

CANADIAN TRADE REVIEW

PICTOU, STELLARTON
AND WESTVILLE

ILLUSTRATED
EDITION.



FOUNDED
1885

MONTREAL.
CAN.



MAP
OF
MARITIME PROVINCES.

Wm. Rylance & Sons
P. O. Liverpool



SENIOR MEMBER OF THE FIRM OF MESSRS. RYLANCE & SONS, MERSEY OAKUM WORKS, LIVERPOOL, ENGL.



JAMES RYLANCE,

OF MESSRS. RYLANCE & SONS, LIVERPOOL,
 ENGLAND.



WALTER L. RYLANCE,

OF MESSRS. RYLANCE & SONS, LIVERPOOL,
 ENGLAND.



MR. RANDOLPH RYLANCE,

OF MESSRS. RYLANCE & SONS, LIVERPOOL,
 ENGLAND.

OAKUM.

RYLANCE & SONS.

The business of Messrs. Rylance & Sons, oakum manufacturers, Mersey Oakum Works, Naylor street, Liverpool, makers of the celebrated XL brands of patent machine oakums and surgical tows, and contractors to the British Admiralty was founded in 1868. It is owned and controlled by Mr. R. L. Rylance and his three sons Walter, James and Randolph trading under the style of "Rylance & Sons." The firm's output and transactions have very materially developed in recent years, and the business is now one of the largest and most important connected with the oakum trade in the world. The firm has very extensive works and warehouses with commodious and well appointed offices, the whole covering a large area of land in one of the best central positions in the city of Liverpool. Their offices and works were extended and remodelled in 1892, and again in 1899, and have been fitted with the latest and most improved plant and machinery for the manufacture of superior oakums and tows of every kind.

Much of the machinery in use is protected by patent, and an exceptionally competent staff of experienced hands is employed.

Their goods are in steady demand among buyers all over the world and for fineness and uniformity of grade and texture, quality and general reliability, they have achieved a reputation which may be fairly described as second to none. Of late years they have opened up a substantial export trade, particularly with the United States and Colonies. They are contractors to the Admiralty, and also supply many of the leading English shipbuilders, steam shipping companies, dock boards, and canal companies. The Messrs. Rylance themselves take an active part in the management of the enterprise; they have never hesitated to adopt improved machinery or improved methods of manufacture, and it is largely owing to their efforts that the oakum industry owes its present condition of prosperity. Messrs. Rylance & Sons a short time ago put on the market their "Marine" quality of machine picked oakum, to meet the requirements of former users of prison hand-picked oakum, and since its introduction numerous and repeated orders have followed. The proprietors possess a most exhaustive intelli-

macy with every section of their business, devoting to all its concerns their personal and undivided attention, and the results of such a policy are plainly visible in every feature of the work engaged in.

Mr. R. L. Rylance, the head of the firm takes full charge of the manufacturing departments having an efficient staff of practical and experienced managers and work people to carry out his instructions. Mr. Walter Rylance, the eldest of the three sons in the firm has charge of the foreign trade, and has just returned from a business trip to Australia in the interests of the firm. Mr. James Rylance, the second son attends to the buying and selling departments and is reckoned one of the smartest buyers and salesmen in Liverpool. Mr. Randolph Rylance, the youngest son acts as bookkeeper and cashier.

It is at all times satisfactory to bear witness to a work conducted with exemplary care and on the most honourable principles, and this satisfaction becomes heightened very materially when, as in the present instance, the enterprise receives the full and well merited support of the public, a recognition which will doubtless be long enjoyed and earnestly wrought for by Messrs. Rylance & Sons, of the Mersey Oakum Works, Naylor Street, Li-

THE CANADIAN

TRADE REVIEW

FINANCE AND INSURANCE RECORD

DEVOTED TO THE MANUFACTURING INTERESTS OF THE DOMINION.

Vol. XXIX.—No. 24

MONTREAL, FRIDAY, OCT. 12, 1900.

HENRY HARVEY & CO.
Publishers and Proprietors.

THE
**Fitz-James
Scotch Whisky**

RECOMMENDS ITSELF.
SPECIAL QUALITY—8 Years Old.
PURITY GUARANTEED.

Sole Proprietors:
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ESTABLISHED 1802.

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82 GREAT CLYDE STREET,
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DISTILLERY: DUFFTOWN,
GLENLIVET, SCOTLAND.

