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| Ootlongden, Tlokinge, Denime, Awninge Shirtinge, Flannelettes, Gligghame <br>  Yarni, \&o. <br> Tholesale grode ouly 位uppliod. $\qquad$ | J. A. FINLAYSON, CUSTOMS BROKER, |
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 bueiness mien should bour in mind that the "Journal of Commerces" will not acoopt advertisements through any agents not specially In its employ. Its oiroulation-axterding $h$ all parts of the Dominion-renders it the beat advertising medium in Canada-squal to all others combined, whele its rates do not include hoavy oommissions.-The New Orleans cotton ring made a, $, 000,000$ on July cotton.
-There have been more discoveries of lignite in northern Ontario.

- The revenue of Hull, Que., will not meet expenditures, and the deficit now aggregates \$156,694.
--The report is confirmed, suys a London, Ont., letter, that the railway people are buying or leasing land for the belf line, which is intended to connect all the steam railways that enter the city.
 ther is favorable for filing, ripeninin and harresting. The crop is estimated at fiftyeight millions of wheat for Manitoba and the Territories, whieh will be six millions shorter than last year. It is expastec to sell at at phytery price, hovevere, ano farmers will thus do as well ha last year, ast they will eave in the cost of harvesting.
I2We Hearn from St: Thomas; Ont, that Whs Jo. MeLaws, barristes, on behalf of Mrs. E. A. Stacey, or Toronto, a stockholder in the Elgin Loan Company, has fled objection to the right of the Elgin Loay to make calls to place Mrs. Stacey on the list of contributors, on the ground that the loss sustained by the company was carsed throngh the nugligence of the company, and that the holders of unpaid sfock should not be held liable.


GOODYERR WELTED RND MK.S.

The first an on the Preston \& Berlin Elertrid Railway
was run from Berlin, Ont.. to Galt on Saturday last.
-Grand Trunk Railway System.- Farnings 15th to 21st August, 1903, $\$ 747,402$ : 1902. $\$ 622.407$ : increase, $\$ 124,905$.
-The city of Qucioce has sold $\$ 100,000$ of 30 -year three and a half per cent. bonds at 94 to Farson. Leach \& Co., of New York.

The rate of packing house products for export from Toronto to New York, Boston and Porfland is to be reduced ffter August 27. The present rate is $231 / 2$ eents per hundred pounde: the new rate will be 22 cents.

The tank steamer Imperial arrived at Toronto on Saturday last with 180,000 gallons of oil. The shipment was made at (leveland, and was the largest of the kind received at that port. The enstoms duties amounted to noarly $\$ 11,000$.

## Champions, Davies \& Co.

## $\overline{=}$

MANUFACTURING CONFECTIONERS, BRISTOL, Figgland

Makers of High Class Candies,
and Sweetmeats of all kinds.
SPECIALITIES :-Manzipan Fancies. Bouquet Lozenges Best Gum Goods, Cream Goods, \&e. \&c.

Special prices under Canadian Tarlff
Full price lists free on application.
Terms : F. O.B. BRISTOL
Cash agatnat bill of Iading.
E. Mackay Edgar, Wm. J. Bellingham, J. Lome Edgar and C. Franklin Hibbert, of Montreal, with C. H. Cahan, of Halifax, are chartered as the Regal Packing Company to deal in contensed, canned and evaporated frutis and vegetables, with headquarters in Montreal and a capital of $\$ 20,000$.

The Japanese Consut Neneral T. Nosse, writes to the department of agriculture stating that owing to cloudbursts and floonts the erbp of rice in. Tapan this year with be mitioh tighter than usual. He suggests that now is a good time to push the sale of Canadian flour.
-A Victoria letter states that Mr. Dunsmuir will build another big car ferry to carry twenty-eight loaded cars. This will supply coal and coke to coast smelters, as well as carrying these commodities to mainland points for transhipment east. He hopes to equip a new barge with turbine engines.

The financial statement of the Province of Quebec for the year ending 30 th June, 4003, made public in the Official Gazette, is as follows:-Revenue for the year, 4,708,296.43; expenses, ordinary and extraordinary, $\$ 4,509,584.23$; surplus revente over ordhary and extroordinary, $\$ 103,712.22$; extraordinary expenees, $\$ 60,443.77$; surplus of ordinary expenses, \$130,756,98.
-In comection with the British Iron and Steel Institute, which will meet at the beginning of September at Barrow-inFurmess, J, E: Stead says that will disolose a discovery that will revolutionize the manufacture of steel. He finds that by simply heating dangerously orystalline steel to a certain temperature, howevel bed the steel, it is possibte to restore it to a normal condition, and fien to improve it.
-Pending an ugreement as to the separation of the Dominion Iron and Steel Oo, and the Dominion Ooal Oo., about which there has been such a difference of opinion on the part of the members of the directorate, Mr. J, H. Plummer, who, upon the retirement of Mr. James Ross, was appointed president pro them, has appointel' a committer of management, consisting of Messrs. W. McMaster, of Montrear; F.. Nicholls, hf Toronto. ant TV. B, Rosis, of lialifax. "h a
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## R. WHITE \& $\mathrm{SON}_{2}$ Widnes, England.

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The steelmakers of Germany have, it is reported from Fissen, Prussia, reached an agreement not to sell partly finishad goods abroed below ecrtaitn prices. The details of the agreement are kept secret, but the object is both to obtain hetter returns for the product and to preclude.German finished goods coming into competition abroad with foreign work manufactured from German materfat exported at lower prices than sold at home.

It is reported from New Orleans that W. P. Brown and his associates cleared $\$ 7,000,000$ in their Juty cotton corner. 11. I. Sulty whs not one of the maniputators of the big ring. While he made a big winning at the beginning of the campaign, later he thought that the time for nigh-price cotton to decline had come, and got on the wrong side. The combine made $\$ 9,500,000$ on the actuat spot cotton they handled, and in the closing out of open contracts, where it was impossible or the shorts at their mercy to avoid being squeered, a sum equally as large. They bought 250,000 bales of cotton at an arerage of 9 cents a pound. Afthough spot cotton is now selling at $12 \%$ cents a pound, the average selling price of the 250,000 bales by the clique was 12 cents, or $\$ 8,500,000$ gain

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## Oity of London Glycerine' Size.

For Dressing and Beautifying, Manufac turers' and Dealers' Stock.

Prito Llatu and Samplee on Applioation.
Q, Sumil Srater, Lainont, EG, ain
Wo mupply thives, vey p.o. to Conedles, under the Now
on the spot cotton. The cotton they bought for 811,250 bem they sold for \$15,000,000.
-The expedition which the Dominion Government is send ing to Hudson's Bay to investigate the hisheries and mining resources, sailed from Halifax on Sunday: on the Newfoundland stemmer Neptune. 2hr. Low, who is in charge of the party, says that the steamer will first touch at Naehbak on the Iabrador coast, near the fiudson Strait, where an Es nimaux interpreter will be taken on board; thence to Cumberland Gulf end from there to Baitin's Land, where the whaling stations will be inspected. After that she will proceed horth of Chesterfield Inlet and remain for the winter and from there the purty will start out on sledge expeditions, He says the Neptune will probably return here in 1904.
agains a resuit of the threatened proceedings by Ottawa city insuram the Underwriters' Association for increauing the fire insurance rates in that eity, the Porth Mrutial Fire Insurance Company of Stratford has closed its agency at Ottawa, and withdrawn from the field there altogether, Referring to this action, Manager Packert said "We have taken this step because we do not think it safe for at company of our sire to accept risks in Ottawa, for there have been a number of large conflagrations there recently, and we have been inter-

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Price Lists, Illustrated Boolklets, Circulars, Be., Malled free on application.
ested in several, though not heavily. We do not deem it safe to do Iusiness in view of the risk the large piles of lumber within the eity entail!"
--The sum of one hundred and twenty-five thousand dollars is said to have been paid for the patent rights in Canada upon a metre which will measure electricty, and a dispute between the members of the company which is to manutacture the metre is now closed. Mr. J. H. McClellan of Peterboro', says the Toronto Globe, has been in the eity for the last week engaged in making a settlement in the Geo. S. Gowlland metar suit. There was friction between the mmbers of the Gowlland Company, and Mr. McClellan has succeeded in having the case taken from the high court and the tureign patents were placed with the Toronto General Trust Co., it being left with that company to carry out the agreement made by

## Sedgley, Tyler \& OO.,

 Wholesale and Export Manufacturoes,Fieat Street Bullatag, - LetonsTan, ingeland

Apmoralimime
Poppler Prices.
Ladies' Fine Boots and Bhoes.

School Poote:-Boy' and Gtris',

These Shoes are mide for the Oakadian market, ander the sow Proforentlal Tarit of $881 /$ p.a. ta favour of Onpadiane.
the inventor. Mr. Gowlland, with other members of the com peny, has arranged that the offer for the Canadion patents of $\$ 125,000$, which heis been pending for some time, be accepted, thus elosing the patents for Canada.
-The officials of the Montreal Street Railway Company received copies of the agreement arrived at between the special committee and the mianagement of the company for the organivation of a mutual benefit association. The affairs of the association shall be managed by a committee composed of five members to be elected annually by the members of the assoriation and an equal number to be nominated by the Board of Directors of the company, and In addition the general manager of the company shall be president and ex-offlcio mem-

## James Allen \& Son,

a Retablished vo youn. s. 0 . BREvens, nventorn and Propritero Tranufacturers of the
Portable Turkish Mot-Air and Vapour Baths,
Bronchtife Rettles and Slok Rorm Appliapces $21 \% 25$ Hirtlebonis lall. Oaftond 8treet,
LONDON, W., Zaglant
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shall concribute to the funds of the association a sum amm-
 ore as the directors of the company may from time to time

The Bonte of Dfrectors of Soo met in Minveapalis recentys and den lared a dividend on stock for the chitendar year 1902. The divident on preferred is 7 per cent. and on tommon 2. This i the first time fin the history of the road that a divitent has been declared on common stock. The stirplus capable

Works: Poplar, Limehones, hod Milwall.
Triserame: "Lockiancoe, Londop," or "Sonjon, fondon." Codes : A B C, 4th Eailomi, A I, and privat


Latex, Lancaster
and W. W. \& R. Johnson \& Soms ith. 94 Oracechurch Street. Lend panaiditheff OM LONDON, Eng.

## MANUFAOTUREB

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trephe Trefliknown St: Latwrence Hall, Cocouna, Que., wan des. troyed by fre 6 on the 25 th instant. The structure was frame and was built some forty years ago. The building and furniture were inssured in the following companies: British Ameri-
 Scottish Union, 81.500 , Commercial Union, \$1,500; Nationq,

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The BAT Motor Manufacturing Oo.,


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HE CANADA LIFE'S new business for the first half of 1003 exceeded that of any similar period in the Company's history.

INSURANOE OOMPANIES plefing ordere for Prititing thould meme it Pall contracts. We have facilities for handing Insurance work to the best advantage their are thus enabled to give our customers the benefit. If you ave interested in any way write, of come and see tu,

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ASSURANCE CO'Y. HOOME AMD FUWD 1901
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Head Offloes:-Loncon and Aberdeen.
Canada, Montreal, 1780 Notre Dam. St
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## PHCENIX

## Assurance co' ${ }^{\prime}$ ol Ltd

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Goverpment, Municipal and Raliway securtites bought and sold. First olan securtite sultable for Truat Funds always of hand. Truet Retates managed.

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Onpital and $A \mathrm{c}$ mual demand increnses for lanking arcommodation needed ter barvest operations and moving the crops to market, a demand that always expands the amoint of notes in cireulation. two points in the bank returns, viz, the runouit of money available to meet this requirement, and the margin left for enlanging the note eurrency, become especiatly of interest. The bank refurn for Tilly presents conditions which, on the whole, may be regarded as favourable in regard to both these important points, As compared with the situation at same date last year the figures stand as follows:

ONE OF THE

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T. D. Ricmamben, Agetstant-Manager.
 1878 Notre Dame at

## The Imperal Life Assurance Co.

EAS The Largest Government

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Of any Canadian Life Company, thus showing the security and the quality of its policyholders.

A very interesting renewal contract will be offered to a few first-class agents. Write
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Capital Oirculation. Deposits. Total.

## THE MANCHESTER FIRE Assurance

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OAPITAL, - . $10,000,000$
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Estimated exce
fuly 31, 1902. . $\$ 69,733,731$ \$52,070,065 $\$ 387,855,067$ \$509,659,493 over loans a fly 31, 1903.. 77,008.ces $57,563,065 \quad 418,489,292 \quad 553,146,022$ Fixcess 1903 over
1902......... $87,250,805 \quad \$ 5,493,600 \quad \$ 30,633,025 \quad \$ 43,487,130$

If it is assumed that the season's demand for harvest money will be equal this year to what it was in 1902, there will be an expansion of the current loans, sliscounts and call loans, that will raise their aggregate At the end of October to about $8489,994,326$, which would bee an ingrease of $\$ 25,918,112$. Assuming that the

In 1902 the tween July and by an increase ; 858.908, and in those increases circulation expan ne in 1902. the Would leave a $m$ and the legal li

Mutual Reserve Life INSURANOEOOMPANY.
FREDEETCK A. BUNMHAM, - . Proeld 305, 307, 309 Breadway. NEW YO. K. Certificate of the Valuation of Policies Throe and Ono-halp and Four p.o.
STATE OF NEW TORK IMgURANCE DTPARTMRNT. I, PRANOIS Hevprigge, ALBAMI, NT. Y., Potruary 26th, 1908.
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 Forty-five Tho Net Vulue of Pollifies......... $\$ 4,045,687$ Additions.
Annuities:
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 [PEAL] year Itat above writion. OIS HENDRICEE, sapt, of Inearance.
Total Payments to Policyholders, $854,567,51200$ Surplus to Policyholders,
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## Union Assurance Society of London.

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Oapltal mand Accumutated Trasds exece 1,
\$16,ee0,000.00
ONE OF THE OLDEET AND STRONGEST OF PIRE OFIICES,
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## MOMTREAL

T. L. MORनHSEY. Manager.
movement generally in the banks will be much the same as in 1902 , the deposits at end of October will be raized "ऐ to about $\$ 427,812,517$, which would be an increase of $\$ 9,323,2255$. The situation would stand as follows as rompared with 1902:

| Aggregate of loans end of October, 1902 Aypregate of deposits, 31st Oet., 1902 \$397,178,8 ('apital paid-up.............. 71,137,510 | $\$ 447,415,0557$ $468,316.402$ |
| :---: | :---: |
| Exress of deposits and capital over loans, Oct. 31st, 1902. | \$20,900,845 |
|  | 489,994,326 <br> 505,312.517 |
| Estimated excess of deposits and capital over loans at end of Oct., 1903. . . . . | $\$ 15,318,191$ |

In 1902 the expansion of $\$ 25,918,112$ in loans between July and October, was almost wholly provided for hy an increase in the note issues to the extent of $\$ 13$, 858.908 , and in deposits to the extent of $\$ 9.323,225$, those increases making a total of $\$ 23,182,133$. If the cirenlation exmands this year by much the same amount vo in 1902. the fotal will reach $\$ 71,400,000$, thich would leare a margin of $\$ 6.000 .000$ between that sum and the legal linity, as compared with the margin last
year of $\$ 5,200,000$. The situation consequently has not been materially improved since last October so far as circulation is concerned, and in a general sense the banks have not quite as much available for harvest demands as they had last year, that is, unless the increase of $\$ 4,600,000$ in the amount of securities held is considered, which, if liquidated, would bring their resources and their probable requirements up to the relation they held at end of July, 1902. The above data may be supplemented by considering a portion of the stock of specie and dominion motes as available for the expansion of loans.
Since last year these cash reserves have been increased irom $\$ 36,021,800$ to $\$ 43,816,000$, an increase of 7 ? millions. Under the new arrangement for expanding the isenes of Dominion notes, it would be feasible for some 4 or 5 millions of these reserves to be converted into Dominion notes of such a denomination as would be available for the use of the banks. Taking, then, all these points into consideration, there are conditions existing that are quite favourable for the business needs likely to arise in the next two months; that is, if preparation be made in due time.
The movement in deposits in July did not enlarge them as much as was done last year. The increase in July, 1903, was $\$ 3,316,000$, wheleas in July, 1902, the increase was $\$ 7,200,000$. The year's increase of $\$ 20$,600,000 in these funds is evidence of the rapid accumulation of funds from savings. The United Kingdom balances materially changed last month; those due to old country banks were reduced from $\$ 8,180,000$ to $\$ 5,270,000$, and those due by United Kingdom banks to Canadian were increased from $\$ 1,725,700$ to $\$ 3,711,300$.
The call loans in Canada were reduced to the extent of $\$ 1,000,000$, and those outside Canada by $\$ 3,100,000$. The current loans and discounts in Canada remained without any change, in contrast to last year, when, in July, these loans were reduced by $\$ 4,200,000$.

We append our usual comparative table; the complete bank statement will be found on a later page in this issue:

THE BANK STATEMENTS.

Capital authorized
Capital subscribed Capital paid-up Reserve fund

July, 1903, June, 1903, July, 1902, July, 1803. $\begin{array}{ccccc}96,326,666 & 95,826,666 & 81,626,606 & 75,458,685\end{array}$ $78,522,105 \quad 78,008,359 \quad 70,848,806 \quad$ 63,170,654 $\begin{array}{lllll}7 \pi, 093,666 & 76,660,301 & 60,733,761 & 61,954,773\end{array}$ $\begin{array}{llll}48,122,212 & 47,973,814 & 40,301,622 & 26,081,245\end{array}$

## habilitites.

| tes in circulation .. .. .. 57,563,605 | 58,885,845 | 2,070,065 | 33,573,468 |
| :---: | :---: | :---: | :---: |
| Dominion Governtment .. 2,021,821 | 4,508,232 | 2,757,907 | 757,991 |
| Due Provipgial Govts... .. .. 38872,721 | 3,400,854 | 4,249,756 | 976,518 |
| Deposits on demand .. .. ..110,542,903 | 111,298,423 | 105,530,15 | 4,563,283 |
| Teposits after notice .. .. ..271,597,201 | 267,639,035 | 45,04,131 | 106,458,471 |
| Deposits outside Canada .. .. 30,369,191 | 36.235,655 | 37,272,3 |  |
| Touns on bks in Canada, sec.. 579,94 | 676,088 | 630,240 | 153,208 |
| Depts on demand in Can. bks. 4,198,658 | 3,842,403 | 3,818,376 | ,616,681 |
| The agencies in U.K. .. .. .. 5,270,8\%9 | 8,180084 | 4,188,092 | ,000,301 |
| Due agencies abroad ... ... .. 1,561,076 | 1,025,337 | 1,210,414 | 124,789 |
| liabilities .. .. .. .. .. 10,821,812 | 12,281,956 | 12,698,067 | 9 |
| 505,28 |  |  |  |

[^0]LADIMS BEIRT ENIOERRS.

MANUFACTURERS OF

Cardigen Jackets,<br>Ladies' Dress 8kirts,<br>Ladies' Uhider 8kirts, Ladies' Bloomers, Ladies' Gymnasium Dresses, Ladies' Bathing Dresses, etc., eto.

