, showing how the trees are to be planted.

3. By the agreement the applicant contracts to set apart and cultivate a certain area of the land for a permanent forest plantation or shelter-belt, and agrees that the trees to be grown thereon shall not at any time in the future be cut off or removed so as to injure the plantation, except with the advice or consent of the department, but its understood that the wood and other products of the said plantation or shelter-belt shall belong to the owner of the property. It is, however, provided that the department shall have the right to take the seedlings and seedling trees that are growing up on the plantation, and to remove them if they are not required by the owner to extend his own plantation. It is also provided that the applicant shall properly prepare the soil and plant the trees after planting in accordance with the directions of the agent of the department. The department is providing protection against animals by fencing and otherwise, and against fire by fire guards or other effective means.

4. The department, as far as the means planted at its disposal for the purpose will permit, will furnish seed and other material for planting the said forest plantation or shelter-belt.

5. The department agrees to render the services above specified wholly without charge.

It will be observed that this system is distinctly co-operative in character, and in order to furnish the officers to give expert advice and to see to the carrying out of the terms of the agreement, and in order to assist the owner of the land by supplying him with seeds, cuttings or young trees, while on the part of the owner is required permanently to set apart a small portion of his land for tree growth and to furnish the actual work of preparation and cultivation of the land so set apart, to plant the seed, trees or cuttings, and to take proper care of the young growth after planting, according to the directions of the said agent of the department.

Although the department desires to meet the wishes of the settlers as far as possible, it will be understood that owing to the difficulty sometimes experienced in obtaining seeds

or other plant material, the government will not guarantee to furnish any specific quantity, and as in many localities tree seeds, young trees and cuttings can be obtained from natural woods in the vicinity, it is advisable for those contemplating planting to provide themselves in this way as far as possible.

The department will also be prepared to co-operate with municipal corporations, railway companies and other corporate land holders on lines similar to those above stated for the purpose of assisting them in growing trees along public highways, railway way tracks, and in streets and parks in cities, towns and villages.

SUPERINTENDENT OF FORESTRY.

The following is the form of agreement referred to in the circular:

Ottawa, 1901.
DEPARTMENT OF THE INTERIOR
Tree Planting Agreement.

The Department of the Interior of Canada and

of

mutually agree as follows:

The Department of the Interior shall, as far as the means at its disposal for the purpose will permit, assist in the growing of a forest plantation, wood-plot, shelter-belt, or wind-break by directing through an agent of the department as to preparation of the soil, varieties to plant and manner of planting and as to proper care after planting on

the part of the said

2. The said department will also en-

deavor to furnish tree seeds, seedling trees or cuttings for the planting of the aforesaid area, or in case the quantity of plant material that can be given is not sufficient to plant the whole area in any one season, then such part of it as the supply will allow.

3. The department of the interior shall render all services under this agreement wholly without charge to the

4. The said

part agrees to set apart the above-named area of land for a permanent forest plantation, wood-plot, shelter-belt or wind-break, and agrees that the trees to be grown thereon shall not at any time in the future be cut off or removed so as to injure it for the purpose intended, except with the advice and consent of the department, but it is understood that the wood and other products of the said forest plantation, wood-plot, shelter-belt or wind-break shall be the property of the said

It is, however, provided that the department shall have the right to take the cuttings and seedling trees that may be growing up thereon and also to remove them if they are not required by the owner to extend his own plantation. It is also provided that the

applicant shall properly prepare the soil and plant the trees after planting and do all the actual work in connection with the said forest plantation, wood-plot, shelter-belt or wind-break, in accordance with the directions of the agent of the department. This will include his providing protection against animals by fencing or otherwise, and against fire by fire guards or other effective means.

(Signed)

Owner,

though it was scarcely expected that anything could be done last season beyond making preparations for this spring's planting but it was found in some cases that the applicants had their land in a fit state to plant up last spring and it was thought unwise in such cases to lose a year's time. Accordingly 41 settlers were supplied with seedling trees or cuttings to the number of 58,500, which were planted under the above regulations. During last summer the applications came in by hundreds, and they have continued in a constantly increasing stream. The farms of those who make application are inspected at the earliest possible date after the application is received, and when the land is properly prepared, the seeds, seedling trees or cuttings are furnished.

The Work Already Done in Manitoba.

The report of Mr. A. P. Stevenson, government agent for tree planting in Manitoba, which appears in the blue book, is dated September 17th last, and in the course of it he says:

In accordance with instructions received, on April 16, 1901, I proceeded to Winnipeg, and there met the assistant superintendent, Mr. Ross, consulting together as to the management of the work we went to Brandon and arranged with Mr. Patterson for the furnishing of plant material. After this had been arranged, inspection of land prepared by applicants for trees. These were scattered all over the province, ranging from Morden to Melita, Reston, Verdun, Brandon, Balcar and Morris.

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The inspection of the grounds being allowed lives to be set out is, I think, one of the most important features of the present scheme. At least 90 per cent of the settlers visited have had their timber outlined in a regular grove trees around their buildings. In most cases the lack of proper preparation of the soil was the first thing to blame for the non-success attending their efforts. Many applicants will be disappointed in the results shown in their letters that they have had to prepare the soil before planting. In visiting their farms I have often found that the soil is very far from being a suitable condition for tree growth.

The prevailing idea is that trees should grow any where so long as they are planted, and this is especially true in the prairie. It is very few indeed of the applicants who have any knowledge of the details of planting and setting out, and this is a great disadvantage. It is much more instructive to them than the reading of circulars to which many do not seem to pay much attention. "So far I have had the opportunity of seeing only three of the plantations set out this spring. Two of these are very good indeed, the trees being healthy and strong, and well looked after. In the third case some of the trees were planted rather too shallow and owing to the extreme heat we had here in the spring a good many of the trees died.

Immediately the kinds of trees distributed the different seeds to stand planting rather better than the other two, but the results do not make such a quick growth from the first season as the others. Of the trees I have seen, the following are the percentages in the fall: Elm, 88 per cent; maple, 87 per cent; cotton-wood, 86 per cent. The reason that so many of the cottonwoods failed to strike root is no doubt due to the fact that the soil was not during shipment from Dakota and more delay on account of the customs, many of the young trees being damaged because heated and must be arriving at the final destination.