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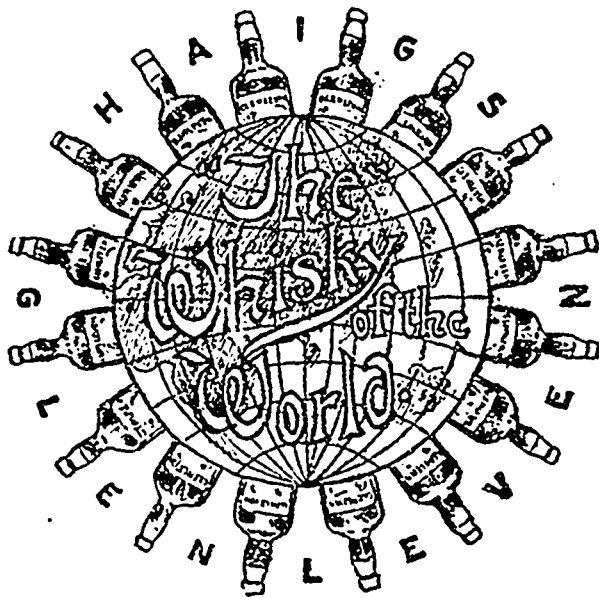
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WHISKY**

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Increasing
Demand.

Its prominence is rigidly maintained and every
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ESTABLISHED UPWARDS OF TWO CENTURIES.

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HEAD OFFICE, MONTREAL.

BOARD OF DIRECTORS: BR. HON. LOUIS STRATHOONA AND MOUNT ROYAL, G.O.M.G., President. HON. G. A. DRUMMOND.....Vice-President. A. T. PATTERSON, Esq. Sir William C. Macdonald, Edward B. Greenshields, Esq. R. B. Angus, Esq. James Ross, Esq. R. G. Reid, Esq. E. S. OLOUSTON, General Manager. A. MACINTYRE, Chief Inspector, and Superintendent of Branches. W. S. Clouston, Inspector of Branch Returns. F. W. Taylor, Assistant Inspector. James Aird, Secretary.

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IN NEWFOUNDLAND.

B. John's, Esq., - Bank of Montreal.

IN GREAT BRITAIN.

London, Bank of Montreal, 22 Abchurch Lane, E.O.

ALEXANDER LANG, Manager.

IN THE UNITED STATES.

New York - R. Y. Hedden and J. M. Greats, Agents, 59 Wall Street. Chicago - Bank of Montreal, W. Munro, Manager.

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London - The Bank of England. " The Union Bank of London. " The London and Westminster Bank. " The National Provincial Bank of Eng. Liverpool - The Bank of Liverpool, Ltd. Scotland - The British Linen Company Bank and Branches.

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New York - The National City Bank. " The Bank of New York, N.Y. Boston - The Merchants' National Bank. " J. B. Morgan & Co. Buffalo - The Marine Bank, Buffalo. San Francisco - The First National Bank. " The Bank of British Columbia. " The Anglo-Californian Bank. Portland, Oregon - The Bank of British Columbia.

Montreal, 30th April, 1900.

BANQUE D'HOCHELAGA.

HEAD OFFICE, MONTREAL.

Capital subscribed.....\$1,250,000 Capital paid up..... 1,250,000 Reserve fund..... 565,000

F. X. ST. CHARLES, President.

R. BUCKERIDGE, M.P.P., Vice-President.

Chas. Chaput, Hon. J. D. Rolland, J. A. Vallancourt. M. J. A. PRENDEGAST.....Manager C. A. Giroux, Assistant Manager. O. E. Dorais, Inspector.

SAVINGS DEPARTMENT at head office and branches.

City Branches - 1338 St. Catherine Street and 204 Notre Dame Street, 1758 St. Catherine St.

BRANCHES:

Three Rivers, Joliette, Sorel, Valleyfield, Sherbrooke, P.Q., Vankleek Hill, Winnipeg, Man., Louisville, P.Q., Quebec, P.Q.

CORRESPONDENTS:

The Clydesdale Bank (Limited), London, Eng. Paris, France - Credit Lyonnais, Comptoir National d'Escompte de Paris, Credit Industriel et Commercial, Societe Generale, Berlin, Germany - Deutsche Bank, Bruxelles, Belgium - Credit Lyonnais, Vienna, Austria, Banque Impériale Royale des Pays Autrichiens, New York - Importers and Traders National Bank, Messrs. Ladenburg, Thalmann & Co., Messrs. Hoidtbusch, Ickelheimer & Co., The National Bank, National City Bank of New York, Boston - The Third National Bank, International Trust Co., National Bank of Redemption, Chicago - National Live Stock Bank, Illinois - Trust and Savings Bank.

Collections made throughout Canada at the highest rates. Letters of credit issued available in all parts of the world. Interest deposits allowed in Saving Bank Department.

Union Bank of Canada

Capital Paid up..... 2,000,000 Reserve Fund..... 450,000

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LA BANQUE NATIONALE

HEAD OFFICE, QUEBEC.

Capital Paid up.....\$1,200,000 Reserve Fund..... 200,000

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BRANCHES:

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PROVIDENT SAVINGS

Life Assurance Society

OF NEW YORK.