Special terms for Canadians, under the New Preferential Tariff

the ground is lower, the soil is still deepe Ar. than this, where cereals ave being grown A remarkable feature about this soil is to perfection, besides all the common that when wet it seems to have little kinds of garden produce. The wheat and stickiness, and even when the ground is quite wet one can walk over it with snall trouble, little of the soil adhering to the boots.
Both in Stratcona and in Edmonton the writer took special note of the gardens and mentally compared then with the gardens of northern Illinois. In all things they seemed to be ats far advanced as at Chiengo, which is on a latitude 800 miles south. On the 18th of June peas in the gariens stood two leet high and were in blossom: radisties and letture were being used by the growers, rhubard was as large and thrifty as in Illinois, and the same could be sald of potatoes, oniens, cabbages, asparazus, currants, raspberries and gooseberifed. In one yard we saw red clover 15 inches high and timothy in head. Tlis is a grat country for re! and white currants, which seem to do far better here than with us. Currants are said to grow wild away north to the Aretic ocean. Thwir thrift here would indicate that this region can produce currants for the world
The great factor here is the rapid growth of vegetables in the long day. We watched the sun go down at 0.15 p.m. The boys played ball near our car till 9.45 . At 10.15 it was still light erough to permit one to read and write without artificial illumination. Last year, at a fair held at this place, one heat of a race was run at $11.15 \mathrm{p} . \mathrm{m}$. The sun is ii) at 2.45 in the morning, and it is broad day long before that time. This gives the plants more than 18 hours of sun at this time of year. The more eeat, the more evaporation, the more growth. It is no wonder then that all thingh here grow with exceeding rapidity. The long days make up for the northern latitude, and this condition infensifies as one travels north. Already immigrants have left the railroad and have made settlements on the Peace river, 400 miles further north
oats grown on Peace river are of exceptional quality. In that country there is practically no night at oll in June.
We secured carriages at Edmonton and drove 13 miles north to the banks of Sturgeon river, where we camped for lunch. On the way we passed many large fields of oats and barley. The land is rolling in character, and from high g-ound we could see for many miles to the north east. To our surprise we found the country not lying idle waiting for man to come in and possess it, but already occupied by comfortable farm homes surrounded by spreading fields of onts and barley, broken here and there by smaller fields devoted to the growing of vegetables.
Near our place of encampment was a farm house in the yard of which was a well from which the excursionists drank icc water. For four feet from the surface the ground was thawed out. but below that point for two feet more was a rim of jee about the well. As the water was $\mathbf{u}_{C}$ to this rim the temperature was kent. about the freezing point. The owner told the writer that this rim of ice would disappear by August, indicating the entire thawing out of the ground by that ilate. He also said that frost here penetrates the ground to the depth of about six fcet. This deep freezing does not at all interfere with the growth it crops, which are not held back by the frost belon their roots. This underlying frost also helps to hold the moisture in the sming and early summer, and prevents the water and fertility from leaching downward. This must also reduce the temperature of the zone of thermal equilibrium to less than forty degrees, which should make this a magnificent country for all branches of dairying including cheesemaking. It means that water at a temperature on about forty degrees can be obtained at all times of year; that cheese-curing
rooms can be kept at about forty degrees by means of sub-earth ducts, and that cellars can be constructed that will carry fruit and vegetables for almost any length of time without extra expenditure for ice. The problem of the keeping of all kinds of perishable products is thus brought very near its solution here. On our ride we noticed « dredging maohine engaged in cutting a drainage ditch through a large swamp. As the fall was about 200 feot to the river there was no question of the success of the venture and that swamp will become the richest and most productive land of all. All the swamps in the region are susceptible of the same treatment, as the numerous riv e: beds give ample opportunity for drain At stratheona the writer visited the municipal lighting plant. Lignite coal was being used in the furnaces. The information was given that this coal costs $\$ 2$ per ton on the cars, and that it carries 6s per cent. of pure carbon. Coal is abundant all through this recion, and is the populra fuel. These beds of coal will most certainly make this region one of the great manufacturing centres of the continent before the 20th century is very old. Here all things are taporeble for the development of both agriculture and

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THE
Steel apepar re throughou listurbance tative charact in manufacture of energy and meat corporat instility of the considerations fome point.
Perhaps the nected with st not devoid of mentary upon

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manufacture. Iv addition, the immavse "as of a somewhat different character withered and shrivelled betore its me water power in these morthern rivers may from that which has attelded its career thods. It got reoates from the railroads. yet be harnessed. cuing the past six months, and it may not only on its own oil, but on all the ise worth while to look into its general oil shipped by its competitors. It devel-
> 'THE STEEL INIDUSTRY.

steel apepars to have been at storm cen(r) throughout the whole great industrial listurbance. Its magnitude, its representative character as the leading industry in inanufactures, the type of concentration of energy and capital, the first of all the meat corporations to challenge the direct hostility of the U. S. President-all these considerations have seem to make steel a fical point.
Perhaps there are some matters connected with steel which are at this time not devoid of interest. The general commentary upon it when it was launched
aspect, quite apart from speculative con- oped a new and overwhelming factor in ditions. oped a new and overwhelming factor in
business, to wit: the enjoyment of adbusiness, to wit: the enjoyment of ad-
vantages denied to others. When Mr. Steel, says a Pittsburg writer, is either vantages denied to others. When Mr.
2 king or a pauper. This familiar saying Cassatt was elected president of the Pemna king or a pauper. This familiar saying Cassatt was elected president of the Pemmis said to be original with Andrew Carne- sylvania Railroad he did the most unexgie, and he ought to know what he is pected and revolutionary thing that ever tnlking about. "The profits of the business was done by an American railroad preand at another time nil. That is ar sident-he abolished the rebate, and every and at another time nil. That is Mr, other kind of rebate. The steel industry Carnegie's meaning, and he was mostly was aghast. It could not believe its ears. a steel king, and certainly made a great Not even Mr. Roosevelt himself ever dealt many steel paupers in his career. The such a blow to intrenched and fortified colcssal success of Mr. Carnegie's opera- capital,
Stans in steel was not unlike that of the As for Mr. Carnegie , it turned him into Standard Oil corporation, and it was a Scotch Berserker.
hosed upon the same fundamental prin. With his enormons
hosed upon the same fundamental prin- With his enormous control of capital, competitors of transportation. The his powerful associations and his notori-

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able figure to deal with. He both storm the warpath, and neither agreements nor and the whole outlook was most dised and acted. He started in to parallel understandings nor conventions could in- couraging and unhappy. Two alternatives the Pennsylvania to the Atlantic, to up- Clude him any longer. He flung them piesented themselves; one was to let Mr. set the whole railroad apple cart from all to the winds. Chicago to the sea. He turned the whole The country was full of his engineers in and have a general smash-up from one iron industry upside down. It had got no time. They were surveying new rail- end of the country to the other; and the into very fair shape, and its prospects ronds and the sites of new steel plants, second was to suppress Mr. Carnegie, "ree the most checrful in its history. One phants to be established ia competition Mr. Carnegie had not in a long time failauother had been organized and cleaned and with which Mr. Carnegie had the most suppression. He was always a rensonable up, had acquired plenty of working capital, solemn agreements of non-interference, and tractable gentleman, snd would suband all around there was an excellent un- tantamount, indeed, in some instances, to sice-for a consideration. It was thought derstanding as to "live and let live." This guaranters of immunity, from competition understanding necessarily included the on his part.

Carnegie industries. It had to. No un- The whole iron trade of the country derstanding in the iron trade at that time was confronted with chaos and disaster. hat did not include Mr. Carnegie would Panic invaded it; prices went tumbling gie did not stay included. Mr. Carne- in every direction, business confidence was
worth while to assuage Mr. Carnegie' feelings and save the country from the danger that threatened. The United States Steeel Corporation was formed. In passing, let us hope that the occasion of it all may the last in the history of our railroads, and that we have seeen

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## the end of the

nepting system met distionest transportation more dishonest thals have don it will yet be lon

1. When the the great bulk rouds has for its mople who can reople who wan ac a better und fall of corporati individuals. But to return tion which supers
grled the imagin The conservative


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$+808$

the end of the whole corrupt and cor- sions with alarm and serutinized with cis
"pting system of rebates. These secret trust the prices that were paid with ris- cirate uneasiness, and this feeling did not
dishonest compacts between the great constituent propenties. It paid for the wimmish. The old ory of king and pauper hore dishonest corporations and indivi. fut price to pay for getting rid of Mr, not down until time and eubtless it will hals have done an corations and indivi- Carnegie, but it could be trusted it was pown until time and experience have will yet be long
 When the public leans fully that embarked in the genemal inmous capital front it oneat bulk of the rate cutting by rail- once more secure. The pennsylvania iron- One thing that it has already aceom
 people who can cut the rate and pelf for The industry in every othor part of the arn hasod the coffaterat onterprises that poople who want the rate cat, there will or stry breathed more freely and a season rid the trade the iron industry and to be a better understanding of the rise ail or stability, productivity and profit was blight that of the greatest eurse and fall of corporations and the sudden wealth been known before, of which had not the secret, corrupt and preferential reindividuals. was king. before, even when steel bate. Every man knows now where his tion which superseded Mr. Carnegie corpora- All the same the gigantic size of the bis neimbords. He no longer suspects med the imaced Mr. Carnegie stag- corporation and the vast amount of obs neighbor in trade has the power seinc it was colossal. ligations upon which it proposed to pay cretly to undersell him and ruin his busiconservative looked upon its dimen- tivitents fith regularity, continuel foy ness by virtue of the possession of a se-

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10 all shippers, and trade has to free from being a monopoly, but it has certain that prices went to zero, unmarketable only matural conditions. This alone is inherent and individual elements of stocks piled up and bankruptcy ensued. an inestimable boon and is worth the price strength which sharply differentiate it Its most promifnent compettors, ffke the of all else. from the iron trade as the latter existed Lackawana Steel Company, for instance, The vicissitudes of the money market before the Steel Trust was created. When have their own fields and are organized have run the price of the steel securities trade slackens it has not to confront the like the Steel Corporation upon the mid. down very low. Probably the causes of cut-thront competition of the old times, It ern economic basis. Stability of prices this are not generally apprehended. The ann lessen production and reduce expenses, and stability of output are the best guartrade conditions do not explain it. The Formerly when trade slackened, produc- antee the industry has to offer. The conUnited states Steel Corporation is far tion kept on apace, and the result was sumers of iron throughout the country

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understand this, and they no longer ru in and buy for fear that the market will run away from them any more than they procrastinate in the hope or belief that the market will fall. Iron, for the first time in its history, is becoming a standard commodity, regulated as to its price by the scientific application of the law of supply and demand.
The United States Steel Dorporation is not a monopoly, but it owns all the raw mantorlat there is outside of that already controlled and in process of working by its competitors. There is only sixty-six rean stock of irsin ore-that ts, economic iron ore, ore that can be brought to a market under the conditions that are to.

C-in the United Ntates, taple manufacture top common stock? it is beyond rate of constumption, thifs At the present reasonable doubt that it can go on in ore will have been exhansted deposit of definitely earning the dividend on its pre years. Who been exhausted in sixty-six ferred? It is paying twenty per cent. por $y$ cars. Who is willing to assert that the annum now on the market price of ity annual produetion of fron has reached its common stock, approximately. Suppose fion that the tonnage of 1004 will be greater than that of 1009 will not recepted value of steeel eommon and that
fooking back over the fistory of the four dollars was paid on it annublly, ns Pennsylvania fron trade present, what in the light of the past. about litssburg, for the last quarter of a of the old era of reckless and ungoverncentury, or since Mr. Carnegie really able competition, would its reasonable came upon the scene, it becomes really expectation of dividends be? Its expectn. interesting problem as to how the very tion would be probobly about ten per Corporation will maintain ils the Steel cent, per annum. Taking the years when Can it continue to pay its carnings steel was a pauper with those when steel Can it continue to pay four pet cent. was a king, estimating the average arbi-

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#### Abstract

trarily, because there is $n$, other way to to it, steel common (at 20 ) should earn do it, steel common (at 20) shond earn ten per cent. Will it do better or worse under the new and so-callecl sceientific condittons of moderh management? Will stability of methool, control of output, peonomy of production, unification of procmeser, and all the test of ft , avafl to se citre a stpadier and a larger return upon the nominal capital? Or will it be less than it was in the old days of the great ironmasters of the Btate before the genime of Antfew tamegte dawhet üpon ithe intiostry? Time alone pan deternime


## SLCKNiAs INEURANCE

 against loss. Wire insurance is a guaranty againet loss by fires areldent insuratere againíst loss by aecidents tornido insurance against loss by tornadoes, ete. It is clear, therefore, says Mr. I. S. Dewey, secretary of the Natlonal Protective Soriety of Detrolt, Meh, in an aidiress read at the sixtosnts ammint meeting of
the International Asweriation of Ac: ident the International Assuriation of Pe cident
Underwriters, that liealth insuramen is a whenomer, it there th ton thro in to torith of health, and tho same metr alon bo satid of life insilranes. it nppiears clear that sickness insurance is the proper term uge. since it is insurance against loss on tornadoes, explosions. ete, cause loss.

all proper, reasonable and legitimate subjects for insurance. It stands to reason, too, that the contingency which causes the greatest loss should have first place in insurance, and the one which causes the least loss should have last place.
If this is not reason and common sense then why not? It certainly is not fire that causes the greatest loss, and yet, if you buy a honse, you almost run to the noavest inourance arent atta weure a policy withotit delay. We probably all carry a life policy, becalloe our lives are worth something to somebody; we carry an aceident policy, becatuse our time is worth somethitug, too. Does sickness Fut) its-less than fire? Does aceident steal more of oulr time thas siekness? Doet not siekness hold first place in the whole categoty? If so, thein it is of the extremest importance that siekness instrance should receive our closest attention and our first consideration. It does not seem reasonable that we should shy at it tanfentintly, touchitity it there and there in apots only, as though it were something very like a vipery but appronch it fairly and squarely and take up the whole thing with reasonatile restrletions, the same as
 ering policy embradigg all the thousand of diseases that human fleah is heir to. tuaking strel exemptions only as common sonief afid requon phall declare to be clear I unft subjects for insurance, such at diseases arising froin intomperance, im-

morality and o ting before the There does no the suffictent surance, from rensomable and the that there a measure of fr :ny kind of itnstrt insurance has it tiue also that th frand in the those paid ther This, however, d portance of sickn surance, but onl sity for safegtar ise fair to those a just to those the prayers to "1 (ion" we are all riences are not is so with the as e doctor who


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morality and old chronic troubles beginting before the issuance of the policy.
Thete does not appenr to be any good and sufficient reason why sickness inarance, from any viewpoint, is not a reasonable and fair proposition. It is the that there is a fair opportunity for a measure of frand, and so there is in :ny kind of insurance. Even fraud in life insurance has its devotees. It may be tiue also that there is a large percentage of fratud in the claims presented, and in those paid there will always be some. This, however, does not mnninize the importance of sickness as a ubbject for insurance, but only emphasizes the neeessity for safegmards, which shall at onee bo fair to those who are honest as well na just to those who are not. In spite ot the prayers to "lead us not into tempta. tion" we are all of us liable. Our consciences are not wholly impregneble. It is so with the assured, and it is so with doetor who shares in the indemnity
(sometimes), the same in sickness as in period should be two or three times as accident. They are but human, the same long.
as the insurance man. They frequently Another safeguard should consist in want to get all they can, and sometimes fixing the amount of indemnity, the same more. And right here at this point is one as in accident insurance, according to the of the main difficulties, und if we propose degree of hazard. It is folly to assume to engage in sickness insurance it is up to that all occupations carry the same hazard an to find a solution. This solution should for sickness. The cold damp air of mines, be clearly embodied in the contract, and the dust of factories, the poisonous vapors atould be so explicit and understandable of chemical works, increase enormously that "the wayfaring man, etc., need not the susceptibility to disease and shorten arr therein." the period of human life. For a fixed Let us briefly consider this contract. premium, therefore, other things being It is clear that the contiact should not equat, the indemnity should always be tike immediate effect, for obvious rea- proportional to the exposure.
sons. Sielcness, in many eases, may be Another important safeguard is fixing foreseen by the assured. There may be the indemnity low, always much lower exposure to contagious or communicable than the earning power of the assured. diseases that require time for incubation, If the policy promises indemnity equal to and if the application does not provide for or greater than the earning power, failure medical examination, a month at the very and shipwreck to the company are cerleast should elapse before the contract tain. It can't be done. The moral hazshould take effect. If tuberculosis is in- ard is too great. It is the same as in cluded for full benefits, the probationary fire insurance. Excess there promotes
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spontaneous combustion, and excess in sickness promotes spontaneous indisposition of an exceeding enduring quality. We know of one company that insured everybody against sickness at an indemnity of $\$ 26$ per week. Anybody possessed of common sense would know that such rash felly would doom the company to shoot the chutes in double quick time. There could be no escape. High rates furnish no salvation.
Again, no period of indemnity should, for very obvious reasons, begin until the first call of the physician, and better still, a week later-that is, subtract the first week. Let the period run from that time on while the assured is necessarily, entirely and continuously confined to the house, requiring or subject to the personal calls of a registered physician, quacks and charlatans included. Here comes in a most impotitant question, and one over which there has been more wrangling than over any or all others combined, and its solution is practically the solution of the whole question, since it is by all means the most difficult, namely, When shall the period of full indemnity end? How shall it be fixed and defined?
Here is the solution based on long, pleasant and satisfactory experience. Determine by carefully drawn questions when the assured was able to leave or did leave the house or the pemises for the first time for any purpose, either to go to the doctor's office or to any other place, and let that point of time fix the final limit of full indemnity. Any period of convalescence following the foregoing entire, strict and continuous confinement to the house should be cared for by is very limited partial indernnity, not for partial disability, but for a continued total disability, while still under the care of a physician. This partial indemnity, under conditions clearly defined, renders the adjustment of sickness claims almost as easy as the adjustment of an accident claim. With these conditions properly drawn and atrictly followed by the adjuster, litigation is practically eliminated, and there remains a very much smaller percentage of fraud than obtains in ordinary fire insurance

The man of common sense never saw a ghost, and, in like manner, if common sense frames the contract and reason and arithmetic adjust the claims, the ghost of sickness insurance dinepears. The task of an adjuster is pleasant and plain, correspondence is reduced to a minimum, satisfaction is complete to all possessed of a little reason, the same in this insurance as in any other, and the awful strug gles and bugbears that we have read so mbeh about in Eastern journals. concerving the dangers and shipwrecks of him who would dare the perils of the mael strom of sickness insurance, are dissipated like the fog before the rising sum. Our conclusion, therefore, is that with proper common sense restrictions and proper local supervision pending the disability, sickness insurance, with the aforementioned general covering policy, is as proper, reasonable and legitimate a subject for insurance as any in the category

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COME ODD FORMS OF INSURANCE.
An elephant the other day died from leat prostration on a train. This elephant was not insured, bat there is no reason why it should not have been, for within the last year or two the dictum, "Nothing is impossible in insurance," has become almost literatly true; and to-day there are severat houses bexilles the Lloyds in London that will issue almost any kind of insuravice that any one desires.
Are you a newly married man, and (1) you wish to be insured against the risk of twinsy You can get such insurance Policies against twins have theen issued, and one has been collected.
Do you own a valuable horse, or bird, or dog, and would you like to insure it? You can do so-for a week, for a year, or for life.
Are you a pugilist, about to fight an important battle, and do you wish to be insured against defeat? The insurance is yours for the asking, provided that you are willing to pay a rate based on our past performances
The treasure house of oddities in insurnee is the English Lloyds. Lloyds is ? kind of insurance exchange. It is a house composed of grea
insurance brokers. These brokers, wher a policy of some novel nature is asked for, share a risk of it. They go on it, to the number of 12 or 15 , each for a small portion of its total, and thus a new chapter is added to the history of insurance, a new set or risk statistics ys formed, and $^{2}$ no broker runs the danger of incurring a heavy loss.
Four insurance policies against the risk of $t$ wins have beeen issued, three by the Gloyds and one by an American house. One of these policies, an English one, has been collected. It was for $\$ 1,200$. Tho American policy against twins was issued in 1898, to a New York man, a tea merchant. He called at the office of a New York house that emulates the Lhoyds in enterprise and daring, and the said-
"I was married six months ago, and I have a horror of twins. A friend of mine, an Englishman, told me last year in London that the Mloyds has insured him against twins, Will you issue a poliey like that to me?
"How large a polify do you want?" the agent asked.
"Well," suid the tea merchant," I reckon that $\$ 3,000$ would about pay the extra expense of a twin. Tra the to have a $\$ 3,000$ policy.?
"Did your mother," said the agent, "ever have twins?"

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"No," replied the merchant
"Did your grandmother on either side
Royal-Oak 8tain for Sole Finishing British-Oak Rüsget for Solo Fthiehing. Rapid prote for trote and Hateas Now Prooess Bleok for Heols and Bottome. trouse?