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At Brandon, Mr. Bedford, soon after four acres of young woods were planted up principally with Manitoba maple (box elder), green ash, and Russian poplar. The poplar cuttings have not proved a success this year as owing to the lack of water they have not followed directly after setting out, they all died up before they had a chance of growing. Mr. Bedford said only three acres in maple seed, but only fair results; the green ash, however, is doing well.

the beginning of June (coaching up thousands of the young seedlings soon after they appeared above the ground. This was done at Indian Head, Mr. Lang collected and sowed some of the birch seed. So far the experimental farms have been successful in raising birch seed, but as it is such a good tree throughout the west it will be a great success if we can manage to grow it in the nursery.

"As the scheme develops it will be almost necessary to have nursery stations at different points along the line so that the young plants may be raised under climatic conditions as early as possible similar to those they will have to face when planted out permanently. There are many trees which will grow well in some parts of the west, and will not thrive at all in others. For instance, in eastern Manitoba the basswood and scrub oak grow to a large size, and the Ontario maple seems hardly as far west as Brandon, as I have seen specimens growing at Portage la Prairie, Nelson and Brandon. The nursery situated in eastern Manitoba would raise trees suitable to that district, and although all the trees which grow in the west, and especially in the eastern part, are of the great range of climate, and more especially elevation, they are all probably more fatal to a large percentage of the stock."

What Farmers Must Do.

The statement of the tree planting this year are now all made, and those who want to do tree planting this year must see that they are supplied with W. E. Stewart, superintendent of forestry, department of the Interior, Nelson and Brandon. The lists will then be classified and as soon thereafter as convenient the inspectors will be sent round. Mr. Cameron in Manitoba and Mr. Ross in the Territories. They will visit each applicant as to what trees are best suited for the locality, give instructions as to how the ground is to be prepared, etc., and the young seedling trees and cuttings will be arranged for and next spring they will be sent to each applicant in time for planting.

FREIGHTS AND INSURANCE.

The regular weekly meeting of the Winnipeg Grain Exchange was held Wednesday, when the most important resolutions were passed. The following letter relating to grain shipments via the C. P. R. was forwarded to General Superintendent Leonard:

"At a meeting of the Grain Exchange held this morning, it was resolved to urge upon you that shipments of grain from country points should no longer be confined to the particular stations defined at present, but that shipments should be accepted from all points in order that dealers may send forward sufficient quantities of particular grades to fill contracts for dealers at the opening of navigation, and also in justice to shippers in general, who require regular elevators for their grain."

Elevator Objections.

The question of how fire insurance rates were to be made up where there was no reference to the same in elevators was discussed and the following resolution passed—

"While viewing with satisfaction the proposed increase in the elevator capacity at Fort William this exchange regrets that the erection of elevators in terminal elevators without some arrangement being made by the railway companies to permit shippers into which elevator their grain will be unloaded so as to permit of the same being insured properly to be placed, and further, that this exchange strongly recommend the construction of metal or concrete elevator buildings in preference to wooden buildings."

The following resolution regarding freight rates was passed:—

Resolved, that whereas the inequality of the freight on important grain from the grain growing districts to lake ports, is most unfair to districts on the coast of the Pacific railway, and especially unfair where such districts are in close proximity to the coast of the Canadian Northern railway; therefore it is resolved that this exchange respect-

fully bring this matter to the attention of the Canadian Pacific Railway company and request a reply as to whether that company intends to meet the claims of the coast of the Canadian Northern railway, and if so, at what date such reductions will be made."

A Navigation Notice.

The following notice was made for the following resolution: On contracts for grain sold for shipment to the spring of navigation (10 days) the seller shall retain (10 days) from the opening of navigation" as follows:

"The opening of navigation" shall be construed to mean the arrival in Port Arthur of the first steamer of the first vessel from lower lake ports through the Sault canal, and the event of ice returning in sufficient quantities to obstruct navigation, then all contracts based upon the opening of navigation "shall be extended for as many days as such obstructions exist."

Coal Miners' Strike.

Dubois, Pa., April 2. All of the bituminous coal mines of the Rochester and Pittsburg regions are closed to-day. The resolutions declaring for a strike in the coal mines of the region, and as a consequence 10,000 are idle. The final clause of the strike resolutions is that the miners shall not be recognized as the employees of the company. The Rochester and Pittsburg companies have refused to recognize the Miners' union, and in consequence the Rochester and Pittsburg company has always refused to recognize union leaders and has insisted upon dealing with its employees as individuals.

Canada N. W. Land Co.

Toronto, April 2.—The adjourned ninth annual meeting of the Northwest Land Company, Ltd., was held to-day at the head office of the company, Toronto, by Mr. J. C. McLean, president, occupied the chair. The directors reported on the business for the past year, and the balance sheet and a statement of profit and loss account. The profit and loss had been increased by \$10,000 and the preferred stock had been paid by \$200,000. A block of land in 15,000 acres in Southwestern Ontario was sold for \$100,000 per acre and an option given on 85,000 additional acres at the price for nine acres. The purchasers to be a proportionate acre yearly and pay for the unpaid balance of the price per cent. per annum. In consequence of the increased price for the shares, purchasers had not anticipated the increase in the price of the shares this year to the same extent as in other years when the price was lower. The cost of lands as they now stand in the company's books had been reduced to about \$16 per acre as against the preferred stock. Out of a balance to the credit of profit and loss account the directors had declared a dividend of 7 per cent. on the preferred stock. The land sales for 1901 were 121,000.35 acres for \$25,119.35 against 7,190.35 acres for \$25,119.35. Following shareholders were elected as directors: William Hendrie, J. B. Oiler, W. D. McLean, J. S. Williams, J. H. McLean, J. S. Williams, S. Shaughnessy, Thomas Skinner, Lord Strathcona.

Revolution in Transportation.

Montreal, March 31.—The council of the Montreal Board of Trade has prepared a petition for submission to the Dominion government setting forth the fact that the present means of products of Manitoba, both by land and by water, are greatly inadequate, and that the present means of transportation to the progress of the country; that in order to complete successfully the development of the west with western United States manufacturers of heavy and bulky goods the means of transportation in Canada of similar goods are in need of greater competition in west-bound freight traffic.