Idre I
How about the great-grandmothers?"
"Well, I'm not sure absuat them. I'll ase Inks, Faice, Eoel Balls, Waxes, dse

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"I wish you would," said the agent.
The merchant looked up his own and his Wile's great-grandmothers' records, and ras able to report that there had never been any hint of twins in their histories.
"Then," said the agent, "we will issuê the policy that you desire. The rate will be 5 per cent. That is to say, in case you should ever become thu father of twins we wifi pay to you, if the policy is then in effect, $\$ 3,000$; and you, to keep the policy in effect, will pay to us $\$ 150$ yearly." The tea merchant took out his twin insurance upon these terms, and maintained it for five years. During the five years three children were born in his family, thwo girls and a boy, but these children came singly. The merchant, assured that his fear of twins had been a groundless one allowed his folicy to lapse last Jan-
uary. It is said that thene al uary. It is said that there are to-day no twin policies in existence an the United States, though several are still in force in Thand
There is a couplany in Peonsylvania that iekves upon animals life insufances that are similat in every ay to the life insur ances alich men take out. This company's inspectors and examiners go from place to place, studying the horses, the
cows and the dogs that are to The men also togs that are do be ihmured. The men also make photographs of the subjects. These photographs prevent fication perfect they muke it vippossili- le any dishoiest person, Nogting a Teet T the larcass on the compary to colTeet the insurance upon some valumble tunimarniat is still alive.
Thint doimal "insitrance' agent onid the other day: "I have issued policies on
horses, dogs, cattle, chickens, shieep, eleMorses, dogs, cattle, chickens, sheep, elephants, lions, bears, eagles, straffes, a!liGators, cisiakes, parrots and a misquidred suing a policy I have two ways of issuing a policy


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most completed. The result of the ado tion of the ned secretplocess twill be to revolutionize a portion of the work con-
Hected with the printing of the paper money of the United Statws. Whiter tife new process it will take just sixty days Tess tinde to manufacture a banknote than under the present method, which is re garded as extremely important in the present commercial era, when new money is sometimes demanded immediately and to supply which the government has to lay most careful plans and keep banknotes printed ahead.
Besides rendering the paper soft and velvety, the new process also makes it non-shrinkable, an important accomplishment which has heretofore baffled the ingenuity of the paper manufacturer, and which, when applied to the printing of postage stamps alone, will make a saving of just 20 per cent. of stock and work. Because paper shrinks after it has received the impression of the head of George Washington on the side in the manufacture of postage stamps, and the coating of mucilage on the other, and because no two sheets shrink alike, onefifth are ruined in the process of perforating. Experiments just made under the new process eliminate all of this loss.

The invention is the product of the combined efforts for the last five years of E . II. Fowler, chief draughtsman of the Coast and Geodetic Survey, and D. N. Hoover, chief printer of thr bureau. When Mr. Fowler took eharge of the draught: ing division, five years ago, he was told by the chief printer that it was impossible
to print the maps prepared in the dranghte to print the maps prepared in the dranght-
ing diyision, because ther ing diyision, because thery was no paper to be had which would not shrink, and scale render the maps inaccurate as to scale, and consequently of no, scientifie
value. Âll such maps, therefore, had value. All such maps, therefore, had, to be copied by hand on hand-made linen paper manufactured especially for that




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purpose In college Mr. Fowler had
token a great interest in chemistry, and he at once beyan the series of expeli ments which two years ago resulted in the chemical solution whics, when applied to paper materially changes its quality Paper so treated is declarul to be "mellowed and non-shrinkable." The process is not expensive. It has been patented both in the United States and foreign countries, and although m., publicity has heretofore been given to the discovery of Messrs. Fowler and Hoover, the large paper manufacturers of this cointry have heard of the results accomplished and are making flattering offers to the inventors for royalty rights. The Japanese Government has also bid for the process, and a; Japan has for centuries been considered the magician of the world in the art of paper making the .ffer from the Orient is regarded as a marked acknow ledgment of merit.
The United States Govermment, how ever, is to have the first advantaged of the discovery, and should the officials now investignting the process decide that its value is too great to be kept tinder restraint of patent laws, the government may buy the patent and make the process known to the world.
By the application of the chemical mix ture to a Japanese napkin that article becomes as soft and phable as a tissue of silk. The chemical preparation acts as an antiseptic and a preservative. When the Ahure temethew anit it seems to knit
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dicay. Unier the present process of printing poper money the paper has to be thoroughly staked in water. While it is is thes soaked condition one side of the bill ie printed. The sheeet is then placed in atsom room and kept under a high temperature for thirty days, the time necessaly for the ink to dry, The sheet is ngain soaked as in the first iustance and the reverse sade of the bill printed. The thirty-day drying process third impe repeated, In cases where a third impression on the bitt is necessary, which is required when the printing is dene in two colors, the wetting and dry ing process has to be ropeated a third time, and another month $x s$ thus consumed in its production. Besides the dehay of this process, the wetting and drying rot the fibre of the paper, and, although it is "sterched" to give it the crisp appearance, the starch soon wears out and the bill becomes limp and worn.
In printing bills on paper which has been treatel by the new process no wetthing is heoessary. The ink loses notie of its lustre when applied to the paper, as under the old process, and is thoroughly diy within forty-eight hours after the printing is done. Not ouly is the appearance of the bill much bundsomer than under the old method, but its wearing qualities are believed to be greater. Further experiments are to be made fith the proeess this week, and it may de. velop that the bills can be put through the sstarching process the sume as here given, if that is desired, although the soft and velyety texture would seem to be more attractive.
The inventors of the new process had net regarsect thipiy discoviaty ap of great impartance, and it was only by accident that the matter was brought to the atDepartment, who are most enthusiastic or the results obtained thus far. Par-


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1 iowlarty is this so regardiry the printing \& Co., a New Jork printing firm, on a Neither does the expense of the prepara of postagn stamps, over which there was piece of work for the powermment which tior prohibit its general use. The process a lively $\quad$ nitcot in bideing botween the had to be printed in fittecen colors. Or- does to pryer what the mercerizing of Buran of Engraving and Printing and a diarily the shrinkage of the paper after cotton does to that fabric, so far as an Buran of Engraving and Printing and a diarily the shrinkage of the paper after cotton does to that fabric,
pirate Now lork frm. The loss from it hat received several impressions would analogous case can be cited.
the shrinkage of the paper had to be have caused a large percestage of waste
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ohfained the contract by a narrow mar paper every impression "registered" per- COST OF DIAMONDS HAS INCREASED. gin in its favor. With the nppliention of fectly. the new process and the unsequent sav- There are some details regarding me. The price of diamond bas gone of in lathor and materint the thots of applyinz the new compound to fwenty per cent. since the beginning government will fare much better on this paper yet to be worked out, but these do oi this year. This is due to the meas: work than was expecte. Tests have not present any serious obstaples to its ure imposed by the "owffers' of the De been made of the process by Julius Bien peneral application to all classes of paper, Bsers und Kimberley milnes, of South

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One of the main troubles that now confront the mine managers is the son city of labor. Attempts are being made an met men from zululand and from limpotseland in Rhodesia, but with little stucess and a good deal of expense. hast year $\$ 130,000$ alone was expended in sending for notives, paying thetr

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#### Abstract

The fabulons iehness of the mincs don for the purpose of searching for weighing $6 \boldsymbol{i}$ carats. The great Borueo South Africa induced a number of diamonds in the Serra de Frio Mount- diamond of Mattam, said to weigh 367 foreign syndicates to be formed in the ains in the State of Minds Geraes, but carats, is said to be from that same past year for the purpose of discover- its success was only slight. region New diamond fields have been ing new sliamond fields. German Borneo is the hunting ground at pre- opened in New South Wales, but the Southwest Africa is now being pros sent of a party of engeneers who are diamonds, though brilliant and hard, preted by the egents of a syndiente looking for dinmond mines. This pre- are small, and the Australian yield former in Bremen, and it is hoped to cous stone has long been known to cannot, therefore, become of great im"pen up a new region to offset in some exist in kouthwestern Borneo. The ra- portance. A number of diamonds messure the great diamond mines in jah of Panembohan possesses an im- lave lately been found in Siberia. but 1ritish South Africa Andther ex- mense belt studded with Afamonds, and they were small and of inconsiderable ploration company was formed in Ion- said to be from that district, one stone commercial value.


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monst perfectly cnt, but rather those that fluoresee most markedly in the liolet rays of light. Exposed to these
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vimply a violet color, like any ordimary white object, while the fluorescent ones slow with a deat luminous blue. This nuule of distinction, being so easy of application, has great practical value
in. the deternination of fine stones, the n:ore so as diamonds of whatever quality present no difference as to transparency under Roentgen rays. One experimenter foend to his dismay that a fine yellow diamond, after being exposed to a viole $C$ artificial light. changed to a golden yellow to a deep brown, an alteration that
destroyed four-fifths of its commercia? value. Fortunately, however, it recovered its original color in about twenty-four


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    | Notes \& Cheques on otherbks. 16,411,627 | 19,429,914 | 14,884,152 | 8,564,319 |
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    | Loans to other bks. in Can.,sec. 589,972 | 876,157 | 583,636 | 125,000 |
    | Depts. on demand in Can. bks.. 5,064,725 | 5,422,247 | 4,545,575 | ,18,274,546 |
    | Due from bks, etc., in U.K. 3,711,374 | 1,725,774 | 7,046,772 | 3,860,519 |
    | Due from foreign bks., etc. .. 17,197,942 | 15,221,888 | 16,645,395 | 15,616,213 |
    | Dom. and Prov. Govt. secs. .. 11,840,264 | 11,760,805 | 9,897,199 | 8,188,572 |
    | Can. mun. \& other pub. secs .. 14,928,734 | 14,976,800 | 14,506,515 | 9,257,519 |
    | (Not Dominion.) |  |  |  |
    | Railway and wher sects .. .. 37,218,358 | 37,399,754 | 34,971,475 | 5,823,083 |
    | Call loans in Canada .... .. 41,581,085 | 40,876,987 | 45876,667 | 15,141,457 |
    | Call loans outside Canatia .. 36,352,605 | 39,509,716 | 50,584,884 |  |
    | Current loans in Canada .. ..363,586,174 | 363,329, 721 | 296,498,818 | 206,037,558 |
    | Current lodns outside Canada. 22,226,350 | 21,943,598 | 28,587,076 |  |
    | Loans to Covt. of Canada |  |  |  |
    | lawns to Provincial Govts. .. 1,286,312 | 1,641,117 | 3,242,384 | 1,036,6635 |
    | Overdue dohts .. .. .. .. .. .. $2,199,55$, | 1,978,025 | 2,043,504 | 2,850,632 |
    | 12. E. besides by premises .. .. 835,097 | 840,775 | 873,611 | 918,768 |
    | Mortgages on real estate .. .. 724,969 | 738,665 | 796,208 | 618,861 |
    | Bank premises .. .. .. .. .. .. 8,420,051 | 8,306,310 | 6,976,805 | 4,892,584 |
    | Other assits.. .. .. .. .. .. 10,532,557 | 9,781,040 | 10, 635, 472 | 1,114,892 |
    | Total assets.. .. .. .. ..641,985,6\%, | 641,4185,372 | 587,900,352 | 304, 288,023 |
    | Loans to directors \& their firms 11,209,805 | 11, 954,418 | 10,284,068 | 7,808,506 |
    | Average specie for month .. .. 14,257,291 | 14,067,030 | 12,317,549 | 6,360,996 |
    | Av. Dominion notes for mo. .. 29,067,961 | 24,(651.860 | 23,103,823 | 11,904,751 |
    | re'st circulation during im\% . . So, | 59, 865,662 | 55,031,430 | 34, |

    IMPERIIL PREFERENTLAL TARIFFS AND THE RECENT CONGRESS

    The dominant. the key note of the Congress held in this city last week was Imperialism. In every discussion the unity of the British Empire rang out with marvellous distinctness. Varied, even conflicting, as were some leatures in the discussions, there was not a single plarase uttered, nor any manifestation of feeling, or opinion out of harmony with the conviction that, the indivisil,ility of the Empire must be maintained. The "wherefore" of this policy was never suggested as a question for delate, the whole mind of the Congress was concentrated upon a consideration of "how" it could be most chectually areomplished.
    The more the composition of the Congress is studied the more remarkable appear the mandestations of unanimity of sentiment and of conviction. There were about 200 Boards of Trade, Chambers of Commerce, Trade Associations, and similar bodies represented by delegates, who came from England, Scotland, Ireland, Wales, India, Ceylon, China, Egypt, Africa (South and ('entral), the West Indies, Australia, New Zealand, and last, but not least, the Dominion of Canada. The delegates numbered between 500 and 600, every man of whom was a prominent representative of some mercantile interest, many of whom wer. "merchant princes." mamufacturing magnates, and leaders alike in the world of politics as well as of business and finance. Such a gathering of men of exerptionally high mental ability, organizing talent, enterprise, wide practical experience, and acknowledged eminence in their several spheres, was never before organized,. and probably will never ggain be seen assembled. The event will occupy a distinguishing chapter in the history of the British Empire.

    We cannot but feel proud at the role played by Canf ada in this Imperial Congrass. It was a Canadian, Mr. Cockshutt, who made the ablest speeeh on Imperial Trade, a Canadian, Lt.-Col. Denison, who made the deepest impression by his eloquent plea in regard to $\%$ Food supplies for Great Britain," and Imperial defence, a Canadian, Senator Drummond, who showed the most practical knowledge of another subject, and it was the Candidian of C'anadians, Lord Stratheona, whose wisdom obviated an undesirable display of divided opinion and brought that extraordinary assemblage of sereral hundred independent, high-minded delegates to unanimity in supplying resolution declarative of the necessity for some form of Imperial trade policy that would strengthen the bonds of the British Empire. To Lord Strath:cona, ulso, ('anada is deeply indebted for upholding with dignity and splendid hospitality the social features of such a visit.

    At the risk of being invidious we cannot but meintion the presence of eminent members of the Barrow-inFurness Chamber of Commerce, a centre of a magnilicent display of British enterprise, capital and manufacturing skill, which is of comparatively recent foundation. For the same reason we must name the orator of the Congress, sir W. H. Holland, M.P., who represents the town of Rotherham, in Yorkshire, a town the beginning of whose great industries many living remember, which now has miles of manufacturing works. Bradford also has sprung up in a generation from obscuity iuto being a world-renowned centre of textile industry. The presence of the able men representing such places and "others of less note," that are quite modern examples of England's development, is a crushing rebuke to those who speak of "England's decadence."
    Even if it could be done with fairness to the speakers, our space forbids a synopsis of the singularly able addresses made on the Imperial Tariff question. The initial resolution was that emanating from the Toronto Board of Trade, in the following terms:-
    "It is resolved that in the opinion of this Congress the bonds of the British Empire would be materially strengthened, and the union of the various-parts of His Majesty's 1)ominions greatly consolidated by the adoption of a commercial policy based upon the principle of mutual benefit, whereby each component part of the Empire would receive a substantial advantage in trade as the result of its national relationship.'

    Mr. Cockshutt supported this in a speech that literalIy enthused the delegates, those from great Britain declaring such an address would have disfinguished a debate in the Imperial House of Commons. Te showed that English trade was heing injured by foreign tariffs, her goods sl ut out of foreign markets as far as possible, while the ports of England were open, free to foreign goods zuch as were made at home, a condition which called for some measures to protect British industries, and to develop the markets of the Imperial Colonies and dependencies, which gave promise of being a compensation to some material extent for the loss or diminished extent of those of foreign countries. In
    brief, that is preference w develop Inte

    A striking
    a Yorkshire fensed that was now a $P$ to his conver industry had made the in tariff of Cana trade of his
    These speec Manchester d old tune of th rariations, or brilliant answ that England Trade has no certain nation cy implies its the apostle o tariffs must be whose trade w to the imports Students of $p$ been again and of The Journ a revelation to the majority.

    In order to a tion, Lord Stra moved the fol
    "It is resolv the bonds of strengthened a Majesty's domi tion of a comm mutual benefit, Empire would as the result of tion being give component part
    That this Co ermment the app sion composed her colonies and incrasing and st the ilifferent par lities within the
    This was carr historic dehate, i men in the Em happy conclusion

    ## A feature in th

    enthusiasm mani Chamberlain was his preferential t ability, the geniu has displayed as aSome of the may find an opp Meanwhile we mu
    brief, that 'a' policy demands consideration iby 'wheth preference would be given to Imperial products so as to develop Inter-Imperial trade.
    A striking spéech on this line was made by Mr. Helm, a Yorkshire woollens manufacturer, who frankly confersed that having been a life-long Free Trader, he was now a Protectionist, his own experience having led to his conversion. He showed how one English cloth industry had been wholly ruined by foreign goods, and made the important statement that, the preferential tariff of Canada had been of the greatest service to the trade of his district.
    These speeches raised the old Free Trade spirit of the Manchester delegates, who, clearly enough, gave us the old tune of that School in the old lay and without any variations, or more richly scored accompaniments, A hrilliant answer was given by a delegate, who showed that England is not a Free Trade country; that FreeTrade.has not been established; nor can it be while certain nations maintain protective tariffs, for this policy implies its general adoption. He quoted Aram Smith, the apostle of Free-Trade, who affirmed that hostile tariffs must be met by retaliation, and not by the nation whose trade was struck at throwing open its ports free to the imports from nations who refused to reciprocate. students of political economy know this, and it has. heen again and again pointed out, even in the columns of The Journal of Commerce, but it was apparently a revelation to the Free Trade delegates, as it was to the majority.
    In order to avoid the Congress splitting on this question, Lord Strathcona, with most statesmanlike wisdom, moved the following resolution:
    "It is resolved, that in the opinion of this congress the bonds of the British Empire could be materially strengthened and the union of the various parts of His Majesty's dominions greatly consolidated by the adoption of a commercial policy based upon the principle of mutual benefit, whereby each component part of the Enpire would receive a substantial advantage in trade as the result of its national relationship, aue consiçeration being given to the fiscal and industrial needs of component parts of the Empire.
    That this Congress urges upon His Majesty's Aovermment the appointment by them of a special commission composed of represencatives of Great Britain and her colonies and India, to consider the possibility of thus incrasing and strengthening the trade relations between the different parts of the Empirs, and the tradiug facilities within the Empire, and with foreign countries." This was carried unanimously, and so brought this historic dehate, in the course of which some of the ablest men in the Empire had participated and shone, to a happy conclusion.
    A feature in the Congress proceedings was the intense enthusiasm manifested when the name of the Hon. inr. Chamberlain was mentioned, as even those who oppose his preferential tariff proposal recognize the remarkabje ability, the genius indeed, which the Colonial Secretary has displayed as an Imperial statesman.
    Some of the less important questions discussed we may find an opportunity to refer to at a later date. Meanwhile we must express our deep satisfaction at this
    inotable, this splendid gathering of the elite of the business men of the British Empire having given such an emphatic endorsement of the course taken for some years by this journal, many articles of which found a distinct echo and most able re-statement and development in the addresses delivered at the Congress. What is likely to be the result of this memorable gathering? The best reply is the declaration made by Lord Strathcona:
    "Canada may be sure the men who go out from this Congress to all parts of the world where flies the British flag will not remain ide in urging their sentiment upon their immediate section. I can say with confidence that I expect the ultimate result of this gathering to be trade relations that will have for their basis reciprocal favors throughout the Empire as against the outside world."

    ENGLAND'S FOREIGN TRADE.
    The newspapers of the United Kingdom of recent dates give the returns of the oversea trade for last month, which we find summarized in the Eeconomist. Our contemporary, who is no admirer of the Colonial Secretary's fiscal doctrine, deems the import figures satisfactory, showing a reduction of $\$ 7,830,000$ as compared with July, 1902. For the seven months ended 31st July, the value of imports to the U. K. is given at $\$ 1,530,434,500$, a decrease of $\$ 3,520,050$, or about 2 per cent. Imports of grain and flour for thr month were $\$ 10300,000$ higher in value than in July, 1902, this great expansion being due to the holding back of shipments until the duty was taken off at the beginning of July. The receipts of cereals for the seven months still show a decrease as compared with the same seven months last year. Australia and New Zealand have contributed nothing to wheat supplies this year against $3,920,000$ cwts. in the seven months of 1902. The value of wheat received from the United States, too, is $\$ 13$,500,000 less than last year, the deficiencies from these sources having been made up by increased supplies from Russia, Argentina, India and Canada. Among other foodstuffs, imports of live stock show increases of $\$ 1$,195,000 and $\$ 3,920,000$ for the month and seven months respectively. In the latter period the value of American cattle is $\$ 3,500,000$. less than last year, while Canadian has risen from $\$ 3,276,940$ to. $\$ 8,375,485$, and while the ports were open Argentina sent 27,817 head, valued at $\$ 2,278,355$, against nothing last year, and, of course, nothing came in last month, the prohibition having been again enforced. The total of dead meat for the seven months is $\$ 114,994,190$ against $\$ 113,736,355$. last year. The United States sent more fresh beef, but smaller quantities of pork, bacon, and hams, while Canada sent more hams and bacon, and there was a big increase in receipts of frozen mutton from New Zealand.
    Raw materials show a decline of $\$ 4,086,705$ for the month, and of $\$ 5,395,395$ for the seven months. The
    falling ofl in July was mainly owing to dectines in wood and in oil-seeds. The high prices for American cotton have brought out a somewhat larger suppiy, but the increase in value is much greater proportionately than in quantity. Wool shows increases both for the month and the year, the expansion taking place in the supplics from south Africa, India, and New '̌caland, Ausiralia showing a reduction. The imports of jute have been more than 50 per cent less this year than in 190?, but there was an expansion iast month in the quantity of hemp received from the Philippines.

    Articles wholly or mainly manufactured, show a dorease of $\$ 1,367,210$ for the month, and an increase of \$3,875,065 for the seren monthes. There has been a heavy falling off in imports of copper ; and other metals heing about equal to last year, the total imports of metals and manufactures show shrinkages of $\$ \underset{\sim}{2} 3$, ,660 and $\$ 6,336,3 \% 0$ for the month and seven months respectively. They are importing smaller quantities of machinery, while cotton goods show some increase for the seven months, and leather goods, though receipts were smaller in July, show an increase for the year to date.

    The exports of British products and manufactures for the month of July, $\$ 129,377, i 25$, as compared with $\$ 130$,145,850 in July, 1902, show a decrease of 0.6 per cent. For the seven months the total shows an increase of equal to 4.3 per cent. In re-exports, which chiefly occurred in textile goods, for the seven months there was an increase of equal to 7.4 per cent.

    The decrease in the exports for the month was in the value of telegraphic cables and apparatus. Cotton piece goods show an increase for the month, which is not due to higher prices alone, quantities showing an increase also, chiefly on acount of larger takings for India and South America. Exports of iron and steel goods and machinery were about on the same scale as in July, 1902, while there was an increase of $\$ 2 \pm 0,025$ in the value of new ships.

    For the seven months the increase was fairly well distributed among all classes of exports, and the directions in which it occurred can be followed to a great extent in our comments on the tables appended to this month's returns.

    The figures supplied in these tables for the six months ending June 30th are of some importance just now, as they show the proportions in which oversea trade is divided between British possessions and foreign countrjes. These compare with the two previous years as follows:-
    half-ybar Ended fune 3oth.

    ## Imports from-

    Forcign countries.. \$1,046, 136,500 \$1,053,311,395 \$1,049,364,910 $\begin{array}{llll}\text { British possessions.. } & 256,713,610 & 260,722,760 & 261,849,685\end{array}$

    Total imports
    $\$ 1,302,850,110 \$ 1,314,034,155 \$ 1,311,214,595$

    Exports to-

    ## Foreign countries

    british possessions.

    ## Total exports

    | \$441,190,860 | \$420,192,125 | \$437,596,560 |
    | :---: | :---: | :---: |
    | 271,422,265 | 256,685,745 | 2555,305,4,30 |
    | 12.613,1 | \$676,877, |  |

    It will be seen that the decrease in imports and the increase in exports was in cach case about proportionately divided between British possessions and foreign countries.
    Of the falling off in imports from foreign countries a great part was due to reduced import- of sugar from Germany and France, and they took smalier quantities of wheat, live stock, and bacon lrom the United States, the shrinkage in these more than offsetting a substantial increase in maize. As regards exports to foreign countries, there were sent rather more goods to most of the continental countries; and exports to Argentina showed an increase of about $4 \frac{1}{2}$ million doHars for the hali year, the increase leing mainly in cotton piece goods and railroad material. The principal item of increase, however, was an expansion of about $\$ 6,750,000$ in the value of shipments to the United States. Of this nearly one-half was in pig-iron, the bulk of the remainder being in other iron and steel maverials and in cotton piece goods. British shipments of the latter amounted in the six months to $37,713,200$ yurds, against $34,218,600$ yards in 1902, and 25,612,400 yards in 1901, which is a satisfactory expansion, considering that it was achieved despite the heavy American tariff and the great development of cotton manufacturing in the Southern States, lately referred to in our columns.
    The imports from countries within the Empire show a very small variation for the six months of 1903, as compared with the same period in 1902, though these are the net result of considerable differences in the volume of trade with the various States and dependencies. Thus the value of imports from the Australian States declined largely in consequence of the reduction in the amount of pastoral products availab'e for export through the drought while, on the other hand, imports from New Zealand were larger. South Africa showed a small increase, in view of the fact that the war was in progress for the first five months of 1902, while from Canada the imports this year were worth $\$ 38,002,605$ as compared with $\$ 32,730,795$ in the first half of 1902. A reduction of about $\$ 3,800,000$ took place in the value of imports from India, which was owing to the much smaller quantity of jute shipped.
    The increase of $\$ 15,736,520$ was very largely due to the expansion of trade with South Africa after the war. Exports to the Cape and Natal in the first six months of this year reached $\$ 66, \% 00,000$, as compared with $\$ 53,993,000$ in the first half of 1902 . Most of the principal items contributed to the total increase, but the most prominent were apparel, locomotives, and mining machinery. India took nearly $\$ 4,000,000$ worth more of British products than in the corresponding period last year, chiefly cotton goods and railroad material. Australia, however, was able to buy considerably less, the exports thither declining $\$ 11,000,000$. Canada, owing to the general prosperity, increased her takings of British goods from $\$ 1,202,260$ to $\$ 26,872,785$. Most of the smaller dependencies showed increases, fairly substantial increments being recorded in the value of the exports to the Gold Coast, Lagos, Niger Protectorate, Hong-Kong, and the British West India Islands.
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    ## RISING INDUSTRIES OF CANADA.--I.

    Casting about in the neighbourhood of St. Henri, for a suitable subject to meet the requirements of this article, our attention was attracted by an extensive and substantial fac tory structure evidently designed and construsted for some special business. It is built of pressed brick, stands two topeys high, and presented to our point of veew about 450 cet trontage. The most striking feature of it construction is that the front elevation is not the customury solid brick wall with windows more or less small and inconvenient lit in at intervals, but consists of a series of piers about thee feet wide, set at intervals of eight or ten feet apart. and these wide intervening spaces between the piers are framed and glazdid so as to form a series of splendid windowrs, reaching from the ground to the parapet, along the whole frount of the building. Flere was light in abundance! Good light suggested ample ventilation, which again suggested cleanliness and healthfulness. all the most desirable characteristics of an ideal modern factory. Here was the very object of our quest! A new business, conducted apparently under the most approver hygienic conditions and having that comfortable air of contentment in its surroundings which conveys the impression of success. No obtrusive sign-board indicated who the proprietors might be, but an enquiry at the office elicited the information that the building was a calico printing establishment, and the firm name was "The Colonial Bleaching and Printing Co., Limited,"-W. T. Whitehead, general manager with office headquarters at 232 McGill Street, Nontreal. The name of the concern brought vividly to the writer's recollec. ion certain circumstances in connection with this company's inception about the year 1899; but of that more anon
    Now, would the manager kindly permit "The Journal of ommerce" to go over the premises, examine the works, and wive some descriptive account of the interesting process of calico-pinting for the edification of its numerous readers throughout the Dominion? Mr. Whitehead, with veady cour-
    would be glad to accommodate us. He would be glad to fecommodate us. He would introduce Mr. John Walker, the factory superintendent. who would act as chaperon. Mr Walker proved to be a native of the "Land o' Cakes," and with the thoroughness of his race began in this wise: "Weel Ill just bring ye in at the door whaur the goods come in, and pit ye oot at the door whaur they go oot, and by that ime ye'll ken a' aboot it."
    The entire building occupies a considerable proportion of plot of ground 300,000 feet in area, and is admirably sitnated for transportation purposes, being bounded on one side by the Grand Trunk Railway and the Lachine Canal and on the other by an excellent public roadway. Our first glance into the interior confirmed our antieipations as to the hygienic arrangements. Light and cleanliness were the predominant features of the place, and although the power requirements of the factory demanded the use of five larg, furnaces and boilers, each capable of developing 150 H P., so well considered were the building plans that no excess or temperature was perceptible. The precautions taken against fire were also of the very best, for the factory had been fitted through out with the "Estey" system of sprinkling fire-extinguishers which consists of a series of pipes arranged upon the ceiling of each compartment in the building, and which eject the water through an automatic valve as soon as the temperature in any compartment rises above 165 degrees. So highly es teemed is this system by the insurance companies that a *pecially low rate of insurance is granted upon any building in which it has been installed.
    In the Receiving Department immense stack of bates bear widence to the fact that many thousand pieces of grey cotton Cloth are kept constantly in stock, and here it should be mentioned that althongh the company's charter empowers hem to manufacture their own stock, they have not as yet rvailed themselves of it, and the stock for the whole of their inmense output, amounting to about $\$ 1,000,000$ annually, is fought from Canadian, British and European manufacturers. From this department the raw goods are taken first to the classifying room, where they are weighed, examined and Classified by an expert weaver and his assistants. On one side of this room stands a mysterious-looking circular appa
    ratus about the size of a bicycle wheel, having sundry threateniing hooks and forbidding ratchet-wheels in its construction. Approaching this appliance, a workman appeared. Picking up four of the enas or three pieces of goods lying near he deftly adjusted them upon the machine. Whirr! Whirr!! and lo! the three 120 yand pieces of goods had become one continuous piece of 350 yards with the joining seams elipped and trimmed and the ends of each piece stamped with its grade and quality.
    1the next process is to prepare the surface of the goods to receive the coloured pattern,--a an artist might prepare his canvas,--and for this purpose the cloth must be washed, shaved, and singed like any exquisite prepaitug for a ball. Finst it passes at a high rate of speed through a series of orass rollers, in each of which are rows of hythted gas-jets, winch consume the flufif ouly from the surface of the material as it passes along. Then a ittle day's washing of some thirty tons weigit is made up, the goods are bleached by electricity in muk-ot-ime, then boiled and soused through diluted hydrochloric acid, rinsea again and boiled some hours in soda ash, again rinsed and steeped in a solution of chloride of lime insed once more and treated to a little refreshment in the shape of diluted sulphuric acid, washed again and dried over a series of steam-heated revolving cylinders. One might well magine that a process such as this should satisiy the most exacting. But the wicked have not yet ceased from troubling The tail end of the goods is scarce clear of the drying cylin ders' when the head end is being rushed through a "Foulard" mangle, which prepares it for the shaving process. The barber now receives it and passes it through a series of whirring razor-edged knives, from which it emerges witn a surface a smooth as the finest drawing-paper, and it is now ready to receive the design in the colour department.
    The most striking objects on entering the colour department are a set of huge copper cauldrons, formul like a modern chating-dish, and in each of which is being cooked several hundredweight of pasty colour, which is kept in constant motion by a pair of mixers working on the "sun and planet" sys. tem. In one corner of the great room stands $\omega$ compact laboratory, where all the drugs and colours are tested by an expert chemist and staff, and each pattern printed and proved before going into general use, so that no errost can possibly occur in a large scale in the factory
    Passing from this cepartment we emerge upon the printing machines, where we again tind our goods all washed and shaved and ready to be dressed in their various patterns. Anyone who has observed the action of a big modern printing press in a newspaper office may form a fairly accurate idea of how one of these colour-printing machines operates. The process, so far as the application of colour gons, is identical, save that the printing machines now before us are capable of laying on eight different colours at one operation; so one may jucge with what accuracy it is necessary to adjust the colour cylinders so that each speck of colour may fit exactly into the space allotted for it in the full design while the goods are running through the machine at the rate of many yards per minute. In goes the end of our material, smooth and unblemished as the driven snow, and out it comes on the other side, whence it is diverted by rollers to a slot in the ceiling and enters the room on the next floor bearing upon its surface a beautiful and perfectly executed coloured design. Proceeding upstairs we find it being received on drying rell ers, whence it comes in folds and is placed in an oxydising box at a temperature of 180 , degrees, and thence it is put through an ammonia treatment, which completely neutralizes the acids used in the colouring process and prevents them from
    injuring the goods. injuring the goods.
    From the ammonia-box the material is transferred to an immense steam-chest, where it is kept for some hours under a certain pressure, and this process finally and effectively fastens the colour irremovably in the texture of the goods. After this steaming the goods are subjected to a number of other processes; soaping, to bring up the whites in the design, clearing and blueing, starching, collandering. tentering, etc.. until they are finally folded in one vard folds or duatble? and wound in rolls, when they are classified, submitted to hydraulic pressure, papered, bound with ribbon, packed for shipment and sent forth on their errand of female adornment from the
    door at the opposite side of the department at which they first entered the establishment.

    All this however, is but a brief and a very incomplete sketch of the mechanical processes cmployed in one branch ohly of this artintic and tariving young isusines. What will interest um meratitite readers more is to fathom the means liy which a project that had been begin amatse the greatest forebodings of those who ought to have been veet informed, has in a comparatively short time achieved the most unequivocal success. The causes are three in numer, viz.:-1. The matural growth and development of this great young combtry, Canada. 2.-The enterprise and fortsight of the directors and shareholders, who comprise sonse of the best known business men in the East, and who with their cash supported their faith in their country's progress. 3.- ithe tutent and business ability of the management and selling departments, than whom a better equipped team it would be diflicult to find

    It requires but a few words to show the eminently satis factury condition of the calico printing industry in Canada 1o-day. The firms who held what was practically a monopoly of the busines in 1899, are now doing a greater volume of business than ever, and have since erected much new plant; the new firm (The Colonial Bleaching \& Printing Co.) are now doing about $\$ 1,000,000$ annually, and meanwhile the importation of pinted and dyed calicos has steadily increased from $30,993, \mathrm{~s} 99$ yards valued at $\$ 2,429.111$ in 1898 to 37,262, © 65 ynuds, valued at $\$ 3,555,604$ in 1903.

    The future of this young industrial giant "The Colonial Bleaching \& Printing Co.," is obviously assured. It will doubleses soon avail itself of powers of its charter to mamifacture much, if not all of its own stock, and by this measure will not only secure for the shareholders an increased return upon their investment, but will confer a reciprocal boon upon the community by employing many hundred more hands.

    At the close of this sketch we may perhaps be allowed to point a moral. It was only the other day the writer heard a prominent Wall Street broker state with grim satisfaction that Wall strect had "taken $\$ 30,000,000$ out of the Canucks this year anyhow." How long will our Canadian people continue to throw their capital into the hands of our commercial opponents in the futile effort to "get rich quick." while there are so many opporthuilies for sound commercial and industrial investments in their own country and at their very doors?

    ## INDUSTRY OF THE NORTH

    The older portions of the Dominion have been attracting such attention of late by their steady growth that the new country to the north has been largely left to itself as regards its records of progress. Mr. Aubrey White Deputy Commis sioner of Ontario Crown Lands, returned to Toronto this week from an extended tour up North and reports unprecedented progress in that region. "I have just returned from a trip throurh the Thunder Bay and .Rainy River districts," said Mr. White, "and am greatly astonished at the growth of population since my last trip some few years ago. Port Arthur and Fort William are two busy, growing towns, with a population of about ( 6,000 each, and at the present time are simply booming. In Port Arthur there are five large dredges im. proving the harbor, and a large force of men employed. Two large elevators are in course of erection, one with an estimated capacily of 200,000 bushels, and another with a capacity of 500,000 bushels. Five steam pile drivers are employed putting in piles for the foundations and for wharves, storehouses, ete The pile drivers are kept employed night and day rushing the work along. There is also a large sawmill plant here, which is kept running winter and summer. I was reliably
    informed that the pay roll of this lumber company is at the juremit time over $\$ 16,000$ per month. There are said to be about 1,000 men employed in the mills, on the harbor work and ut the construction of elevators, etc. The town has just commencel the construction of sewerage and waterworks. The Candian Northem has done wonders for Port Arthur, and the amount of money it is spending there is enormous. The loort Arthur people are feeling conficent as to the future of their town. Fort William is also in a prosperous state and has aisundaut confidence in its future. Wages are high and men hard to sscure.

    Rat Portage is in a prosperous statc. The three large saw mills, barrel factories and Keewtin flour mills give employment to a large number of people. Rat lortage ships supplies for lumbering, mining, etce, and is now an important business centre. The Lake of the woods, in the vicinity of Rat Portage, is alive with people from the prairie metropulis, and towns farther west. From Rat Portage I took the steamer to Fort Frances, a beautiful trip, and the sail up the Rainy River is a delightful one. From the wild land reserve to Fort Frances, a distance of seventy miles, large clearings are the rule, auc! the crops are splendid. In fact, there are evidences of prosperity on all hands. It Rainy River, the crossing point of the Canadian Northern, a town of four or five hundred prople has sprung up; one large saw mill is already there, and another is about to be erected. The people of Fort Frances are building their confidence upon the industries which will contre here when the magnificent wate: power which lies in their midst is harnessed, which will soon come about. Two rallways from the south are pointing towards Fort Frances, and it is hoped that a year or two will see this an important railroad centre. There are good openings for industries such as saw milis, pulp mills, flow mills, furniture factories, etc, Mine Centre, at present i. in a flat state owing to the temporary suspension of mining in the vicinity. Tre people interested in mines are looking for a renewal of operations before long, as they say that with improved methods and intelligent operation there is no reason why mining should not pay in this locality. Everything except mining is in a flourishing rondition, and it is to be hoped that this great industry wall again assume importance

    ## THROUGH CANADIAN WATERS

    The removal of the tolls on the Canadian canals has resulted in a heavy movement of corn over the Canadian lake route and thence down the St. Lawrence, as the exporters can now handle corn for three cents less a bushel than by the part lake part rail route to Boston. A record of $1,000,000$ bushels of corn within five days is the showing that twe Customs reports make for the amount of corn brought from Chicago to Montreal. The record, which is for the five days previous to August 23 ,' is more than 200,000 bushels greater than any mount ever handled in a similar period.

    The shipments of corn to Montreal are growing so rapidly that the exporters' associations in Boston. Baltimore, and New York are going to petition to have the rates on grain and corn for export by way of seboard ports reduced in order that the roads may compete with Montreal. The Board of Trade reports up to August show that during the present year $8,000,000$ bushels of wheat and $4,500,000$ bushels of corn have passed through the port of Montreal, as against a little more than $1,000.000$ bushels of what and $4,000,000$ bushels of corn shipped from Boston.
    -The Montreal Street Railway Company will rssue $\$ 1,000,000$ of new stock at par to shareholders on September 30 , the first call being ten per cent. on November lst. This additional capital, including the bond issue, will make the capitalization of the company $\$ 9,473,333$

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    fall and winter

    ## GOOD YEAR FOR PARMERS,

    The following report concerning the crops of the Province has been issued by the Ontario Department of Agriculture, and deals with eonditions ne deseribed by regutar correspoindents of the Bureau of Industries under date of the 1st of August. In fall wheat there was but little injury by winter-killing. April was not favorable, but during the summer the crop picked up anã turned out to be one of the bust recorded in the Province. The harvesting of spring wheat is about a week or so later than usual. While rather thin in the ground in places, the heads are well filled, the grain is plump, and the average yield will be a fairly large one.
    A large acreage and a big yield fairly describes the barley crop. The bulk of the crop is of the choicess quality, both in color and weight. The oat yield will be large and the quality of the grain good. The straw is comparatively short, but otherwise of fair quality.

    The rye crop has been a most uneven one this season, both is to yield and quality.