There now exists a considerable discrimination in favor of United States distributing points. It is further pointed out that the lack of transportation facilities is resulting in the diversion of a very large proportion of the surplus crop of the west-bound wheat to seventy per cent. of the surplus crop to Duluth, Buffalo and other United States ports. The government is asked to assist by grant-

ing subsidies or otherwise aid the development of railway facilities to care for the increasing business north of Lake Superior and throughout Manitoba and the Northwest Territories. It is further asked that in order to encourage the investment of capital in an enlarged Canadian marine, a subsidy be granted to two steamers registered ton per annum for five years on all vessels built in Canadian shipyards and which are of a Canadian marine trade on the great lakes.

Strathcona's Manufactures.

(Strathcona Plantdealer.) The Edmonton Milling Co.'s flour mill here turns out six brands of wheat flour, wheat and Graham flour, bran, shorts and chop feed, an extensive business throughout the district and with the fur trade. The Brackman-Ker Milling Co.'s mills here make rolled oats, oatmeal, pearl barley, whole wheat flour and bran, and find a market for their products throughout the Territories and in East Kootenay. Jackson Bros., manufacturers of brooms, make to order all kinds of iron and brass castings, especially for dredge and other machinery. They have in view the construction of an engine frame for a mill at Peace River. Bole's wood and machine repairs of every description are handled by John Walter's saw mills here will manufacture 3,000,000 feet of lumber this season into every part of the province. The building trade is doing well. The Strathcona rough sheeting and plys mouldings, building, shoemakers, tanners, make leather, horse and harness leather, fur pelts, robes, etc. Pollard Bros. manufacture and sell all kinds of excellent quality shawl, tile, etc., of excellent quality suitable for the finest work. Just outside the corporation P. A. and Co. have an extensive brick making plant for the production of dry press and stiff mud brick, so that they will manufacture in order to supply P. A. and Co. with all kinds of brick, and also all classes of wood lathe work. R. B. Kieck has shaws, doors, wood mouldings of all kinds. Three firms of pork packers and meat dressers have their establishments in the suburbs of Strathcona, viz., J. Gainer & Co., The Vogel Meat and Packing Co., Ltd., The Gallagher-Hall Meat & Packing Co., Ltd. These are all engaged in the manufacture of bacon, hams, dried meats, lard, tallow, etc., and are doing a large business. The bulk of the meat is bought by the fur traders of the north. F. Bruher, shoemaker, manufactures not only to order but for the trade, hand-made boots, shoes, shoppeaks, etc., especially heavy winter footwear. The Strathcona Brewing Co. has built a water business in the brewing of export lager beer, ale and porter and in the manufacture of malt for export. Near the bridge on the Strathcona side of the river is located the government butter factory which manufactures a quality of butter second to none, and which is marketed in Great Britain and the Continent. In the factory are built all manner of things, including saddles, buck-boards, barrels, sleds, jumpers, sleds, skates, ferry boats, steamboats and gold dredges. In the last two years three immense dredges with capacities of 2,000 yards of gravel per day and costing \$30,000 each have been built there, and the one now being constructed of the Saskatchewan is yet in its infancy.

A wire from Altoona, Pennsylvania, on Tuesday said: "After a mass meeting of the Rochester and Pittsburg Coal and Iron Miners' union had been held at Puxuxantaw's and Skyeville to-day, the threatened strike was formally called off. It involves 10,000 miners, and will have effect of curtailing the employment of Manitoba coal in the railroad men employed by the Rochester and Pittsburg Railroad Company."

Announcement was made on Tuesday by the officials of the Anthracite and Reading Railway that anthracite coal prices have been reduced 50 cents a ton. This reduction is in force during April only. On May 1 ten cents a ton will be added and equal increases will be made during the first six days of June, July, August and September, after which rate the old price schedule will again be in force. This reduction was ordered by the Anthracite Reduction. Similar action was taken April 1, 1901.

Bank of British North America.

The report of this bank for the six months ending December 31, shows net profits of \$2,515,161, along with the balance brought forward from 1900, enabled the management to distribute a dividend of 10 per cent. on the reserve fund, which has been increased 2,000,000. A prominent feature in the report of this bank is the cash reserves, which amount to 29 per cent. of its liabilities payable on demand, whilst its assets are equal and at short notice together largely exceed the total liabilities payable on demand; in fact, the cash and short notice combined show a net profit of \$1,950,000 during the last six months. The report refers to the failure of a jobber in Victoria, B. C., by which the bank lost heavily, otherwise the net profits would have been nearly \$5,000,000 greater. The statement is made that in the case the bank had been involved by fictitious statements. The business of the bank at Dawson City is said to have been satisfactory to increase, as shown by the augmentation of its deposits and current accounts, as well as its notes in circulation.

National Millers.

Chicago, March 26.—The final steps of the formation of the National Millers' Association were completed to-day. The capital of \$400,000,000 and an annual budget of \$100,000,000 were approved. The federation is the national organization of the various state associations, and in addition will include the National Millers' Association, National Winter Wheat Millers' Association, and the National Association of Millers. The following officers were elected: President, Barney A. Eckert, Chicago; first vice-president, Henry L. Little, Indianapolis, Ind.; second vice-president, ex-officio, E. O. Starnard, Missouri; secretary, E. O. Ellis, St. Louis, Mo. The first annual meeting will be held in Chicago in June next.

Tenders.

Tenders are called for April 12 for \$2,000,000 worth of stone residence for E. M. Morse, Winnipeg. J. H. W. Russell, architect. Tenders are called for April 15, for \$2,000,000 worth of municipality for North Cypress, Minn. J. H. Davidson, provincial treasurer, Winnipeg. Tenders for the supply of 40 Summer Uniform Caps for the members of the Winnipeg fire department will be received up to 3.30 p. m., on Monday, April 14.

Tenders are called for a hospital building to be erected in connection with the immigration buildings, Winnipeg, to be in by April 14. Plans at public work office, Winnipeg.

Tenders for the construction of a court house building at Yorkton, Assa, will be received up to April 19, at the public work office, Yorkton, Assa. Plans at post office, Yorkton.

Tenders for the printing, lithographing, bookbinding and advertising required by the city of Winnipeg during the year ending April 30, 1903, will be received up to 3.30 p. m., on Friday, April 10.

Tenders for furnishing the drugs and other medical supplies which will be required by the health department of the city of Winnipeg for the year ending April 30, 1903, will be received up to 3.30 p. m., on Friday, April 10.

Tenders for Indian supplies will be received up to noon on Monday, 14th April, for the delivery of Indian supplies during the year ending on Friday, 30th June, 1903, at various points in Manitoba and the Northwest Territories. Particulars from Indian commissioner, Winnipeg.

Tenders are called for the supply of the Philadelphia-Quebec and Reading Railway that anthracite coal prices have been reduced 50 cents a ton. This reduction is in force during April only. On May 1 ten cents a ton will be added and equal increases will be made during the first six days of June, July, August and September, after which rate the old price schedule will again be in force. This reduction was ordered by the Anthracite Reduction. Similar action was taken April 1, 1901.

W. J. Lobb has succeeded Thos. Willis as proprietor of the Willis house at Roland.

PERRIN'S

STERLING CREAM SODAS GRAHAM WAFERS STERLING CONFECTIONERY EXTRA FINE CHOCOLATES

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ROYAL CITY MILL, New Westminster
ROYAL CITY MILL, New Westminster
MOODYVILLE MILL, Burrard Inlet

Beet Root Sugar,
(Montreal Gazette.)

A monograph just issued by the United States treasury bureau of statistics traces the growth of the world's production of beet-root sugar, leading up to the announcement, which will probably surprise a great many people, that last year the beet production totalled no less than 67 per cent of the world's sugar production. Considering that it only about seventy-five years since the production of sugar from the beet-root became a commercial possibility, this percentage indicates the immense strides it has made. It was a German apothecary named Margraf, who first discovered that sugar could be obtained from other sources than the cane, and that it was especially to be found in the beet. The fact that only two or three per cent could be obtained made the attempt to manufacture it, a failure. During the days of Napoleon, the high price of cane sugar made beet sugar production possible, but with the end of his career as a ruler came the end of beet sugar and it was not until 1825 that its manufacture was begun in France. By this time improved methods and machines had revolutionized the business, and in 1840 the beet sugar production totalled 59,000 tons of 4.50 cent, and was not until 1850 that its manufacture was begun in Canada. By this time improved methods and machines had revolutionized the business, and in 1840 the beet sugar production totalled 59,000 tons of 4.50 cent, and was not until 1850 that its manufacture was begun in Canada. By this time improved methods and machines had revolutionized the business, and in 1840 the beet sugar production totalled 59,000 tons of 4.50 cent, and was not until 1850 that its manufacture was begun in Canada.

THE SOVEREIGN BANK OF CANADA

Notice is hereby given that a meeting of the subscribers to the stock of the Sovereign Bank of Canada, will be held at No. 4 King street west, in the city of Toronto, on Wednesday, the 3rd day of April, 1902, at the hour of twelve o'clock noon, to determine the day upon which the annual general meeting of the shareholders will be held, and to elect such number of directors, not less than five, or more than ten, as they may think necessary, to hold office until the annual general meeting in the year next succeeding their election; and also for the further purpose of passing by-laws to regulate the following matters incident to the management and administration of the affairs of the Bank, that is to say:

The record to be kept of proxies, and the time within which proxies must be produced and recorded prior to a meeting in order to entitle the holder to vote thereon.

The quorum of the board of directors, which shall not be less than three, their qualification subject to the provisions of the Bank Act.

The method of filling vacancies in the Board of Directors, whenever the same occur, during each year, and the time and proceedings for the election of directors in case of a failure of any election on the day appointed for it.

D. M. STEWART,
Secretary and General Manager.
By order of the Provincial Board.

P. D. ROE, President.

R. ABERNETHY, Vice-President.

T. F. PATERSON, Sec. - Treas.

The Canadian Pacific Lumber Company Limited

PORT MOODY, B.C.

CAPACITY: LUMBER—60,000 feet per Day; LATH—30,000; SHINGLES—180,000.

We have the largest dry kiln capacity of any mill in B.C.; also the largest amount of sheds, and these are well stocked with Manitoba lumber. We have seven planers and are prepared to ship promptly. We understand the requirements of Manitoba dealers. Send us for your next car. HENRY BYRNE, Selling Agent, Winnipeg.

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We are offering the above quality of beautiful young trees, well rooted, about two feet high, for fall and spring delivery, besides a good stock of small fruits, flowering shrubs, Virginia Creeper, etc. This is the largest and finest lot of Russian stock ever offered in the west. Send for descriptive price list to

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CAPACITY: LUMBER—60,000 feet per Day; LATH—30,000; SHINGLES—180,000.

We have the largest dry kiln capacity of any mill in B.C.; also the largest amount of sheds, and these are well stocked with Manitoba lumber. We have seven planers and are prepared to ship promptly. We understand the requirements of Manitoba dealers. Send us for your next car. HENRY BYRNE, Selling Agent, Winnipeg.

HOW TO SOFTEN WATER.

The water supply of the city of Winnipeg is pumped from artesian wells. The water is remarkably free from organic matter, but is very hard, owing to the presence of lime and magnesia. A softening plant was therefore installed, and before the water is pumped into the mains it is subjected to treatment to reduce hardness. Softening plants on this wholesale scale are very rare, the only one in Winnipeg being the only instance of the kind in America. The process of softening the water in this form is a very interesting story. This City Engineer Kuttan explains as follows:

Hard water does its soap destroying or boiler-incrusting properties to the compounds of lime or magnesia which it contains. The artesian well water supplied to Winnipeg contains, in its natural state, the following elements, in round numbers, the amounts stated:

Carbonate of lime, 16 grains per imperial gallon.

Carbonate of magnesium, 8.5 grains per imperial gallon.

Sulphate of magnesium, 12 grains per imperial gallon.

Sulphate of sodium, 5.5 grains per imperial gallon.

Chloride of sodium, 27.5 grains per imperial gallon.

Other compounds are present in minute amounts and are of no significance in this connection. The constituents mentioned have remained almost constant in kind and in quantity for over two and one-half years.

Of the constituents mentioned only the first three cause the water to be hard. Of these three compounds, the softening process removes only the first two, i. e., the carbonate of lime and magnesium. Sulphate of magnesium, while acting to some extent, does not form any scale in boilers.

In order to remove it to such a degree it would be necessary to add the soda ash as well as lime. This would involve expense and other objections out of proportion to the benefit gained.

The removal of the carbonate of lime and magnesium from the water eliminates rather than over-thickens the hardening substances from the water. As explained above, the hardening substance which remains is the least harmful, so that the water is really more thoroughly softened than would at first appear to be the case.

Lime and Lime Water.