    While complaints are yet too frequent concerning the preence of the weevil, it would seem as if peas have been comparatively successful where grown, some correspondents, ineed, being quite enthusiastic over the prospeets of the crop. The general outlook for the crop is more encouraging than for the past two years.
    Prospects at present are most favorable for a more than verage yield of beans.
    The yield of hay will be about an average, although indivi, dual returns will range from $3 / 4$ to 3 tons per acre. Timothy las done much better than clover this year, and sew meadows, as a rule, have been much ahead of old fields.
    There appears to be a very uneven crop of corn this year. Votwithstanding all the drawbacks, many correspondents are of opinion that, with favorable weather during the remainder of the season, a fair yield will be recorded.
    Western returns were to the effect that tobsoco was rather backward owing to the late planting and cold; wet weather, although otherwise looking well. The reports from eastern Ontario were rather more fevoratble. The interest in tobaceotrowing appears to be less than during the past two or three cars.

    Potatoes promise to be one of the best yields for years. Rewirts concerning mangles vary very much. In various parts if the Province some of the mangels had to be ploughed up. Hurnips have done much better, and promise to be a large crop. Hardly any mention was made of carrots, and referencos to Ilgar beets were to the effect that the crop was rather back"ard, and hardly up to the average.
    Taking the western half of the Province as a whole, apples are not up to the average, but most of the reports from countjes extending from York to Grenville speak favorably IIf this fruit. Some correspondents claim that the greatest injury was from frost during the period of blossom. Winter Miples will be relatively scarcer than the earlier sorts. Blight itiong apple trees is reported ${ }^{6}$ in several districts. While a of the retespondents speak well of the prospects for pears, most Mums have had a not favor a large, or even an average yield. l'lums have had a most favorable season for bearing. In most Ituarters where grown, peaches are yielding well, more especial 1y. the later varieties. Cherries give from a fair to a light ontinue until wipening medium crop should favorable wenther thue until ripening.
    The early part of the season was not promising for pas hrought meadows into and cold, but frequent rains later on hrought meadows into the very best condition. Live stock large, and thendingly good trim. The flow of milk has been large, and there will be a large supply of dairy products. fied with supplying cheese factories appear to be more satisis every prospect of than those in the butter line. There fall and winter keep..

    Bees swarmed freely, and there has been an abundance of nectar in both field and forest. The yields reported range from 25 to 100 pounds per colony, but the average for the Frovince will be about 55 pounds, spring count
    Full crops and the migration of farmers' sons to new Ontario and to Manitoba and the Northwest created a demand for farm laborers in Ontario that could not be met iluring the rush of summer operations. Several correspondents refer to the influx of British immigrants as having relieved the situation to some extent, for while a number of these, having had no previous experience in agricultural work, were a sore disappointment, many of them have given goud satisfaction. Wages during harvesting ranged from $\$ 1.25$ to $\$ 2$ a day, according to locality, the skill of the worker and the urgency of the demand for help, the average rate being about $\$ 1.50$ with poard. Monthly wages ran all the way from $\$ 20$ to $\$ 40$, and in a few cases as high as $\$ 45$, the p. vailing quotations being from $\$ 25$ to $\$ 30$, with boaril. White inany farm: ers were undoubtedly hard pushed for a while during harvest,
    the plan of interchanging the plan of interchanging labor proved to be of great assistance in some cases, and improved machinery is also mentioned as having been of much help in meeting the rush of work On account of the searcity and comparatively high price of work, and others farmers are considerably behind in their work, and others have had to let intended building improvenents lie over from the same cause.
    The following table gives the area and estimated yields of based ou returns from Ontario. The forecast of August 1st is based on returns from 2.000 special correspondents -

    Acreage. Bushels.
    Fall wheat-

    | $1903 \ldots$ | $\ldots$ | $\ldots$ | $\cdots$ | $\ldots$ | $\ldots$ | $\cdots$ | $\cdots$ | . | 666,595 |
    | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
    | 1902 | $\ldots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | . | $\cdots$ | 748,582 |

    16,969,634 20.033,869 25.5 1882-02 908,809 20.033,869 26.3
    20.8
    Spring wheat-

    | 1902. |  |  |  |
    | :---: | :---: | :---: | :---: |
    |  |  | 4,862,711 | 19.2 |
    | 1882-02. | 303,115 | 6.048,024 | 20.0 |
    |  | 452,482 | 7,092,213 | 15.7 |

    ## Barley -

    

    The fall wheat ploughed up was 5,496 acres, against 8,986
    in 1902.

    BETTER SHOWING FOR FIRE COMPANTES

    The report of the Superintendent of Insurance indicates that the year 1902 was a good year for the fire insurance companies doing business in Canada. The cash received for premiums during the year in Canada has amounted to $\$ 10,577,084$, being greater than that received in 1901 by $\$ 926.736$; and the amount paid for losses has been $\$ 4,152.289$, which is less than that paid in 1901 by $\$ 2,822,667$. The loss rate for 1902 , which was 39.26 per cent. of the premiums paid, was the lowest in 34 years. In 1901, the loss rate was 70.20 and in 1900 it was 93.31 . The gross amount of policies, new and renewed, taken during the year by fire companies was $\$ 892,049,886$, which is greater by $\$ 70,527,032$ than the amount taken in 1901. The premiums charged thereon amounted in 1902 tu $\$ 13.087,250.60$, being $\$ 1,398,292.64$ greater than the amount charged the previous year. The rate of premiums (1.467) is higher than that of 1901 (1.423).
    The increase in the amounts of risks taken in 1902, as compared with 1901 among Canadian companies was $\$ 44,251,814$; among British eompanies the insurance was $\$ 14,550,593$; among American companies the increase was $\$ 11,724.625$. In 1901 the increases in amount written among Canadian, British and American companies reporting to this office were \$16, $042,198, \$ 1,693,252$ and $\$ 358,750$.
    The details of increase and decrease in the several Canadian companics in 1902 are as follows-Increase-Anglo-American, $\$ 7.190,423$; British America, $\$ 6,759,198$; Canadian Fire, $\$ 2$,918,082; Fquity. \$2,511.456; London Mutual, $\$ 7,431,356$; Ottatwa Fire, $\$ 1,742,729$; Western, $\$ 17,967,800$. Total, $\$ 46,521,944$.
    Decrease-Mercantile, $\$ 1.277,502$; Quebec Fire, $\$ 992,628$. Total iecrease, $\$ 2,270,130$. Total increase, $\$ 44,251,814$.
    Five Canadian companies do business abroad as well as in the Dominion; together they took $\$ 138,629,668$ in risks in Canada and $\$ 479,884,781$ in other countries. They received $\$ 1$, 291,216 in premiums and paid out $\$ 519.990$ for losses in Canada, and received $\$ 3,464,786$ in premiums and paid out $\$ 2,119,685$ in losses abroad. Thus their rate of loss in Canada was 40.70 , and in other countries 62.99
    The assets of the nine Canadian companies doing fire business amounted, at the end of the year to $\$ 7,158,995$, covering a total amount of insurance of all kinds of $\$ 668,460,654$, being at the rate of $\$ 10.71$ for every $\$ 1,000$ of insurance in force; they have also a reserve of subscribed capital not called up, amounting to $\$ 2,032,587$, making a total security of $\$ 13.75$ for every $\$ 1,000$ insured. The liabilities of the same companies amounted to $\$ 4,832,630$. There are 38 companies doing life business in Canada, of which 20 are Canadian, seven British. and 11 American.
    The total amount of policies in Canada taken during the year 1902 was $\$ 80.552,966$, which is greater than the amount taken in 1901 by $\$ 6,653,738$. The Canadian companies show an increase in 1902 of $\$ 7,583,420$, whilst in 1001 they had a lecrease of $\$ 247,202$, the American companies have a decrease of $\$ 1,194,956$, whilst in 1901 they had an increase of $\$ 5,909,292$, and the British companies have an increase of $\$ 265,274$, whilst in 1901 they had a decrease of $\$ 658,954$
    The total amount of insurance in force at the close of 1902 was $\$ 508,812,305$, which shows the large increase of $\$ 45,043,271$ over that of the previous year. Of the amount $\$ 308,202,506$ is in Canadian companies, $\$ 41,556,245$ in British $\sim n m p a n i e s$, and $\$ 159,053,462$ in American companies. The total amount paid to policyholders during 1902 was $\$ 9,397,970$, as follows:-Death claims (including bonus additions), $\$ 5,522,160$ matured endowments (ineluding bonus additions), $\$ 1,962,379$; annuitants, $\$ 187,037$; paid for surrendered policies, $\$ 970,645$; dividends to policyholders, $\$ 755,747$. The total amount paid by members for membership fees, annual dues, assessments in the fraternat and other assessment life insurance institutions in Canada was $\$ 1,437,994$, the . mount paid for death claims was $\$ 1,120,891$.
    -London Clearing House.-Total clearings for week ending August 20. 1933. $\$ 818,130$.

    The betwixt and between season of fashion is here, While summer modes are definitely settled to be of thrilling interest, autumin modes are still in the ail-or, to speak more tocurately, are in the brains of the great dressmakers.

    Already some leading buyers are in Europe on the trail of future modes. From the advance couriers whe are chasing the elusive autumn fashion. hints and prophecies come floating back, combined with wild eulogies of midsummer sartorial glories. One man who usually speaks authoritatively, writes to his firm that it will be perfectly safe to plan one's house and evening frocks along lines already tried. Though there will, of course, be new and interesting details in trimmings, etc., the general character of such frocks will not be radically changed. The full skirts, round skirts, pelerinv effects, ruchings, flouncings, etc., will not have run their corrse this summer and will continue in favor through the winter.
    In regard to tailor and street frocks, however, says an ex pert, we must reserv
    uncertain and chaotic.
    The extreme fulness and elaboration of thin frocks won't do for the heavier stuffs, and the question is how are the makers going to reconcile the fashionable and the becoming? Women will not stand for a universally unbecoming fashion. Of course the very lightweight cloths will lend themselves to almost everything, but the less pliable stuffs demand concessions

    There's an indication of a reaction toward mannish English tailoring in street frocks. Each woman must ehoose her tint carefully; for even a slight variation may produce disastrous results. Some women can wear the rich, dark dahlia shades, more red than blue. Others look better in the tints in which blue predominates. The lighter shades are more becoming than the darker to certain complexions.
    Care in choice and the skilful use of relieving white or eern about the face will make these modish colors practicable for almost any one; but the blending of several shades of the one color, which has been seen in summer millinery and will be a feature in the fall frocks and hats, should be attempted only by one who has the artist's eye, and we shalt probably see shocking blunders.

    The very popularity of the fuchsia colors may lead to their introduction into cheap goods and militate against them, and the warm browns and greens and bluets will be preferred by many. A dark chocolate brown promises we!l and there is some favor for mouse grey and other demure grey shades.
    Straw color, buff, and pale pink-all part and parcel of Louis XV. and Louis XVI. modes-are among the light tints for which much favor is expected. Among the new shot silks are some lovely examples of the harmonious mingling of the straw yellow and pink, glowing with an irridescent sheen Self shot taffetas, that is silk woven in two shades of the one color, are liked and there are some very charming watered effects in the lightweight silks.
    Silk is assuming an importance it has not held in many vears, and, oddly enough, taffeta. which was supposed to be almost dead, is having things much its own way. Fully threefourths of the new silks are in taffeta weaves. wit they are a reformed taffeta, devoid of the old-time crackling stiffness, and containing so little dressing that they may be puffer and shirred and ruched as readily as mousseline, and will fall in soft folds.
    Knotted silks, pompadour silks, striped silks, all have their places, but the one tone and the changeable soft taffeta are especially chic just at present.
    Quaint eighteenth century frocks of plain or shot taffeta are made for house wear with mousseline fichus and elbow sleeves ending in deep mousseline frills.
    These mousseline sleeve frills are much in evidence upon wool froeks as well as on silk ones. The frills may fall over the hand on a long sleeve, or from benesth a wide turn back cufi at the elbow. On dressy frocks they often form the whole full elbow sleeve below a wide but short outer sleeve that is little more than a cap.
    This question of sleeves is the most puzsling point in autumn modes and no one seems to know definitely what we may expect. For some time past there has been a moyement to-
    ward pushi
    mer frocks
    and suggesi
    But now
    low off the
    the arms.
    With the scarfs, this but there shaped peler will be like fronts-that ightly arou wins favor close fitting continue its han the wa
    The peleri early autumn down almost top and givi boleros or
    straight
    The yoke new shirt wa the old-time lengthen the

    ## GROWIN

    Lake shipn ecent Chicag ing the past f -ixty per cent and twenty-ni teat alarm a The Western Baltimore,
    ties to try to reduce their
    rorts, so that
    The gain of if the Govern
    an now be sh
    part-rail, p
    that a fraction
    that can possib
    real has over
    During the
    $9,000.000$ bushe
    corn have passe
    of corn through
    The condition
    ne a large pro
    antlet through
    purters from N
    fic men to-day
    alarming. H
    oduce the grain
    out of business.

    Judge Cudd
    ward pushing the fulness up the arm, and many of the sammer frocks have shown considerable fulness at the shoulder and suggestions of the old-time gigot-shape.
    But now eomes the reign of the pelerine and scarf worn low off the shoulders and closely drawn around the top of the arms.
    With the mousselines, laces, etc., which are now worn as scarfs, this mode may not interfere with the gigot sleeve; but there is in the air a rumor that furriers are preparing shaped pelerines for the coming season and that many of these will be like the old-fashioned short capes, save for the stole fronts-that they will not reach to the elbow and will fit tightly around the shoulders and upper arm. If the model wins favor, of which there is no certainty, the sleeve rather close fitting at the top and introducing its fulness lower will continue its vogue, but cuffs will undoubtedly be much wider than the waistbands so long favored.
    The pelerine yoke appears upon many frocks intended for early autumn wear and is merely a close-fitting yoke coming down almost to the armpits and extending over the sleeve top and giving an oxaggeratedly long shoulder line. Plated boleros or bodies are mounted on these yokes, which may be straight or curving in line
    The yoke is seen, too, upon some of the smartest of the new shirt waists and separate blouses; but here it does not as a rule, take the extreme pelerine form and is more like the old-time shirt waist yoke only with some device to engthen. the shoulder line slightly.

    ## GROWING FAVOR OF THE ST. LAWRENCE ROUTE.

    Lake shipments of corn for the Port of Montreal, says a ceent Chicago letter, have aggregated $1,000,000$ bushels dur ing the past few days. This fact, together with the decline of -ixty per cent. in the grain export shipments through Boston. and twenty-niue per cent. through New York, has caused reat alarm among the export shippers of the seaboard ports. The Western Elevating Association and kindred associations in Baltimore, Boston and New York, have appointed committwes to try to induce the east-bound roads from Chicago to reduce their rates on grain for export by way of seaboard ports, so that these roads can compete with Montreal.
    The gain of the Montreal ports is due entirely to the action of the Govermment in making the Canadian canals free. Grain can now be shipped from Chicago to Montreal for export to Liverpool three cents a bushel cheaper than it can be routed hy part-rail, part-lake, through Boston. When it is known that a fraction of a cent a bushel will divert all the grain that can possibly go through a port, the advantage that Montreal has over American ports will be readily seen.
    Thring the first seven months of the present year over $9,000.000$ bushels of wheat, and almost $4,000,000$ bushels of corn have passed through the Port of Montreal, as against a trifle over $1,000,000$ bushels of wheat and $4,000,000$ bushels of corn through the Port of Boston.
    The conditions at the Atlantic ports are made still worse by he growing competition of the Gulf ports, which are attract ing a large proportion of the grain that rornarly found an cutlet through the Eastern seaboard. One of the large ex porters from New York called on several of the Chicago trafic men to-day and told them the situation on the seaboard - alarming. He said that unless the railroads could be indneed to discontinue their literage charges in New York or reduce the grain routes the exporters would soon have to go
    out of business.
    -Judge Cuddell of Ottawa gave judgment some days ago in a case in which the defendant's gold watch had been seized for debt under an exemution in the sheritis office. Defendant's conmel roived the plea that the timepiece was a necessary chatel in the resescion of a publican who is compelled to to be well taken and hours, and the Judge held the point to be well takem and ordered the whttoly to be restored.

    LOCATIONS OF COMDMERCLAL ASSOCLATLONS WHTOH accepted the invitation to take part in the congress held last week in montreal.

    Europe-(United Kingdom).-Aberdeen, Ashford, Barnsley and District, Barrow-in-Furness, Batley, Belfast, Birmingham, Birstall and District, Blackburn and District, Bolton and Dis trict, Bradford, Bristol, Burnley and Distriot, Bury, Canterbury, Cardiff, Cleckheaton, Derby, Dewsbury, Doyer, Dublin, Dudley, Edimburgh, Falmouth (Poit of), Glasgow, Goole. Greenock, Halifax, Hartlepool, Heckmondwike, Huddersield, Jersey, Keighley and District, Kendal, Leeds, Leith, Liverpool, London, Laton, Manchester, Morley, Newport, North Shields and Tynemouth, Nottingham, Oldham, Ossett, Plymouth (Port of), Portsmouth (Port of), Sheffield, South of Scotland (Hawick and Galashiels), Swansea, Torquay, Wakefield, Wallsall and District, Warrington, West Ham, Wolverhampton. Yea don, Guiseley and District.
    Europe (other than United Kingdom),-Paris, France, (British).
    Asia.-Aden, Bengal, Cawnpore, Cocanada (Madras Presidency), Karachi, Colombo (Ceylon),
    Africa (North.-Alexandria. (South Africa),-Durban, Fast Loudon (Cape of Good Hope). Kimberley, Maseru (Basutoland), Port Elizabeth (Cape Colony), Pretoria.
    Canada,-Belleville, Berlin, Bowmanville, Brandon, Brantford, Charlottetown, Clinton, Drummond County, Fredericton, Fort Steele, B.C., Galt, Guelph, Halifax, Hamilton, Hull, Ingersoll, Joliette, Kaslo, B.C., Kingston, Levis, London, Mitchell, Moncton, Montreal, New Westminster, Orillia, Ottawa, Paris, Parry
    Regina, Round, Pembroke, Petenborough, Qu'Appelle, Quebec, Regina, Rossland, St. Catharines, St. Hyacinthe, Sorel, St. John, St. Mary's, St. Stephen. St. Thomas, Sault Ste. Marie, SherTrooke, Stratford, Strathroy, Toronto, Trail, B.C., Three Rivers, Truro, Valleyfield, Vancouver, Victoria, Waterloo, Windsor, West Indies, Wodstock, N.B., Woodstock, Ont.
    West Indies,-Barbacoes, Jamaica, Trinidad (Port of Spain), Australasia.-Aukland, N.Z., Brishane Freementle, Hobart, Perth, Rockhampton.