It is not generally understood how lime can remove lime from water. The confusion arises from the free use of the word "lime" to cover all the compounds of the element calcium. The lime in the water is in the form of carbonate of calcium, while the lime used for water softening is calcium oxide, two wholly different substances. Lime is made into lime water before it is used for softening water. Lime water is made by adding water with an excess of slaked lime until it has become saturated. After that, even if filtered perfectly clear, it is of full strength still. One thousand imperial gallons of water will dissolve 15 lbs. of calcium oxide.

Hard water at Winnipeg contains carbonates of lime and magnesium besides other substances already mentioned. The importance in this connection, these carbonates are held in solution by carbonic acid gas which the water dissolved from the air or soil before it was able to dissolve the carbonates of lime or magnesium from the rock. Any means which will abstract this carbonic acid from the water will soften it because the carbonates of lime and magnesium will at once separate from the water. Boiling softens the water for this reason, but it would be impracticable and undesirable to soften a public water supply in this manner.

It is possible, however, to accomplish the same thing without the use of heat. If any substance having a strong affinity for carbonic acid is added to hard water, it combines with the acid and sets free the carbonates of lime and magnesium which thereupon separate and settle out as a white powder, leaving the water soft. Such a substance is found in the builders' lime of the trade, the best grade being the cheapest to use. For convenience it is usually converted into lime water. When the lime water is mixed with hard water, flakes and crystalline matter are observed to sepa-

arate at once. These consist of carbonate of lime, formed by the union of the lime with the carbonic acid, and the carbonate acid in the water, also the carbonate of lime which was in the hard water, and the hydrate of magnesium, lime produced by the action of the lime on the magnesium carbonate in the hard water.

It is thus apparent that all of the lime which is used for softening is converted into non-carbonated lime of lime which separates immediately from the water, bringing with it the water and the lime hydrate of the water. It is an absolute impossibility for any of the lime, in the form of the water, to pass through the plant into the mains.

Chemistry Process and Changes.
Expressed by chemical symbols, the chemistry of the softening process is as follows:

Ca—Calcium, the basis of all lime compounds.
CaO—Calcium oxide or "lime" made by burning limestone in kilns.
CaCO₃—Calcium carbonate or carbonate of lime. Chalk and limestone have this composition.

CO₂—Carbonic acid.
CaCO₃ + CO₂—Carbonate of lime combined with carbonic acid as it is in hard water.

CaH₂O₂—Calcium hydrate or "lime slake," the best of lime slakes. The same substance stirred up thickly with water is called "cream of lime."

The chemical changes which take place in softening are as follows:
CO₂ + CaCO₃ = CaH₂O₂ + CO₂ equal
2CaCO₃ + 5H₂O = 2CaCO₃ + 5H₂O.

Lime waters—Carbonate of lime in hard water held by CO₂ + CO₂ equal lime free to separate as powder leaving the water soft; water.

CaH₂O₂ + O₂ plus MgCO₃ + CO₂ equal 2CaCO₃ plus MgHCO₃ + CO₂.

Lime water—Magnesium carbonate in hard water held by CO₂, carbonate of lime separating at once from the water; magnesium hydrate separating at once from the water.

It is evident from the above that none of the lime used remains in the water, but that it acts as a carbonate, bringing with it the previously hardened substances, the carbonate of lime and magnesium.

In carrying out this process on a large scale, the arrangement is as follows: The hard water is delivered through a 10-inch pipe to a weir box or measuring arrangement at a point about 30 degrees above prairie level. Here the water divides automatically into two parts always in the same ratio to each other. The smaller part is mixed continuously with cream of lime and made into lime water, which afterwards mixes with the hard water and softens it in the way mentioned above. As the making of the lime water requires a little time, it is so arranged that the water just starting to be made into lime water forces forward in a constant stream, to mix with the hard water, an exactly equivalent amount of lime water already formed.

In other words the water to be made into lime water, as soon as it falls over the weir, displaces the lime water already made. Mixed with cream of lime, it flows in at the bottom of the lime water tanks where it is readily and clarifies, and eventually flows forward to mix with the hard water. There is thus a steady stream of clarified lime water being forced out of the lime water tanks by the hard water entering below, and the amount of this stream is always proportional to the hard water which it is necessary to soften.

It is necessary, however, that the operator take care that the lime water is always of the proper strength. This they ascertain by chemical tests. Measured samples of lime water are compared with a standard acid solution. If found under strength, cream of lime is supplied at higher rate. If found over strength, the supply of cream of lime is diminished. Two gauges are on the side of the weir box. One shows how much hard water is being pumped to the plant. The other shows how much cream of lime is being used for making lime water. The amounts shown on the two gauges correspond in a simple ratio to each other. When this is done, very little testing is required.

The apparatus for preparing and pumping up the lime cream consists of a slaking tank, a thickener, a slaking valve pump. The speed of the pump is regulated from the operating platform. The lime water is mixed

thoroughly with the hard water in a baffle channel. Thence the turbid soft water flows to the bottom of two large tanks where it deposits nearly all of its suspended matter or sludge. Rising slowly to the top, it flows through floating discharge pipes to the filters which give it its final clarification. A portion of the softened water is pumped from the top of the tanks to carbonating basins, where it meets purified carbonic acid gas and absorbs it. This carbonated water flows into the floating discharge pipes and passes with the rest of the softened water to the filters.

There are seven filters, each one containing about 1,450 square feet of filter cloth surface. Each filter runs about 24 hours. It is then opened and the cloths are removed, washed and replaced. The softened and filtered water passes into a 300,000-gallon service reservoir whence it is pumped to the city.

The water supply of the city of Southampton, England, is softened. It contains practically no magnesia. It is the presence of the latter substance in Winnipeg water which has made softening far more difficult here. The Southampton method of softening is wholly inapplicable here.

On account of the high price of good lime in Winnipeg, the recovery of the waste lime from the softening process is being seriously considered. This will require a plant for purifying the sludge by removing the magnesia. Frescos, drying apparatus and special kilns would also be needed. It would be possible, however, to make high grade lime as about one-third of what it is now costing.

Cost of Operation.

Economics in operation which may

be effected at any time are as follows:
(1) Recovery of the lime from the sludge.

(2) Purchase of acid by the railroad. It should also be remembered that the fixed charges for labor, interest, etc., remain practically unchanged whether much or little water is pumped. Just now the form is in large proportion than they will later.

Analysed.

The following analyses by Prof. B. Kenrick, of the University of Manitoba, show the character of the water before and after treatment:

Parts per Million Before	Parts per Million After
Calcium	91.5
Magnesium	67.5
Iron and Aluminium	425
Sodium	167.2
Silice	7.5
Sulphuric Acid (804)	172.9
Chlorine	242.0
Hardness as CaCO ₃	510.4

From the above it will be seen how the water in its natural condition is much too hard for general household and boiler use. It was, therefore, decided by the council to have the water softened.

Speculators have been operating heavily in Dominion steel stocks in Montreal, and the price has been pumped up to a point beyond legitimate values.

The Rat Portage Lumber Co. are running their planing mill over the area and making active preparations to start up their big saw mills at an early date.

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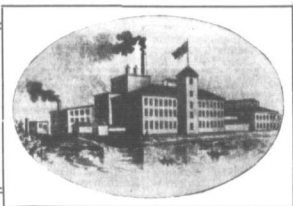
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If you use Page Fence you will like it, but
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VELOPE. SAVES LABOR, TIME AND
EXPENSE. Used extensively by all
Banks, Merchants, etc., throughout the
Dominion. Used in the city by the PRO-
VINCIAL GOVERNMENT, Alloway &
Champion, A. J. Brown & Co., Forrester
& Hatcher, E. Knight & Co., G. F. Bis-
chof, Dr. Leming, Dr. English, Win-
nipeg Coal Co., and a host of others.

"5 in 1" LETTER ENVELOPE CO.

TORONTO.

Manager for Winnipeg,
LEWIS SAMUELS.

WINNIEG PRICES CURRENT

Replying to Mr. Oliver in the Dominion House Mr. Sifton said that 9,491,732 acres of land were patented to the C. P. R. to March 1, 1902. There were also 1,002,003 patented to the Calgary and Edmonton road.

The Alpha Portland Cement Co. of Chicago have been awarded the contract for Winnipeg's cement supply for the current year at 4.6 cents per 100 lbs. From 10,000 to 17,000 barrels will be required. This is a wonderfully low price, as when freight and duty is paid, it leaves very little for profit as the price quoted is laid down at Winnipeg.

A dispatch from Chicago this week said: "A wireless telegraph system giving connection between ships in mid-lake and the mainland, may soon be an appliance of lake going steamers. The managers of one of the companies are considering the fitting of all boats, passenger and freight, with sending and receiving stations of the Marconi pattern."



The Hygiene Kola Co., of 206 Pacific avenue, Winnipeg, has received the following testimonial, which speaks for itself: "Gentlemen—it is with pleasure that I testify that I have used your Kola, Cely and Pepsi for two months and find it a good medicine for Dyspepsia, of which I was troubled for several years. I recommend it to all those suffering from Indigestion and Dyspepsia. I am yours truly, REV. D. A. ROCCA, B.A. Elm St., Toronto."

TO HUNTER, MITCHELL & CO.

Importers and Manufacturers

High Grade Coffees High Grade Spices

"Best Excellent" Cocoa "Most Excellent" Chocolates Baking Powders Flavouring Extracts, Etc.

TORONTO - ONTARII

LEITCH BROS.

Oak Lake Flour

"Anchor Brand" Flour

FROM NO. 1 HARD WHEAT.

Bran, Shorts and all kinds of Chopped Feed and Grain.

A DRESS OAK LAKE, MAN.

GROCERIES.

Prices to retail dealers for ordinary lots, with usual discounts for cash or large lots.

Table of grocery prices including Canned Goods (Apples, Peaches, Beans, etc.), Groceries (Rice, Corn, etc.), Cereals (Wheat, Flour, etc.), and various oils and fats.

Table of commodity prices including Matches, Syrups, Sugars, and various oils and fats.

Table of meat and other goods prices including Cured Meats, Smoked Meats, and various oils and fats.

Working Shoes NINE SELLERS



No. 1109—Men's Split Harvest Slip, sole, pegged, low price, staple line.



No. 1351—Men's Grain Harvest, single sole, pegged, staple as sugar.



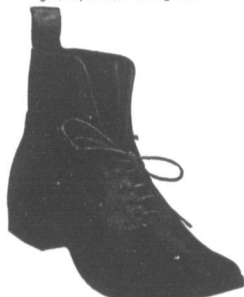
No. 1349—Men's Grain Blucher, pegged, slip sole; a strong line.



No. 1356—Men's Grain Congress, single or slip sole, sizes 6 to 12. Our Prairie line.



No. 1131—Men's Grain Congress, single or slip sole. Not the cheapest but the best.



No. 1104—Split Grangers, slip sole, pegged, rivetted seam. This line is low in price but high in quality.



No. 1344—Grain Grangers, outside counter, double soles. Wears like iron.



No. 1270—Split Plow, extra heavy, large eyelets. Heavy weight; price light.



No. 797—Kip Blucher, slip sole, pegged, whole stock. The leather that wears.

WE HAVE MANY OTHERS JUST AS GOOD. All kinds—Men's, Women's, Boys, Youth's, Misses', Children's and Infants. Immediate orders shipped the same day as received.

THE AMES HOLDEN CO. Winnipeg ✦
✦
✦ **If you Want Rubbers
we sell Granhy's**

STATISTICAL WEEK REPORT.

WHEAT IN CANADA.

Stocks of wheat in Canada at principal points of accumulation are reported as follows:
Montreal 73,000
Toronto 84,000
London Harbor, Ont. 154,000
Cobalt, Que. 20,000
Kingston 25,000
Fort William, Port Arthur and 5,592,000
Winnipeg 12,900,000
Manitoba elevators 12,900,000

Total March 22 19,157,000
Total previous year 18,363,000
Total a year ago 792,000

BRAIDSTREET'S REPORT OF STOCKS.

Total stocks in the United States and Canada, east of the Rocky Mountains, as reported by Braidstreet's March 22 were 7,842,000 bushels, an against 8,043,000 bushels the previous year.

Total stocks in the United States and Canada a year ago were 7,850,000 bushels, according to Braidstreet's report. Stocks of wheat at Pacific coast ports on March 1 were 5,842,000 bushels.

THE VISIBLE SUPPLY.

The Chicago visible supply statement of stocks in the United States and Canada, east of the Rocky Mountains for the week ending March 25 was 69,615,000 bushels, being a decrease of 22,323 bushels for the week a year ago. The visible supply was 57,476,000 bushels, two years ago 45,240,000 bushels, three years ago 25,967,000 bushels, four years ago 30,223,000 bushels, five years ago 38,612,000 bushels.