    ## A hundred miles an hour.

    One hundred miles an hour in a trolley car is what the management of the Aurora. Elgin and Chicago Electric Rail oad Company promise to show wondering suburbanites along its line within a few weeks. They will not be expected to ride in the meteor car, at least not on its first trip. The trial will be made, says a Chicago letter, with a specially geared motor car, now under construction with a view of demonstrating the possibilities of the trolley.
    Since its opening this electric line has in many instances developed high speed in ordinary runs, sixty and seventy miles an hour for short runs being not uncommon. The roadbed is rock ballasted, and the rails are of the eighty-pound grade, making the line as solid as a steam railroad of the highest type. If a speed of 100 miles an hour is attained at the test run, it will establich a new record for a railroad in practical
    oneration.
    -The deal for the purchase or iron ore lands on the Meseba Range, Minn., by the United States Steeel Corporation which has been reported occasionally since the first of the year and which was completed some months ago, was verified re cently by local officials of the corporation. By this purchase, the corporation takes off the market the last large single block of ore property in the Mesaba Range, which is for sale. The purchase is consideved wery important. In all ahous 70 , 000,000 tons of ore, mueh of it high radt. in all about 70,measured upn land arew of it high grace bessemer. hus been. measured upon land arguind, and it is estimated that even a larger yield will be abtained. The properties were purchased. from the holding of the Ghemung Iron Company, of Duluth:

    ## DAIRy PRonUee.

    A private London circular, date 14th inst., treating of the dairy produce situation, says:-Butter-The condition of the pastures in the thited tingiom nnd in the butter-producing countries of North-Western Europe continues good, but the hay erop this year, although better than the average of the past ten years, is not so goor as lnst season. Transactions in Canedian butter continum on a testrifeted sente and ate not as large as the quality of the butter deserves but low prices in other varictics tempt those buyers who are not particular about quality. According to the Board of Trade returns the rereipts of Canadian butter for the seven months ending with Toly are 2,014 tons, ngainat 4,300 tons for the same period last year, and 3,000 tome for 1901. For the month of July moly receipts are 1,184 tons, against 2.420 tons last July, and 1.828 tons for July. 1901. Prices remain unehanged from last week.
    The Dranish Committee has loft last week's Copenhagen onficial quotation unaltered although there is a brisk market in Denmark. The importe of butter from all sotrres for Juty were 94.997 cwts, loses than last Julv. Danish was 3.000 ewts. lose, Russian 4.500 , Tolland 7.500 cwits. Wor the seyen monthe ending July, the total imperite from all sourese wre virtually the same ns for the seven months of 1902: being only 274 ewts. less. Contrary to general belief, the imperts of Russlan, comprosed with list year, show an therensing dafect month by month for the present yenr. In January, the import was 9,355 cwts. more than in 1902. By the end of February they were only 3.402 more; by end of March they were really 2,335 Inss: hy April 26147 loss: by May. $\mathbf{4 5}$. 225 leas: by Junn, 46,480 less: and by ouly, 50,078 less: or a total deficit nt ond of Tuly of 2.550 tons. During the same period last year Russian imports increased 4.537 tons on the previous year.
    Chesse.-There is a good 50s market for finest quality Canuntian cherese, rappecingly for colored, but white is rapidily ap. proaching this figure, and it 40s bd it meets a ready sale. There is very little chense. except very early make, that is bringing less than the above figures. Ci.f. quotations from Camatn are 4ns of to 50s, and, therefore, it looke- nse if the apot market must again advance. One year ago choicest Canadian heese sold for 494 to 50 s, and finest for 478 to 48 s.

    ## the drug market

    Accorring to recent adviees from Smyrna, the 1903 Turkish opium erop will amount to less than 3,000 cases. Some weeks ago it was annomneel that the onttum would be 2,500 ceseses, maximum, but this wam afterwards discovered to be an error, as the figures should have been 3.500 cases. The mesent ustimate of 2.720 cases, indicates the lightest yield in many eare the menreut nypromen to it being in 1893 , when the ontturn was 2,845 cases. The following table, compiled by the Oil, Paint and Drug Reporter, shows the crop of each year since 1888, and is of value for purposes of comparison:--
    

    ## *Estimated.

    Information, giving the reault of the 1903 crop by districts, is to hand. In Kominh Vilayet the yield is estimated at six hundred and fifty masps. The outturn in Brusa Vilayet is estimated at right humdred enses. Solonica will yield six hundred and twenty-five cases, Aidin Vilayet, three hundred and seventy-five cases, Angira Vilayet, Sivas Vilayet, including Zilleh. Tokat and Amasia, will yield an aggregate of two
    hundred and seventy cases, making in all, 2,720 cases, as stated above.
    Although, as stated in our last report, the New York opium market is lower as the result of competition and dull trade, there is a much firmer feeling at the present time, owing to the development of considerable inquiry from the consuming trade. It is unlikely that prices will go lower than they are at present, and, even if a slight decline does take place, there is nothing in the situation to give any grounds for the belief that it will be permanent.
    The amount of crude opium imported during the month of dune was considerably larger than the quantity entered during the corresponding month of last year.
    The Peppermint Oil situation.-It is generally conceded that the crop of peppermint oil, in the West. will be a short one, The yield last year could not. by the widest stretch of the imagination, be called even fair-sized, and it is estimated that the output this year will be not more than seventy-five per rent of that. The distillation of oil in Michigan is now welt under way, and, according to advices from that part of the country, conditions grow more discouraging da, by day. We are informed that from one hundred and eighty-five acres of fine mint land, an average of less than cight pounds of oil per acre was obtained.
    The causes of the short crop have already been dealt with and it is unnecessary to elaborate further upon them. It will be remembered that the weather last fall was exceedingly unfavorable, and that ,on account of this fact, little, if any, new land was cleared for planting, and the old land has been "minted out," that is, the oil properties have been exhausted by continuous planting to mint. Another factor is the present cool, damp weather prevailing in producing districts, where warm, dry weather is required for successful har vesting.
    In spite of these conditions, the market for peppermint oil is in a very unsettled state. There is very little demand and dealers are offering supplies at what, comparatively speaking, are very low prices, the values which prevailed during a portion of last year being, in a sense, purely arbitrary. owing to the cornering of the market by a prominent manufacturer
    Cocaine Tending Upward.-Some makers of cocaine are asking higher prices, but the advance is by no means general, although the tendency of the market may be said to be upward. With the higher prices asked for crude on the other side and the cutting off of the sutply of leaves, for an Indefinits period, by the plague quarantine in primary markets, the article would be in an excellent position to command higher prices, but for the fact that there are said to be good-sized stocks in the hands of outside holders, and the manufacturers are not at all disposed to hold up the market for these holders to undersell. Should a better demand develop, however, there is little doubt that a general advance would take place,

    ## TORONTO CAN EMPLOY ALL.

    So much has recently been satd about the state of the labor market in Toronto, says the Globe, that a few days ago Mr E. W. Day of the Employers' Association sent out a circular letter to all workshops, factories and other places of industry where workmen are engaged. In this letter Mr. Day asked for particulars as to the exact number of hands. required br for particulars as to the exact number of hands required by the firms receiving the letters and the particular branches of industry they were needed in. It was also made clear that the intention was to secure absolutely accurate information on these points.
    The replies received indicate that not less than 8,000 work people are still required to fill actual vacancies in this city These employees are wanted in almost every branch of in dustry from the finest classs of jewellery work to the heaviest description of iron work.
    Mr Day says he is not in the employment agency business, but he will at the same time assist, as far as he can, in securing work for those who desire it. A large number of female employees are sought for hy bookbinding, stationery, boxmaking and kindred works. Mr. Day has the replies from the firms on file and on examination they will be found to be the leading houses in the sity.

    A letter
    of the Ont Tuly from sent into $n$ beds of lit soweska w test pits as a seam over one-qu fret wide). , have at out at the so that thi this trial at lowest app other point is the qualt within a d beds on the of them are they are no think, is rea Wabiskagan clay, at leas mentions on
    On our w
    examination
    occurs more is certainly
    that the bed half, beeside southeast sid bed on the s hick, and a treams show ide. Of cou the lignite, b The lignite ,ut, like all where it is $f$ is a feasible se one of mu

    The Brazilia under very sat are now being of 1901-02 wat crop of the se 108 tons, or le fory to the tri lons and the ments to the tons while the The product (

    From
    Manaos.
    Para..
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    Totals

    The stock on mast year prices ingly high price stored, but proo very handsome themselves to

    ## LIGNITE IN THIE NUtTHE:

    A letter has been received by Mr. Thos. W Gibson, Directon- mess Thowsands of laborets are pourtury toyto the the busiof the Ontario Bureau of Mines, dated at Moowe Faetory, 7th July, from Mr. J. W. Bell, who is in charge of the expedition sent into northern Ontario in May tast ftr search of workatibe beds of lignite. Mr. Bell writest "The work done on the Soweska was most encouraging. By means of the numerous test pits along the bank, the lignite was found to outcrop as a seam 2 feet 8 inches to $s$ feet thick. continuously, for over one-gnarter of a mill, on both stides of the stream ( 100 fret wide). By means of drill-holes, etc., the basin was found to have at least the same width., and the coal has not died out at the limiting points, but, instead, retained a fair width, so that the coal bed is mrobably many times grenter thinh this trial area of one-quarter mile square. This area is at the lowest appearance of coal on the Soweska, and there are other points at which lignite appears, but at none of thpse is the quality as good as at the lowest. These beds all ocem within a distance of four miles. Beeldes the Soweskn, the heds on the Wabiskagami were examined, but, although many of them are of considerable thickness, none are very pure, and they are not of equal importance with the Soweska, which. I think, is really an important and valuable prospect. On the Wabiskagami we found a thick bed of very fine lighte grate clay, at lenst equal, if not superior, to that which Mr. Borron mentions on the MissanabieOn our way here I stopped for a while and made careful examination of the gypsum beds of the Moose. The gypsum occurs more extensively that I had previously reatlect, and is certainly of great value. Careful measurement showed Chat the beds extend along the north side for two and three. quarter miles, and on the opposite side for two miles and a half, beesides which there is a bed half a mile long on the southeast side at three miles below the extremity of the other bed on the same side. The beds are in places at last 16 feet Thick, and a careful study of the topography away from the Atreams shows that they extend back long distances on either -ide. Of course this gypsum is not of equal importance with lignite, but is of future value,
    The lignite found by Mr. Bell's party is of a fair quality, but, like all lignite, is of little value outside of the district where it is found, unless manufactured into bi iquettes. This is a feasible plan, however, and the discovery is considered to he one of much importance. The locelity of the discovery is "lose to where the proposed Grand Trunk road will pass

    ## RUBBER TRADE OF BRAZIL

    The Brazilian rubber crop season of 1002-03 closed June 30 inder very satisfactory conditions. Estimates and preparations nTe now being made for the new season just begun. The crop f 1901-02 was the largest ever produced- 29,098 tons. The crop of the season just closed was 29,800 , a decrease of only 108 tons, or less than 1 per cent. This is especially satisfacory to the trade. Of last season's erop Europe took 15,201 Cons and the United States 14,568 tons, an increase in shipIIIents to the United States over the previous year of 510 tons while the shipments to Europe fell off correspondingly. The product (in pounds) was shipped as follows:
    

    The stock on hand on June 30 was 129 tons. During the past year prices ruled fairly firm at good figurew. The exceedingly high prices which prevailed formerly may never be restored, but producers as well as dealers find there is still a very handsome profit for them once they have accommodated themselves to the new and moie healthy conditions. Never
    fess Thousands of laborers are pouring into the forests of will be ppened and old ones worked with improved methods and farger forees. Business in Para is steadily improving.

    ## CANADIAN CEMENT

    It is not surprising that the manufacture of cement is in ereasing so rapidly throughout the Dominion, when the gren and growing needs of this taple are recalled. Few, howevel realize how rapid the expansion has been and in some quarters a note of warning is being sounded in order that Canada may not overdo this business as the cotton industry was overdonin in the early eightien.
    The eapacity of the cement works in actual operation in Canada to-day is estimated at $1,500,000$ barrels. This is a large output when it is considered that the output of the United States' mills in 1902 was $10,875,500$ barrels, with an importation from Europe of $1.584,353$ barrels. This would make the consumption of Portland cement in the United States equal to one barrel for each four persons. In Germany the total production was $29,000,000$ barrels, of which $2,400,000$ were exported and $1,480,000$ barrels consumed, lens. ing a surplus product of $12,000,000$ barrels, whech broke down the markets, reduced profits to a pittance, forced the exports at prices under the cost of production, and occasioned a crisis in the industry from which it has not yet recovered. It will be noticed that the consumption of $1,460,000$ barrels by the $56,000,000$ of people composing the German emplre, was almost squal to one barrel for each four persons of the population,
    The Canadian cement works now in operation with a capa city of $1,500,000$ barrels, are to be supplemented by six more which are in actual course of construction. Their estimateil eapacity will be from 600 to 2,000 barrels per day. If they operate for 312 days in a year their production will practically double the supply of Canadian cement.
    Besides the present output of $1,500,000$, and the prospective doubling of that capacity, not less than eight additional com panies have received incorporation with capitals ranging fron $\$ 500,000$ to $\$ 1,000,000$, with an estimated capacity of another million and a half barrels. There is thus in sight a prospective surplus cement product twice as great as the actual consum ing capacity of the people of the Dominion.
    The following is a list of cement companies whose works are in actual operation:-The Rathburn Companies, comprising the Deseronto Works, Marlbank Works, Dominion Works. The Owen Sound Portland Cement Company, Imperial Portland Cement Company, Hanover Portland Cement Company, the Lakefield Portland Oement Company, the Orescent Port, land Cement company.
    Those in course of construction are: The Raven Lake, the Blue Lake, the Belleville, the International, the Colonial, the St. Mary's. The following are in a less advanced stage of development: The Orangeville, the Standard, the Superior, the Manitoba, the Western, the Royal, the Toronto \& Hamilton, the Chatham. This number is increasing at the rate of about one a week.
    -The figures as furnished by the Canadian Pacific Railway authorities show that this year's harvest excursions were in number not much sehfnd the last. The detailed returns of the company are that from Western Ontario, between Toronto and Kingston, there were 1,098 tickets sold; from Western Ontario, north of the Grand Trunk, from Toronto to Sarnia 2,339, and from Western Ontario, south of the main line of the Grand Trunk from Toronto to Sarnin, 1,801. The total for the threee excursions was 6,235 . Last year the harvest hands on the same set of excursions numbered 7,628. Last year a second series of excursions were run, securing 1,360 laborers, and a third-comprising-1,776, making a grand total
    for 1002 of 0,104 .

    ## And to have Whole

    VAMPS THROUGH TO TOE.
    ## Honest Goods. Rockbottom Prices. Personal Attention. SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS

    LoliDoll, Eilg 178 Whitechapel Road \& East llount St,

    Special terms for Canadians, under the New Preferential Tariff. 힝

    ## THE BEAN OUTLOOK

    In connection with the bean prospects a prominent operator sayk: -"Reports from Wisconsin, Michigan, New York State attel Westert Camada are very unfuvorable. Beans were platited from two to six weeks late in almost evary case. The weather has been cold and wet. In the States of Miehigan, with thirty days of favorable weather, they might get 50 per cent of the crop. If the eold, wet weather costintres for ath other two weeks this will be cut down. In many sections of low, level land whole fields are entirely washed out and are worthless. The beans that have done well ns far as growth is concerned have not podded, which is due to the cold wanther. There is also working in some aretions of Michignt some kind of weevil or grub worm, which is cating the vines off just above the ground. The average originally planted in Michigan was probably 80 to 85 per cent of last season's. New York State, we believe to be full acreage. Canada and Wisconsin are in about the same critical condition as Miehigan. There are, as is well known, very few old beans left back. Probably not 10 per cent. of what were on hand
    last year, October first. All these things being true, it would scem that the price of beans might advance to most any figure.

    ## THE HOP YIELD

    Steports received from the Pacific coast region continue to Show firm markets. Growers continue indifferent sellers of 1902 hops, and were not willing to aecept contracts for desir able growths of 1903 hope at under $2 \pi e$, which was more than dealers would pay. It was learned, howeyer, that a firm offer was made to the tocal market of two lof of new California hops, amounting to about 1,000 bales, at $201 z^{\text {e }}$ and 21 e . dealers made a counter bid of 20 e . Crop news from the const was generally favorable. Advices from up the State reported firm markets, and a sale was noted of 300 old olds at 9c.
    Cable advices from London reported unfavorable weather for the growing English crop and estimated the yield at 400,000 ewt. maximum.

    Telegrams

    Abin

    Men'

    In addition

    Cable advie lightly impro was stated,
    selling at 180
    week for the hops were 140

    THET
    

    Telegrame: "Solidity, Nonthanfron."

    ## -PACTORIRS AT-

    ## NORTHAMPTON \& BOZEAT.

    In addition to the above, F. GOODMAN \& SON have always on hand a Large Stock of Factored Gmons. AT PRICES WHIOH OANNOT BE BEATEM.

    Cable advices from Germany reported no changes from the lightly improved condition advised recently. Early hops, it "as stated, were coming in slightly more freely and were colling at 180 marks per ewt., against 200 marks paid last "eek for the supplies first received. Prices quoted for later hops were 140 to 150 marks per ewt.

    THE TONI PNHUMATIC TYRE
    (Patent IICo, 26.555, 2898_)
    

    TT Is the simplest and most easy tyre to attach or detach. Belf gripping. It is manufactured of the very best material the Ringlibh Market can offer. The Para rubber superfine is spectally prepared to stana all extremes of climate It is fitted to CyclesMotor Cyclas-Cer rlages of every desoription.

    ## Elehteen Months' Guarantee with every Tyre.

    F. TON1 \& OO.

    20 EANWAE mqRERT WORKs, OEFORD ETMRETM,

    LONDON, W.O., ENG.

    The local hop market is firm, with little of last year's crop tusold. Several large growers report that they ate entirely sold out. Those who still hold are asking 28 c to 28 c for it, when finest. A purchase was heard of recently at very much lower priees and this illustrates the somewhit uneven condition frequently presented.
    The of tit for the growing crop is said to be good. On authority thates thit- thewe will be' a large yietd should con-
    ditions contikue fevoribla ditions continue favorable. Dealers state, however, that until the crop is harvested they can never count mwoh upon it as it is easily affected by weather and a few unfavorable days would greatly reduce the yield of choice goods.
    No prices have beeen quoted for future dulivery of new er op but it will commence to be delivered next month and quotations will then be established,

    ## MICHIPICOTEN MINING.

    Inspector D. G. Boyd of the Bureau of Mines, has returned, says a Toronto letter, from the Michipocoten distriet, after a cour of inspection. He reports that work in the Mrichipicoten mines is now being done 160 feet below the surface, and 1,600 feet of drifting has been done on the second level. The output of the mines is about 14 tons per day, and there are 198 men employed. Lake Boyer has bean pumped out, and a diamond drill is now at work there. Iron pyrites has been struck about 60 feet below the original bottom. The
    Grace Gold Mine is still in Grace Gold Mine is still in operation, erushing wbout 24 to 25 tons of material a day, and elmploying 65 men. In the Mari-
    posa Gold Mine they posa Gold Mine they have another shaft at 200 feet. The Manxman minie, which was elosed down for some time, Thes again been opened. binkern opened. ayontar

    ## Telegrams: RIBOTINE, Leioester <br> WATERHOUSE REYNOLDS \& CO.

    

    ## Manulacturers,

    Brown
    street
    Leicester,
    England.

    MADAME JEANNE, MADAME LIEDER,

    ANGLO FRENOH RIBOLINE.

    Speciality in Bops' Ready Made Cloting. Under New Preferential Tariff.
    Dellivered Free on board London or Liverpool
    

    Tolographio Addresa: "Berger," Leloenter.

    Canadian Suits, Serges, 1/111/2 to 8711 . Tweeds, 11113// to 8711 Velvets, 4711 to 8111.
    Sallors Suits, Bame price
    Norfolks, 478 to 157.
    Write for Patterns sent free, or send 10 for sample parcel

    ## E. Berger \& Co,n

    Wholesale Clothing Manufacturers FAMOUS WORKS,
    Rutland street,

    GIGANTIC RAILWAY PROJECT.
    Plans for a gigantic railroad with a trunk line connecting Hudson Bay with British Columbia and Buenos Ayres, South America, and having a network of branches, says a Guthrie Oklahoma, U.S., report, was disclosed on the 24th inst., when articles of incorporation of the Pan-American Railroad Company, with a capital stock placed at $\$ 250,000,000$, were filed here with the Secretary of the Territory. The purpose of the corporation, it is said is to build a line of railway ex tending from Port Nelson, Hudson Bay, in a southerly direc tion, crossing the line of the Canadian Pacific near Winnipeg thence through the Dakotas, Nebraska, Kansas, Oklahoma and Indian Territory to Galveston, through Mexico to the Isthmus of Panama, through Colombia to Eeuador, and finally through Peru to Buenos Ayres. A charter was issued to the American Town Site Company, an adjurict of the railway corporation, with a capital stock fixed at $\$ 10,000,000$.
    -Ottawa Clearing Housec-Total clearings for week ending August $20,1903, \$ 2,391,0,12.44$; corresponding week last year, \$2,109,288.