STOCKS OF OATS AND CORN.

The visible supply of oats in the United States and Canada, east of the Rocky Mountains, was 2,192,000 bushels, compared with 11,150,000 bushels a year ago. The visible supply of corn is 8,790,000 bushels, compared with 10,400,000 bushels a year ago, according to the Chicago statement.

WORLD'S WHEAT STOCKS.

Stocks of wheat in America and Europe and about for the East in each year for a series of years, were as follows—Braidstreet's report:
1902 1,000,000
1901 1,000,000
1900 1,000,000
1899 1,000,000
1898 1,000,000
1897 1,000,000
1896 1,000,000
1895 1,000,000
1894 1,000,000
1893 1,000,000

WHEAT MOVEMENT.

The following table gives the receipts of wheat at the four principal United States spring wheat markets, from the beginning of the crop movement, from the beginning date, compared with the same period of last year.
This crop. Last crop.
Minneapolis 7,382,526 4,566,630
Milwaukee 4,900,000 4,917,520
Duluth 3,720,978 15,666,602
Chicago 113,882,520 118,341,281

The following table gives the receipts of wheat at the four principal United States winter wheat markets, from the beginning of the crop movement, July 1, 1901, to date, compared with the same period of last year.
This crop. Last crop.
Toledo 4,628,288 3,816,853
St. Louis 1,944,966 18,747,771
Detroit 2,798,200 2,648,779
Kansas City 1,177,748 32,823,217
Total 10,549,208 64,036,210

Winnipeg Prices a Year Ago.

Following were Winnipeg prices this last year:
Wheat, Cash No. 1 hard closed at 79 1/2c in store; Fort William 79 1/2c.
Flour—Jobbing price per sack: Patent, \$2.10; best extra, \$1.95.
Millstuffs—Bran, \$1.00 per ton; shorts, \$1.17 per ton delivered.
Oats—Exports on track, Alberta 41 @ 4c; Manitoba, 39 1/2c.
Barley—None offering.
Corn—In car lots, 52 1/2c per bushel of 56 lbs.
Butter—Dairy, 15 1/2c per lb.; creamery jobbing at 25c.
Eggs—10c to retail merchants.
Cheese—12c net for fresh stock.
Potatoes—Farmers' loads on the street, 40 1/2c per bushel.
Dressed meats—Beef, 15 1/2c for city dressed country, and under these figures, veal, 16 1/2c; mutton, fresh, 19 1/2c; hogs, 9 1/2c.
Poultry—Dressed chickens, 7 1/2c; ducks, dressed, 8c; geese, 8c; turkeys, dressed, 10c to 16c.
Game—Nominal.
Hides—No. 1 hides, 5c per lb.
Wool—Spring for best dressed fleeces, 40c; Runo, 35c per lb.
Baled Hay—\$8.00 per ton in cars.
Live Stock—Cattle, \$1.00 per cwt.; hogs, yearlings, 11 1/2c per head; sheep nominal; hogs, 9 1/2c.

Manitoba Wheat Stocks.

There were 5,225,130 bushels of wheat in store at Fort William and Port Arthur on March 31. A year ago stocks in store at Port William were 2,196,280 bushels. Two years ago there were 3,510,000 bushels. Stocks in store at Port William, Port Arthur, Kewatin, Winnipeg, and interior points are estimated approximately at 18,742,000 bushels, compared with 11,120,000 bushels a year ago, 9,000,000 bushels two years ago, 8,250,000 bushels three years ago, and 3,400,000 bushels four years ago.

Grain Inspection.

During the 10 days ending March 31 there were inspected 1,012 cars of grain, comprising the following:
Wheat—No. 1 hard, 31 cars; No. 1 northern, 302 cars; 2 northern, 443 cars; 3 northern, 22 cars; No. 4, 4 cars; rejected, 1, 6 cars; rejected 2, 3 cars; condemned, 2 cars; no grade, 40 cars; rejected 1, making a total inspection of wheat of 922 cars.
Oats—No. 1 white, 4 cars; No. 2 white, 31 cars; 2 mixed, 17 cars; feed, 21 cars; no grade, 2 cars; total, 77 cars.
Barley—No. 3, 3 cars; feed, 2 cars; no grade, 1 car; total, 6 cars.

The inspection returns for the month of March show as follows:
Cars.
Wheat—
One hard 85
One northern 1029
Two northern 1581
Three northern 63
No. 4 20
Rejected 18
No grade 102
Feed 16
No grade 102
Condemned 2
Rejected 3
Oats—
One white 4
Two white 183
Two mixed 1581
No grade 5
Barley—
No. 3 6
No. 4 5
No grade 1
Flax—
No. 2 2
Total 3247

Grain and Milling Notes.

A contract for the proposed farmers' elevator at Darlingford, Man., has been let.
The Winnipeg Elevator Co. have a gang of 17 men at work on a new elevator at Darlingford, Man.
W. Moffat is endeavoring to secure a municipal loan towards the establishment of a flour mill at Strathclair.
W. S. Ross, a flour mill expert from Goddick & McCulloch's, of Galt, Ont., is in Manitoba on business. The Hurdley Co. are agents for this firm.
The Canadian Northern elevator company at Port Arthur, Ont., is to be doubled in size. Tenders for a steel tank storage elevator of 1,500,000 bushels capacity are now being received at this station. The elevator is to be finished so as to be in readiness for 1902 crop.

A report from Portland, Ore., on Saturday, March 23, said: Portland has more wheat afloat for the United Kingdom at the present time than ever before in the history of the port. There is now on passage between this city and Queenstown a fleet of 82 sailing vessels carrying approximately 8,000,000 bushels of wheat.

Discussing plans at Fort William regarding the sale of the C. P. P. elevator there, Wm. Whyte has said that the new elevator would very likely be built of concrete. The advantage of an elevator of this material, is one that will be felt by shippers in no small degree. Wheat kept cooler in concrete bins, and besides, the fire insurance will be lighter, and the building expenses. The cost of concrete will not be any greater than steel.

The near approach of seed time reminds the farmer of the necessity of looking closely into the quality of the grains which he will use for sowing his land this year. The usual precautions against smut should by no means be forgotten and the best method of treating seed for this disease should be adopted. Bluestoning is still probably the favorite method of

treating wheat, although formalin is also largely used. For oats and barley formalin is the favorite smut preventive.