    # HUTCHINS \& MAY, <br> LIMITED. 

    ## BRISTOI, झng。

    And STAPLE HILER:giq
    ## sloirg MST 216O

    REGISTERED OFFICES

    ## 23 Portland Square, - *BRISTOL, Eng.

    ## UP IN A BALLOON

    Greater Quebec turned out en masse last evening, says the Quebec Daily Mercury of the 18th instant, to witness the final balloon ascension and parachute drop arranged by the B. Honde Co., to ndvertise "Red Cross" brand of cut smoking tobacco. The ascension was scheduled to take place from larent Park at 7 p.m., but long before that hour crowds be gan to gather there. When 7 o'clock arrived there was hardly standing room to be found, and it is estimated that between 15,000 and 20,000 people saw the daring aeronaut ascend and read the flaring banners on the side of the mighty canvas, advertising 'Red Cross" tobacco, and La Patrie and Le Cultivateur newspapers of Montreal.
    The best advertisement is always that which attracts the most attention, and last night's ascension eclipses anything probably ever attempted in Quebec as an advertisement. The proprietors of the "Red Cross" tobacco and the La Patrie and Cultivateur newspapers have every reason to feel proud of the success which attended their huge advertising scheme in the city of Quebec.
    The grounds from which the ballon ascension took place are large indeed, but every yard of space was taken up. People from all parts of the city were there early and every point of vantage was crowded. After the ground, roads and idewalks adjacent had been filled, the fences were orowded; then they climbed into the trees and telegraph poles; house tops were black with people, and every window as far as could e seen was filled with people anxious to see the huge canvas go up. Carriagres and truck waggotis drove alongside and people clambered into them immediately and the whole vicinity was one black mass. Here could be seen a child perched on its father's shoulders; there was a mother holding her little boy or girl in her arms so as to allow the youngster to see over the heads of those who had secured more favorable view points and many children moved hither and whither in the crowd erving because they could not get a beiter glimpse of factories of attraction. Many people went directly from the factories afteri 6 o'elock. They forgot their evening meal for the tine being, for a balloon ascension and parachute drop is not seen every day, and the meal could wait for them.

    Then along sped the C. P. R, express from Montreal and even the passengers craned their neeks from the windows of the coaches and wondered what it was all about.
    As on the previous occasions, much difficulty was experienced in keeping the crowd back from the balloon previous to its skyward trip. Finally every thing was in readiness, and the young aeronaut, Prof. Trussell, who, by the ways is only 22 years of age made his appearance. He wore a white suit, yesterday, and on his breast and back, were large red crosses. fac-similes of the trade mark on the packages of "Red Cross" tobacco. In a. very short time, basket in hand, he gave the signal to Prof. Wolcott, that he was ready, and the large staff of men holding the balloon like a frightened steed, let go, and away it went. The pretty fans, booklets of La Patrie and Cultivateur and packages of "Red Cross" tobacco which were thrown from the basket by the ascending balloonist caused a scramble, until every one of them was snapped up.
    Then there was a craning of necks as the arowd watched the balloon and aeronaut drift higher and higher and in a southerly direction. Finally the parachute कop was made, the balloon aeronatut dropped out of sight and the ballonn became smaller and'smaller as the smoke left'it, and finally sank.
    The immense throng then started seurgying towards the streets, and children were pushed aside. Now could be seen an anxious mother looking for a lost child; again could be heard the voice of a little tofloolcing for its lost mother, and when did a flourishing business, and whil begun. The street cars did a flourishing business, and while special cars were added a large ${ }^{t}$ percentage of the crowd was forced to walk, and home was not reached by many until nine and in some cases ten o'clock.
    But the parachute drop was (still causing intense excitement in another part of the city. When the aeronant dropped out of the sight of the crowal at the Phirky. it-was though that he had landed on terra firma, but such was not the case, High up on the roof of a house in St, Squreur he landed and sai gracefully on the top of a brick chimney. There was much excitement in the vicinity, but the daring young man has evidenly been in worse places before and he clambered down
    
    $\qquad$ The Pattle Legging.
    

    The Anglo-Indian Leggiog.

    Pig-Skin, Tan \& Antelopq,

    ## Calf, Tan Brick, Smooth

    and Grained Hide.
    

    ## The W. W. Legglag.

    The Colonial Leggiog-Front View.
    The Colonial Legging-Back View.

    ## L. Watkin \& Sons, шшшивввоив ENGLAND

    quite easily. Mo: $\quad$, hile the balloon dropped in a garden hear the Sacres: Heart Hospital.
    The balloon party laft iown this morning for River do doup, where an ascension will be made to-morrow. On Frida the people of Rimonski will see the ascension and drop, an the peuple of Montungny on Saturday

    ## El Padre Needles 10 cents. VARSITY. <br> 6 oents.

    The Best CIGARS that money, skill and uearly half a, century's experience can produce.

    Made and Ouaranteed by
    S. Davis \& Sons, MONTREAL: Que.

    FINANCIAL

    Montreal, Thursday Evening, August 27, 1903
    The disagreement still continues between the pominion Iron $\&$ Steel and the Dominion Coal Company, the difference arising out of a dispute as to the amount of coal to be supplied to the former. Both concerns are suffering in credit while this condition lasts, as it naturally gives rise to rumours adverse to both enterprises. The Iron \& Steel Company still remains without a president, the current talk being that the office will be put in commission, which will not be a satisfactory arrangement. The U. S. Steel Corporation will declare a dividend on preferred and common stock on the 6th Oet. next. The net earning last quarter were $\$ 1,595,000$ less than in same term 1902. A large falling off in the deposits held by the American Savings Banks and Trust Companiss, has excited much comment. It is surmised that a considerable move ment has been going on for purchasing stocks by mony with drawn from deposit. This may be so, but if it is the case the movement is not a healthy one, as the persons who have pponey in savings banks have not the necessary experience for engaging in stock buying. The last American pank statement gives deposits as $\$ 918,782,000$, which is $\$ 34,487,800$ less than at same date last year. In the same period the Canadian banks increased their deposits by $\$ 31,500,000$. The syndicate speculators who got up a "corner" in cotton are reported to have cleared $\$ 7,000,000$, a consequience of which has done infinite harm to the cotton industry, and developed a movement
    in Europe 10 manufacture crious emba ing authorize be intended $t$ for its re-adj is slack, owi another tigh "xists regard baring for wa mower, but The local Str at par to sha ent. to be pa (1) \$9,473.333. (bij. The on

    Sole Manuf Consol.

    Mandactiprerp of standard soot ond Shoe Lasto of evety hescription, modelle

    ## ENGLISH aro AMERICAN

    shapes by experienced model makers
    Also Manufacturers of the Highest Grade Boot and Shoe

    ## UPPER PATTERNS <br> (in cardboard, steelbound), by the most experienced American Designers.

    We are always ready to prepare sample lasts and upper patterns for any manufacturer, and guarantee the grade and measurement of all our productions. and upper patterns, for either men's or women's shoes of any regarding opr lasts
    office and woris: Northampton, Eneland
    in Europe looking towards something being done to free the manufacturer from the U. S. cotton speculators, who cause erious embarrassment to the trade. The Grand Truink meetme intended to a new issue of stock, which does not arpeas to er it ended to increase the capital, but to be part of a seheme or its re-adjustment. London trading in American securities is slack, owing to a fear that the money market will have another tight time before winter, and no little disquietude "xists regarding affairs in Eastern Europe. Turkey is prefaring for war, which, if it comes, will not be with any one power, but several, so the situation has great pemibibilities. at par to shareholders Co., will issue $\$ 1,000,000$ new stock at par to shareholders on 30th Sept., the first call of 10 per cent. to be paid on 1st November. The capital will be raised © $\$ 9.473 .333$. Stock business has run down to a very low chi). The only stock having any life in it is Pacific, which,
    in spite of the New York bears, is advancing, sales being from 126 to $1271 / 1$. Dominion Iren has been sold at $91 / 4$. It wrould be intere fing to know in whose hands this stock now is, and What they paid for it. Montreal Power $741 / 2$; Richelien $801 / 2$; Aluntreal st. $13 \mathrm{y}, 2.9$ : Dom. Cual 80 to $801 / 2$; Twin City $923 / 4$ Toronto St. Railway 98 to $981 / 2$; Bank of Montreal 251 to 252 Merchants $1551 / 4$; Nova Scotia 270; Imperial 226; Ontario 1281/4; Commerce 158; Molsons 201. Consols $907 / \mathrm{s}$. Paris, exchauge on London, $25 \mathrm{f} 151 / 2 \mathrm{c}$ Berlin $20 \mathrm{~m} 381 / 4 \mathrm{pf}$. Foreign exchanes. 60 's, $81 / 8 ; 3$ days' sight $815-16$. Money rates in New York, call, $11 / 2$ to 2; mercantile paper, 5 to 6. Local rates as $f_{1} \cdot$ songe time past.
    The following is a comparative table of stocks for welk ending Aug. 27, as supplied by Charles Meredith \& Co., Stock Mrekers, Montreal:

    Telegraphic Addreas: "INDUSTRIA, BRISTOL."
    Betty Brothers \& Co. $28 \times 30$ Viotoria Street, BRISTOL, Eng.

    $$
    F E L T S H N D \subset A P S
    $$ LETTER ORDERS MMMEDIATE ATTEN ILON


    ## J. R. Boustiéld \& Co: व马TMM HIMITED

    

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    The Finest Bespoke Manufacturers 331 p.c. in
    
    in England, for the Canadian Market, favour of Canada.
    

    MONTREAL WHOLESALE MARKETS.

    ## Miecellaneous


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    INCANDEA
    (Vary speatal prien cARBO
    VOLT \& A ${ }^{\text {m }}$
    
    

    Avail yourself of the new Canadan Preferential Tariff, $33 \frac{1 / 3}{}$ off in favour of British Manufectures.
    tion in the future. Prices show little chauge, Girain prospects in the West are daily growing more favorable.

    BUTTER.-A dull, heavy market all through the week with but a light business passing. Prices have ruled weak and favour buyers, it is difficult to handle finest at over 19c, with grades just under bringing $1 / 2 \mathrm{c}$ less. Towards the close a better feeling exists, the market is inclined to show firmness and holders refuse to part with quantities at the above figures. Townships creamery is held at 19 to $191 / 4 \mathrm{c}$; Western 18 c to $181 / 2 \mathrm{c}$. In dairy's there is little or no business passing; the market being dull and without change, $151 / 2 \mathrm{C}$ being asked for finest selected, and 17 to 18 c for finest Townships separator.

    CEMENTS.-There were no arrivals of cement for week ending Aug. 20. Arrivals of fire bricks numbered 65,600 . Trade is quiet, as usual at this time of year. No change in prices.

    CHEESE.-The market has been ruling heavy all week, with decline of $1 / 4$ to $3 / 8$ c. Since the drop more steadiness is noiceable and finest colored are scarce and firm, market quolations being 10 to $10 \frac{1}{\mathrm{c}} \mathrm{c}$ for finest. White is offering at $9 \%$ 0. $97 / \mathrm{c}$ e, and French make $1 / 2 \mathrm{c} \mathrm{lb}$. under. Receipts are still large and there is appaiently no let up to the make. Stoeks re piling up, as they cost too high to be exported for present mar!et.

    DRESSED POULTRY.-Stock is beginning to arrive, several lots having come on the market from the West this week.

    Chickens sold at $121 / 2$ to 13 clb ; fowls 10 to 11 c ; ducks 12 to $121 / 2 \mathrm{c}$; turkeys 14 to 15 c 1 lb . Prices keep high, but will certainly rule lower later on, as supplies inerease.

    EGGS.-There is a good sale and the market is inclined to firmness with an increased and most satisfactory business passing. Sales of selected suitable for export are made at

    Telegrame :-Goodwin, Imonfousdzr, Lercreter,
    

    Codes : A.B.C., Engineering.
    Cable Address: "BRAULIK," London
    

    Switches, Switchboards, Cut-0uts and all Lighting Accessorien, Wires and

    ## STANDARDS,

    BRAOKETS ELEOTROLIERS.Ageolal tormes to Oanadian Horves under the Frow Tarif Regolationa.

    ## Electric Overhead Travelling Cranes

    For Foundries, 8teelworke, Angineeplige Bhopey Ete. Ete.
    

    Two 25 Ton 3 Motar
    FIlectric Trevellers
    AT WORK IN
    FOCOMOMTHE meratinto BBOPB OF
    South Eastern \& Chatham Railways, At Ashford, Kent, Engiand.

    CONBTRUCTED BY

    ## Jessop \& Appleby

    London Crane a Engthe Whorke:
    

    ## Bros. (Leicester $\begin{aligned} & \text { and London) Lt. }\end{aligned}$

    be welbroek reannon Street)
    LONDON, E. C., RNGLANO.

    Makers of Cranes alla tholstime Machinery of all Types and Powers.
    Also Winding Engines, Dredgers, Grabs, Concrete Mixers, and Plant for Contractors and Dock and Harbour Works.
    $161 / 2^{2}$. Soleciions for eity retail trade are sold at 18 c . Straigit gathered. as arrived, itrosh receipts, bring $141 / 2$ to $1 \tilde{\mathrm{c}}$, while straight stock called No. 2 brings 14 to $141 / 2 \mathrm{~s}$.

    FOUR AND FIEED. A good local demand exists, and, while prices are melhanged from our last week's figtoes, there is a very strong tone to the market, assisted by the reported de: wreases in forcign countrics Harvesting is progressing most favorably in the West, and cvery day brightens the prospects for both larger yields and better quality grain. The tone of the market for baled hay is firm, with a faisly active trate passing. We quote: No. 1, \$10.50 to \$11.50; No. 2, \$9 to \$10; clover mived, \$8 to ss. 50 : ant clover, $\$ 7.50$ to $\$ 8$ per ton, in car lots.

    GREEN FRUITS, ETC - Apples are in good demand in the French and Euglish markets at present, and sampers will find a ready sale, particularly for apples, which are much wanted in both countries. A letter has been received by the secretary of the Montreal Board of Trade from Budgett. James \& © Co.. of the Montreal Board of Trade from Budgett, James \& Co.,
    Bristol, Eng. The document states that the crops of Enclish tree fruits are atmost a total failure this year. whed ongty in a fow localities are there small quantities of apples, which are quite inadequate to supply the demand in the citims, and whieh with soon be exhausted. So much is this tho case tuat the eonimoneft cooking apples aro now realizing 4 d per lb . in retail, while edible fruit is making up to bd per lb . Iarge and continuous supplies of imported apples will be needed, end thesprospect is for a very remunerative trade to shippers.

    Cable Cude: A. B.C., 5th Fifithor.
    Telikphone: 590, Kittiming.
    

    ## UP-TO=DATE.

    ## CATTELL BROTHERS.,

    

    Avenue Worka KETTERING; MNULAND
    Export Mattultacturers of Gents Boots \& Stiobs, in Bos Calf zanaon Btack and Tan 'Glace, Tan Willow, Brown Calf, \&cc, in Goodyoar
    Welted, Fair Stiteted, Stanlard Screwed and Mis. Soodyear

    On receipt oi Somple goods,
    other patt
    he firm say they have t
    London, so : good returns enquiries fro country also Prench consu merchant in dian apples, be expected line. The wr decide.-Quota
    Cal. selling
    it 40 to 50 c a age plums,
    $\$ 1.40$ to $\$ 2.5$
    $30 \mathrm{xize}, \$ 3.75$
    Bananas - -qt . boxes, ac each; mu pineapples, fin rese, 84.50 . (io. lurgend

    Manufanturer

    Equal to any Tarif, F.O.B.
    

    ## A. B. HUGHES \& ©O.

    Hoslery Milinufacturers,Great Contral Stiot, - Likoesrer, England.

    ## HKGH GRADE <br> Gent's Fancy Ķhitted Waistcoats

    anm
    ## Footless Golf Hose

    ## Are our present Specialities.

    On raceipt of $2 y /$ ditare from Bona-fide Buyerts, we will bend a Sample Waibtoolt and pair of Hoose to show oor malke of other patterne to orderfrom. It will pay sou fo dolt renge

    ## INIES PRCVYIL \& OMRARE

    rolleston St., LEICESTER, England.
    Apbolalititen:

    ## Pootball Boots,

    Cyeling Shoes Rubber Heeled Whed Shoes,
    ## Childreins Chenp

    Dxtordand
    All dhipinty Ordere liveive Prompt Attention.
    Whautuothred undet the New Canadian Tarlf

    The firm say that in the absence of direct supplies at Bristo, they have to draw their requirements from Laverpoal and London, so it is evident that shipments to Bistot would pice good returns to shippers. Merchants in Frahce are also making enquiries from a trade point of view, as the apple crop in thet country also is practicaliy a failure. During the week the Prench eonsul-generat here received a conumiticationq from a merchant in the Republic asking for information about Censdian apples, the estimated yield this season, und what mighit be expected as fegards the opehing of a trade in this special line. The writer was advised to send an expert who could decide.-Quotations-Peaehes, freestone, 60 to 75 c large bskt Cal. selling at $\$ 1.20$ to $\$ 1.50$ a box. Plums-Canadians sell it 40 to 50 c a basket, Californias $\$ 1.25$ per small crate. Greenwage plums, small baskets, 35 c . Pears-Californias sell at 1.40 to $\$ 2.50$ per box; Canadian pears 25 to 35 c basket. ipples $\$ 1.50$ to $\$ 2$. Oranges-Rodi, 200 size, $\$ 4.50$; Sorrento. 100 size, $\$ 3.75$. Lemons-New Verdelli Iemoms, 300 s , $\$ 3.35 ; 300 \mathrm{~s}$

    Bananas-Jamaica firsts, $\$ 1.50$ to $\$ 2$. Blueberries-ln $\therefore$ qt. hoxes, $\$ 2.00$. Melons-Fancy large watermelons, 25 to ac each; muskmelons, $\$ 8$ a dozen. Pineapples-Indian River pineapples, finest colored stock, in cases, 24 to case, $\$ 5 ; 30$ to ase, $\$ 4.50$. Nuts-New Grenoble walnuts, 13 c ; new Tarra fona almonds, 13 c ; new Sicily filberts, 1 c ; Jumbo peanuts, Ific; large pecans, 13c; new Brazil peeans, 13e; peanuts, "Bon
    toan," ronsted, $101 / 20$; dio. "Sun" roadtel, $9 \%$ e; do. "G," roast ed, $81 / \mathrm{ce}$; to. "Coon, "rodsted, 7 c ; shethett atmends, 28 tbs. to box, 2se; do. wainuts, 20 c per lib. Dat Golden stock, obe per lb . Valencia omions, 150 lb . case, $\$ 2.25$.
    Green hitnes.-While regular market quotations are $\$ 1 / 2 \mathrm{c}$ lb. for No. 1 beef hides, competition, it appears, has advanced payments in some instances to 90 . The market is otherwise featureless. Lambskins are steaty at 45 se each.

    GROCERIES,-Sugars are unchanged from last week's adrance, which brought standard granulated to $\$ 4.20$ per 100 Tbs. Molasses is very firm at the recent advance to 40 c for puncheon lots. There is a distinctly favorable outlook for green teas from India and Ceylon, most of which will find its way direct to the Canadian and American markets. Re ports from all foreign markets point to an increasingly strong position, and on the common grades there are already indications of an advance. Reports from the primary currant mar ket indicate a continued firm tone at previous quotations for old and new crop. A wire from a prominent salmon interest on the coast ordered its representatives in New York to at vance the price of spot red Alaska salmon to York to ad ferring to cured codfish, a prominent salesnan from Glouces ter, Mass., says:--The market in the east is higher, prices
     NORTHAMPTON,

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    ## 5ffles boots ahd sHo

    Equal to any made in Amerioa, for the Oanedian Market, $331 / 3$ p.o., oheaper, under tho Now Preperentin
    Tarift, F.O.B., Eondon or Liverpool. Bend for our New List:
    

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    having anvanced haiy soe per quintal in ti:e ba: ion day: The total supply is fully 40 per cent. smaller than last yea at this time. The outlook is far from encouraging, and in my opinion the market is bound to advance."

    LEATHER.-Export shipments continue satisfactory and he local market, while undergoing the quieter movemęnts of the midsummer term is neyertheless pxhihiting very favorable conditions. There is a fair movement in dongolas, while jobbing leather is being taken sufficiently to prevent any oversupply. Quebec shoe manufacturers report good orders in Irices are steady.