A report from Montreal says: The elevator men who were seeking the contract for the big Canadian Pacific Railway elevators at Fort William, the cost of which is roughly estimated at \$1,000,000, have dispersed, and it is understood, have agreed on the cost of wooden elevators, owing to the impossibility of getting the steel required immediately for the building of steel elevators.

Flax will, a name applied to the drying out of whole fields from an obscure disease believed to arise from the impoverishment of the soil, has been investigated by Professor Holley, of the North Dakota Agricultural College, Fargo. The wilt is due to a minute fungus parasite which grows on the inside of the flax plant, and is practically indestructible, getting into the roots and soil and remaining there for years. The disease is passed on to new soils by means of the seed flax. At threshing time the fungus is rattled off the straw on to the seed, and remains there. Professor Holley has issued a pamphlet on the subject—Minnesota Commercial Bulletin.

Ottawa has a prospect of a telephone service at the rate of \$15 for an office and \$10 for a residence.

The great amount of water on the prairie this spring has demonstrated that many of the culverts and water courses provided in building railways throughout Manitoba are too small. In some cases lands have been flooded on account of the insufficiency of the escapes provided by the natural channels, in building railway grades.

WANTED—SEVERAL PERSONS OF character and good reputation in each state (one in this city required) to represent and advertise old established wealthy business house of solid financial standing. Salary \$300 weekly, with expense additional, all payable in cash each Wednesday direct from head office. Horse and carriage furnished, when necessary. References. Enclose self-addressed stamped envelope. Manager, 314 Exchange building, Chicago.



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LICENCED AND BONDED.
THOMPSON, SONS & CO.
GRAIN COMMISSION MERCHANTS
All grades of Wheat, Oats and Barley handled. Best prices; prompt returns. Liberal advances on B. L. Write for further information. WINNIPEG.

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GRAIN EXPORTER
230 GRAIN EXCHANGE WINNIPEG 12 STORE EXCHANGE MONTREAL
Direct connection with European markets.

THE DOMINION ELEVATOR CO. LIMITED
GRAIN EXPORTERS

OFFICE: GRAIN EXCHANGE, WINNIPEG.
KIRKPATRICK & COOKSON
Montreal.

Consignments of Grain and Manitoba Produce solicited. Toronto.
P. O. B. Orders of Wheat, Barley, Oats, etc., requested.
Established 1850. Manitoba Grain Code used.

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THE WINNIPEG ELEVATOR CO. LIMITED
GRAIN EXPORTERS
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ROBT. MUIR & CO.
GRAIN DEALERS AND MILLERS
SHIPPERS OF WHEAT, OATS, BARLEY, FLAX, FLOUR, BRAN, SHORTS, SHUCK.
Buy or sell on commission. Before buying or selling grain in car lots, write or wire us for quotations. Advances made on consignment. Licensed and bonded. WINNIPEG, MAN.

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ROYAL DOMINION MILLS, TORONTO.
CAPACITY, TO BULK DAILY
MILLERS OF No. 1 Manitoba Hard Wheat

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C. E. McPHERSON,
General Passenger Agent,
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WANTED

Local agents or travelling salesmen for Manitoba and the Territories, to handle a complete line of nursery stock, fruit trees, ornamental trees, seed potatoes, small fruits, etc. We grow special lines of hardy Russian stock, adapted to cold districts. Sample cases, etc., supplied free. For terms apply now.

PELHAM NURSERY COMPANY,

Toronto, Ont.

N. B. Special inducements to farmers who can only work part time at the business. Handson catalogue free on application, which gives valuable information concerning ornamental and fruit stock.

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BROOMS
BRUSHES
BASKETS

From the cheapest that's good to the best that's made.

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WHOLESALE WOODENWARE.

147 Bannatyne Ave., Winnipeg.



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EAST, SOUTH AND WEST

CHEAP TICKETS TO CALIFORNIA

With through Tourist Car, every Wednesday, via Portland and Shasta route.

OCEAN TICKETS.

On sale to Great Britain and the Continent; also to Atlantic ports, etc.

Trains leave Winnipeg daily at 1.45 p.m., from Canadian Northern Railway station. Water street first-class equipment, including Pullman and Dining Cars.

For further information call on nearest Canadian Northern Ticket Agent, or write **CHAS. R. FERGUSON,**

Gen. Pass. & Ticket Agt., St. Paul, Minn., or

H. SWINFORD,

Gen. Agt., 201 Main Street, Winnipeg.

ATLANTIC STEAMSHIP LINES.

Allan Line—From St. John. April 5

Tunthian April 12

Allan Line—From Halifax. April 12

Tunthian April 19

Corinthian April 26

Beaver Line—From St. John. April 4

Lake Ontario April 18

Lake Superior April 18

Dominion Line—From Portland. April 12

Californian April 12

Colonial April 28

White Star Line—From New York. April 9

Majestic April 16

Germanic April 16

Canard Line—From New York. April 5

Umbria April 12

Compania April 12

Canard Line—From Boston. April 8

Sylvania April 8

Ivernia April 29

Dominion Line—From Boston. April 12

New England April 12

Mervin April 19

American Line—New York. April 9

St. Louis April 16

Philadelphia April 16

Red Star Line—From New York. April 9

Southwark April 9

Vaduz April 15

Allan State Line—From New York. April 5

Mongolian April 15

Carthagenian April 15

Anchor Line—From New York. April 12

Astoria April 19

Anchorage April 19

RATES—Cabin, \$50, \$55, \$60, \$70, \$80 and upwards. Second Cabin, \$35, \$37.50, \$40 and upwards. Steerage, \$24.50, \$25.50, \$26.

Passengers ticketed through to all points in Great Britain and Ireland, and at especially low rates to all parts of the European continent. Prepaid passage arranged from all points. Apply to the nearest steamship or railway ticket agent, or to **W. F. CUMMINGS,** General Agent, Winnipeg, Man.

Mrs. Schoppen—"What's the price of this silk?"

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Mr. Schoppen—"Decollete?"

The Salesman—"Yes, madam. Cut low."

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J. K. MACDONALD, Managing Director.

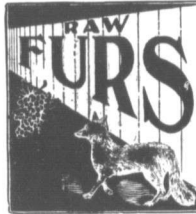
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HENRY WORSELY, City Agent.

Brandon Office **F. W. GILL, Cashier.**



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TEBB & PERRIN, Agents, Winnipeg.

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