    OILS, PAINTS, ETC.-Linseed oils are a shade lower law being quoted at 50 to 51 c , and boiled 52 to 54 c . Turpen-
    tine has taken another step higher, being quoted at 78 to 79 c . Cod liver oils are nominally unchanged.

    PROVISIONS-Owing to heavier receipts, a weaker feeling developed in the market for fresh killed abattoir dressed hogs, and a good trade has been done within the latter part of the week at $\$ 8.50$ to $\$ 8.75^{\circ}$ per 100 lbs , for choice. (Jured meats are in good demand and steady as to price. We yuote:Heavy Canadian short cut mess pork, $\$ 20.50$ to $\$ 21$; Canada short cut back pork, $\$ 19.50$ to $\$ 20$; light Canada short clear pork, $\$ 20$ to $\$ 20.50$; finest kettle lard, in $20-\mathrm{lb}$. pails, $101 / 2 \mathrm{c}$; extra pure lard, in $20-1 \mathrm{~b}$. pails, $91 / 2$ to 10 c ; choice refined compound lard, 8 to $81 / \mathrm{e}$; hams, $131 / 2$ to 14 c ; and bacon, 14 to 15 c per lb . Liverpool, August 26 .-Hams, short cut, firm, 61s 6 d ; bacon, Cumberland cut, firm, 54 s ; clear bellies, strong, 55 s ; shoulders, square, steady, 37 s .

    ## Urockett \& Jones,

    ## NORTHAMPTON, Eng.

    Only moke Highest Grade FOOTNEAR

    Ladies' and Gentlemen, to sell from

    * 4 to 6 Dollars.
    
    -United Stai gregate \$144, cent. of whi

    Below will patents recer Canadian Gover ing secured th Messrs. Marion torneys, Montre ington, D.C., garding any o :upplied free of the above-named Middeburg, Tra tents and their Thompson, Lon sumuel J. Osmo machine for was G. Stevenson, pro rattling deviee Verdinand Fritz, of peat; John T automatic couplit Watson, Kyneton scraper for whee ments.

    The following pat-nts granted $t$ by Messrs. Fether solicitors, Canada can patents-H, 1 Fletcher, chareoal stoves; A. G. Ing naces; G. P. Jone Mclaughlin, appar ated liquids; $\mathbf{J}$. 3 sencrator; J. Mon chine; R. W. San and implement fo Weston, dynamo hicles.

    ## Owen N. Evans,

    expert, Temple Bu lowing United Stal Canadiants?

    One of the largest works in England, and can supply these Shoes $33 \frac{1}{\frac{1}{8}}$ p.c. less to Canadians, under the New Tariff.
    

    United States packing-house products rack, J, A' Gemmill; sound
    gregate $\$ 144,000,000$ worth a year, 54 cent. of which go to the United King.

    ## PATENT REPORTS

    Below will be found a list of patents recently granted by the Canadian Government, such patents being secured through the agency of Messrs. Marion \& Marion, patent attorneys, Montreal, Canada, and Washington, D.C., U.S.A. Information regarding any of these patents will be :upplied free of charge by applying to the above-named firm.-Wm. Y. Hunter, ? Yiddleburg, Transvaal, construction of tents and their valise accessories; John Thompson, London, Eng., hermetically sealing of bottles, jars or other vessels; Samuel J. Osmond, Laura, S. Australia, machine for washing clothing, etc.; Wm. . Stevenson, prospect, S. Australia, antirattling device for doors and windows; lerdinand Fritz, London, Eng., treatment of peat; John Thomas, Middlesex, Eng., automatic couplings and buffers; $\mathbf{A} . \mathbb{E}$ Watson, Kyneton, Victoria, Australia, scraper for wheels of agricultural implements.
    $\qquad$
    vice suitable vice suitable for sirens or like instru immense quantity of farm products ments, John $P$. Northcy; apparatus for during recent years. Last year the proascertaining position relative to a pref vince proituced $58,000,00 \mathrm{u}$ bushels of wheat arranged guiding system, T. B. Owens; using for that purpose a little over 2,000 , core-making machine, W. M. MeCallum; 000 acres of land. The average yield per sulky-plough, George Wilkinsun; body- acre was 25 bushelo, which is a very higt indicating buoy, Hugh Condien; Osmose uverage. The oat orop averaged over 47 apparatus, Joseph L. Kubin; fastening bushels to the aere and aggregate 34, and metal polishes, C. H. Cerbig (design). of barley wern. Over $11,000,000$ bushels and metal polishes, C. H. Gerbig (design). of barley wert 1aised, the aore average Fheing 35 . In addition the, e were raised considerable quantities of max, rye, peas, potatoses and roots. Potatoes averaged 157 bushels to the acre. some thousands of acres are annually put into corn for IThe following extracts from a series of fodder purposes
    etters written recently for a U. S. paper Up to the present time grain farming ay a man thoroughly familiar with the has been the principal line of agricultural gricultural interests of the United States endeavor; as there has been and is an will prove of interest:-
    The numerous lakes give Manitoba a ery large water frontage and will aid onomously water frontage and will aid something in the conted lancut. There is mery in her development. The there that it will take a fory farmers merchants of the provinue are talking to exhaust the fertility of their soil even confidently of a new waterway to by grain growing; but the most progres. Hadson's Bay to the Atlantic Ocean their neighbors to devoviuce are urging and Liverpool. Over this route is to their ncighbors to devote a little less atno the trade not only this ronte is to teatıon to grain raising a add a little more go the trade not only of Manitoba and to live stocis production, that their land the Northwest Territories, but of the may romain forever fertile. During the it will miles nearer to Liverpool than is Chi- bandry. The census of of animal hus. cago by the New York route. is Chi- bandry. The census of live stock last
    corer cago by the New York route. year gave 146,000 horses, 232,000 cattle, Around these lakes the land is as 20,000 shitep and 95,000 swine. The estipatents granted to Canadians is furnished not yet surveyed for settlement. To yeara is as follows: 1894, $\$ 34,000$; 1895, by Messrs. Fetherstonhaugh \& Co., patent the south and west of the lakes, how- $\$ 198,000 ; 1890, \$ 247,000 ; 1898, \$ 309,000$ solicitors, Canada Life Building:-Amerr- ever, the govermment has surveyed $1899 ; \$ 474,000,1000, \$ 643,000 ; 1901, \$ 026$, can patents-H. Ditchburn, stovepipe; R. and is, disposing of homesteads, IThe To00; 1902, \$747,000. . The dearease, of the stoves; A. G. Ingalls, attaehment for fur, province is concerned, is to the north due to the great grain erevop and year was Maces; G. P. Jones, hose coupling; J. J. and west, following the line of rail- city of help, which resulted on the negleet Mclaughlin, apparatus for dispensing aer- way. The thickest settlement is in the of stook and dairy fafniffig.
    ated liquids; J., MeLeani, acetylene gas suuth, where small towns and cities The country iscradnifrably adapted to generator; J. Moreau, bark removing ma- abound and where much of the land dairying and stock raising, and both are chine; $R$. W. Sampson, detachable valve is how comprised in large farms aevot- profitable. Among the leaders among Weston, dynamo gearing for railway-ve- here the Canadian Pucific Railroad is ex-premier of Manitoba. His Groeenway, hicles. still seltihg gobd land at from $\$ 4$ Crystal City, in the southern part of Owen N. Evans, solicitor of patents and tion of anthitobit il yet below popula- Manitobas, and there he has built up a
    expert, Temple expert, Temple Buifding, reports the fol- inclusive of those living 合 the cities. ject lesson to the Manitoba farmers. His
    lowing United States patents lowing United States patents granted to It will thus be seen that its rural herd of Shorthorns is well known through.
    Canadians \last $)$ week ;

    # Clarence Works. - KE广t世RING, ENG Wholesale tind tixport shite ititantidtcturers. 

    
    H. J. Chapman.

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    #### Abstract

    again and again at the provincial stork The social advantages of Manitoba are age, Mr. Thurston says: Further on the shows. A great deal of interest was not behind those of any other American road passes through a country devoted therefore aroused by the announcement locality of its density of population. A largely to stock raising, and eattle, horses that there was to be a sale of a large most liberal system of schools has been and sheep are seen. Crossing the Assininumber of his best animals. The sale built up, having an cnrollment of over boine on an iron bridge we arrived at was $1 \%$ ld in the latter part of June, and 65,000 pupila and 1,700 teachers. There Brandon, a place of over 5,000 inhabitthe viriting agricultural editors had the are more than 1,200 organized school ants. Here is located the experiment plenaure of being present. districts,yand the central Manitoben gov- station for the province of Manitoba Thirty-six cows averaged $\$ 226.66$; 12 ernment exercises a large amount of con- Eight large elevators are in sight from bulls, $\$ 189.16$; the 48 animals averaging trol over them all, thus insuring good the train, which is an indication that \$217.29. The aggregate was $\$ 10,430$. schools in thinly populated districts. grain farming is followed extensively. On . Three of the animals sold were bull calves Churches of all kinds abound, as well as ward the course lies over rolling prairies at foot. These brought respectively $\$ 105$, fraternal and agricultural associations. covered cverywhere with grass. Grass \$165, $\$ 175$. We think this sale compares There has also been developed an effi- is one of the notable things about an favorably avith sales in the United States, cient system of farmers' institutes, which the landseape of Western Canada. It is and demonstrates the fact that stock-rais- are fast educating the farmers along the a remarkable fact that the entire length ing is a profitable line of industry in line of scientific agriculture. of the Canadian Pacific railway from its Manitoba.

    Speaking of the country west of Port- eastern terminus to the Rocky Mountains


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    ## because

    
    
     megulhed. The fome nevers al
    
    

    Factorles:
    Osbourne Mile-Find Cambridge
    is over plains where brush appears at to the exclusion of not a mile of this used for some agric for tilling or ranch late in the afte of Regina was rea hut with an appare plain lies the city of the Northwest T ital suffices for Alb baska and Saskatch over 2,000 inliabita lieutenaut governor, the government bu uarters of the Nort Forty miles furthe reached, a town of and one of the mos Ascinibofa, being t gcod farming count
    

    In ordpr to cope wilth our greaply fnereased tyade we have had te again extend our Premises.

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    Osbourne Street, COLCHESTER. Hile-Pnd Road, LONDON.
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    is over plains where grass grows. The sage rnd stock shipping point. The town has they are hanled to varions brush appears at some points, but never a very live board of trade and enterpris- farm, and the wheat is tharts of the to the exclusion of grass. There is thus thy offictats and mertiants. On the morn-them. Later, as opportunity offers, into not a mile of this country that cannot be ing after arrival, our whole party was igain is hauled to the carg or offers, the used for some agricultural purpose-either given a ride over the pertile plains around vators, and the temporary elevators refor tilling or ranching. Clity. The cltisqns are phthusiastic turned to the vieinity of the farm house, Late in the afternoon the great plain over their suceess as a farming community where they are used as slee, ing houses for
    of Regina was reached-a plain treeless, and reealted, the folet that last year over the hired men and for storase hut with an apparently deep soil. In the $1,500,000$ bushels of that last year over the hired men and for storage. Some of plain lies the city of Regina, the capital from this point. So great was the crop year 95 bushels Moose Jaw yielded last of the Northwest Territories, for one cap- during the past swo years that the rail some other fields yielded 58 bushels per ital suffices for Alberta, Assiniboia, Atha- roads and elevators were mubble to re- acre of wheat. baska and Saskatchewan. The town has ceive it, and the farmers had to construct Here agriculture and ranching go hand
    over 2,000 imhabitants. Here resides the humdreds of lieutenaut-governor, and here resides the hundreds of Mmall elevators to hold-it. in hand; for near the town-was seen a the government buildings and the head. This gave rise to a sather novelinvention herd of beef cattle several hundreds in the government buildings and the head- -elevators on skids. These are small number. On another side was seen a Forty miles further on Moose Jaw was from $\$, 000$ to 1,500 -bushels of grain each. perty of the citizens in the cows, the proreached, a town of over 2,000 inhabitants Fach granary is supported on long run. About the citizens in the town.
    and one of the most important, places in ners called skids. At this time of the from the Monead of cattle are shipped
     good farming country and a great grain farm yard, side by side. At harvest time growing five stock findustry. In riding

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    over the prairies we saw many good fields price for the Territories. Within a few surprised to learn that irrigation is pracof alfafa. The farms are rarge, a square miles of the town, farm land brings $\$ 20$ tised in any part of Canada. These irrimile being considered the right size for per acre. A few years ago this land sold gation works are of very vecent date, the farm here. A quarter-section farm is at from $\$ 3$ to $\$ 10$ per acre. Stories were first use of water in this way in Alberta looked down upon as hardly worth at- told the writer of men who last year ahving been only seven years ago. Withtuntion. The great need of the country cleared from their wheat crop more than in that time a magnificent system of irriis timber, which grows readily where the land on which it was grown originally gation canals and ditehes has been complanted; as was demonstrated by the cost them. This is easy to believe in pleted and is now in full operation. There helter belts on some or the farms, and view of the large crop and high prices for have been constructed 15 miles of canals the trees on the residenoe lots in the wheat last year. 2 and enough laterals to make a total of town. The prairie fires and not the lack From Calgary the journey was made 497 miles or canals and irrigation ditches. of water or proper soilhave kept the trees to Macleod and Lethbridge in the cen- Over 100,000 acres of land have been from growing on the plains. tre of the irrigated district of Southern brought under irrigation, most of which Land around Moose Jaw is high in Alberta. Americans will doubtless be have been alfeady disposed of to settlers.

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     river and lakes, which are fed by the melt- year when it cannot be taken up time of that case the ground in the winter would ing snows of the mountains of Montana. crops. Yet this rainfall is sufficient for be covered with snow for such long periOnly 160 acres of irrigated land can be all needs.' It will thus be seen that the ods and to such depth that the grazing obtained by any one settler, but land amount supplied by irrigation in that the animals would starve. The snow fall here slitable to dry farming may be ought ritory around Lethbridge is sufficient for is generally only a few inches, and this in addition. sll crop demands. Moreover, the annual the animals graze. The wild grasse which It is estimated that out of every 160 rainfall here is about 10 inches per year. this region growe. The wild grasses of actes of land, the owner will want to This makes the water supply over abun- haight region grow to a foot or more in irrigate 150 acres, and the irrigation dant. This irrigation costs only about height and cure on the stem. They do company figures for the irrigation of $\$ 1$ per acre, which is exceedingly about not beat down and lie on the ground to that amount. The chatge is \$150 per even as a crop insurancel In many of eastern grasses, but remain ap would our year for a flow of water equal to 1 cubic our humid states the farmers would glad- fore when the snow comes, the animals
    foot per second through the growing sea-son-from May lst to November 1st. per amount of moisture for insed a pro- continue to graze and grow fat; for the son-from May lst to November 1st. per amount of moisture for their crops grasses are very nutritions. It is desired
    Figured out, this amounts to 30 inches of at the right time of year. Figured out, this amounts to 30 inches of at the right time of year.
    water over the surface of the entire 150 It must not be supposed that this therefore to irrigate only a part of the acres. Moreover, this water is applied section of the Canadian Northwest is of forage and general farm crops. Nor is during the growing season, which insures arid. The rainfall of ten inches in this it desired to general farm crops. Nor is its greater use by the crops. The average seetion is ithe smallest in the teiniteries it in one block; have to have it scattered land annual rainfall in the vicinity of Chicago, but is sufficient for the best restits from that fritigated and unirrigated portions III., is about 35 inches and at.-Dubuque, the yanger. A northery range country, join. Farmers are encouraged to pur-
    Iowa, it is 33 inches. Much of this comes cannot exist vith a largerainfell, Iowa, it is 33 inches. Muchof this comes cannot exist yith a large range country join. Farmers are encouraged to pur-

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    AH1 business communlcations to the sidremed the the firm.

    ## Brougham street nums, Leicuster, Enoland.


    #### Abstract

    of unirrigated land, the unirvigated land to cut since last september. This grass the water threugh atl tide atincipal street to be used for pasturage twelve montles even at this time of year is cut and sold and along many of them are found row in the year. Adfoining the irmignted area by the load in the open marloets. There of trees already several years ofd, and this great ranching region is beirg cut seemed to be a superabuncance of hay, from ten to twonty feet high and distributed among the small hold- as up and distributed among the small hold- as large areas were still uncut and the At Lethbridge we were the guests of ers of land. A most perfectly balanced new grass was rapidly pushing up through the citizens, the board of trade and the system of mixed furming is that stab- the old. lished. Lethbridge has a poulation of about Trian Northwert Lrigation company The method of haying atl though this 2,000 people, many of whom work in the narow guage railroad to wiew the irriregion is rather surprising to one brought coal mines at this place. Bitumizous coal gation system. On our way we passed up in the Eastewn United Ctates. where of a high quality is mined here, and is several thrifty and growing towns. One having begins the last of June and is sold at the mines for $\$ 2.75$ per ton. It of these, Sterling, is throe yoars old and rompleted in two or three weeks. Here is delivered to any house in the town for has 1,500 inhabitants. Another town. the hay is cut at almost any time of an additional charge of 50 cents. Most Raymond. was one year old last October year. I rode with a man through a field of the farmers come to the mines and and has now 1,600 inhabitants. This gives Where the last year's grass towered a foot haul their own coal. So far as the fuel some idea of how rapidly this country is above the new grass. The driver called is concerned there is no regret that the being settled. We stopped at Raymond for a hired man and asked how his sup- country here is not woodeo. In the town to visit a beet sugar factory in course ply of hay was. He replied that he had and around it trees are being grown in of erection, the only one in Canada wesf cat enough a week ago to last for a large numbers, and in the no distant fu- of Berlin, Ontario. This one belongs to month. The grass we rede through would ture this locality will be bebutiful with the Mormons and is postheng $\$ 650,000$. It make then, June, from half a ton to a extensive groves of a dozen different will be of capacity sufficient to handle the ton per acre, of hay, and had been ready kinds of wood. Open ditehes now convey brets from 3,500 acres of land, producing


    

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    ##  407 to 499 Birkbeck Bank, Ghamhers, Sguthamptog Buiditings, Holborn, London, IV.C. Eng. JOHA YWEspyRO, Box E463

    GTOOKS AND BONDS
    
    from 12 to 14 tons of beets per acre. The growing of sugar beets is coming to b quite a feature in the farming operations here, as the soil is admirably adapted to the growing of this root. Analyses of beets show sugar contents of from is to 22 per cent. with a general purity in excess of 80 per cent. Thie Mormons control Raymond and the farming country around it. They make a contract is every settler coming in that he shall acres of land purchased or leased. There seems no reason to doubt that this locality will beeome a great producer of beet sugar. Connected with the factory is a silo in which the refuse matter from the ocets is to be stored for the use of stock The by-products are thus to be utilized from the beginning.
    Returning to Calgary our journey was nearly due north for 192 miles to Strathcona, on the south side of the north is the northern terminus of the Canadian Pacific railway, and the farthest north of any railroad station on the continent. Across the river lies Edmonton, a place with a population of about 3,500. Strath-
    cona is credited with 2,500 , making a total of about 6,000 for the two places, which are comected by meatrs of an iron bridge. To the tourist from the United States these two places possess of large ampunt above the Both are located 200 feet above the Saskatchewan river, which is
    here a magnificent stream ano fon here a magnificent stream, 600 feet wide Its banks, here precipitious and there gradually sloping; are thickly wooded with poplar, cottonwood, tamarac, spruce, wi-
    low and lesser forms of arboreal growth. Sow and lesser forms of arboreal growth.
    Standing on the high banks at Strath. cona and looking toward the setting sun, We had a most delightful vision of sunlit Waters and encompassing forests.
    ${ }^{5}$ The soil here is most excellent in character, being sandy loam, well balanced with elay. The surface soil is neorly black, showing it to be very rich in humus. Where á cellar was being dug at
    Strathonone at Strathcona, at the highest part of the town, we measured the surface soil and
    found it to be 22 inches in depth. Where

    # Telegrams: "HANDEIT," Leloester. <br> <br> HALT \& HARI, <br> <br> HALT \& HARI, <br> <br> Braunstone Gate, <br> <br> Braunstone Gate, LEICESTER, England. 

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