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SHOWS FOR 1899 AN INCREASE IN

New Business, Outstanding Insurance, Assets, Total Income, Reserve for Policyholders,

Insurance in force, over..\$107,000,000 Returned to Policyholders, over..... 17,000,000

Most desirable Forms of Policies issued at lowest rates consistent with safety.

Good positions and liberal contracts for agents.

THE MOLSONS BANK.

Incorporated by Act of Parliament, 1855.

HEAD OFFICE: MONTREAL.

Paid-up Capital, - \$1,474,825.00 Reserve Fund, - \$2,050,000.00 Current Discounts - 50,000.00 Profit & Loss Account 15,909.47 \$2,145,909.47

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A. D. DURNFORD, Chief Inspector and Superintendent of Branches. W. H. DRAPER, Inspector.

H. LOCKWOOD, Assistant Inspector. W. W. L. CHITMAN, Assistant Inspector.

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Commercial Paper Bought, Drafts Drawn on all Parts of Europe and America, Drafts from Foreign Countries Cashied at Lowest Rates, Business Transacted by Co correspondance.

If you are thinking of enlarging your factory, mill, or mine, or of purchasing machinery or plant of any kind, send TRADE REVIEW a post card stating your needs. It enables you to buy in the cheapest market. See our "Contract Department."

ONTARIO BANK

Capital Paid up.....\$1,000,000.00
 Reserves..... 200,000.00
 Profit and loss account..... 17,687.27

HEAD OFFICE, - TORONTO.

DIRECTORS

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 DONALD MACKEY, Esq., Vice-President.
 A. S. Irving, Esq., Hon. J. Aikins.
 D. Ulyot, Esq., R. D. Perry, Esq.
 J. Hallam, Esq.

CHARLES MCGILL.....General Manager

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Alliston	Fort William	Newmarket
Aurora	Kingston	Ottawa
Bowmanville	Lindsay	Peterboro'
Buckingham, Q.	Montreal	Port Arthur
Cornwall	Mount Forest	Sudbury
		Twice

Toronto, Sec't and Wellington Streets.
 " 500 Queen Street West.
 " Yonge and Richmond Streets.

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 France and Europe—Credit Lyonnais.
 New York—Fourth National Bank, and the
 Agents Bank of Montreal.
 Boston—Elliott National Bank.

HALIFAX BANKING Co.

Incorporated 1872

Capital Paid-up..... \$500,000
 Reserve Fund..... 100,000

HEAD OFFICE.....HALIFAX, N.S.

DIRECTORS:

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 C. W. ANDERSON.....Vice-President.
 W. N. Wickwire, John MacNab,
 W. J. G. Thomson.

H. N. Wallace.....Cashier.
 A. A'lan.....Inspector.

BRANCHES.—Nova Scotia: Halifax, Amherst,
 Antigonish, Barrington, Bridgewater, Canning,
 Lockeport, Lunenburg, Middleton, New Glas-
 gow, Parrsboro, Shelburne, Springhill, Truro,
 Windsor. New Brunswick: Backville, St. John.

CORRESPONDENTS—Ontario and Quebec—Mol-
 sons Bank and Branches, New York—Fourth
 National Bank, Boston—Suffolk National Bank,
 London, England—Farr's Bank Limited.

ST. STEPHEN'S BANK.

Incorporated 1838.

St. Stephen, N. B.

Capital..... \$200,000
 Reserve 45,000

FRANK TODD, - President.
 J. F. GRANT, - - Cashier.

AGENTS

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 New York—Bank of New York, N.B.A. Boston
 —Globe National Bank. Montreal—Bank of
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 Drafts issued on any Branch of the Bank of
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Blenders and Manufacturing
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For Paper Hangers.

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TORONTO,

SECURITIES.

Choice Blocks of Municipal and
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 Always on Hand.

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Municipal Debentures,
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Commissioner for Quebec and Ontario,
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 evenings will begin, Oct. 2nd. Short-
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 Business Arithmetic, Penmanship,
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 taught by nine experts. No class
 work. Call and examine our new
 methods of teaching old subjects, or
 telephone Main 2890 for a Prospectus.

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ROBERTS & LEE,

Manufacturers of

Needles & Fish Hooks.

DEPARTMENTS:

FISH HOOKS—Suitable for all Sea and
 River Purposes.

NEEDLES—F, wing, Packing and Sail.

SUNDRIES—Wire and other Smallwares,
 Fancy Needle Books and Cases.

REDDITCH, - ENGLAND

EASTERN TOWNSHIPS BANK.

Authorized Capital.....\$1,500,000
 Capital Paid In..... 1,500,000
 Reserve Fund..... 850,000

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 HON. M. H. COCHRANE, Vice-President
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 N. W. Thomas, J. S. Mitchell G. Stevens.
 O. H. Kathan.

HEAD OFFICE, - SHELBROOKE, QUE.

WM. FARWELL, - General Manager.

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 stead, Cantcook, Richmond, Granby, Hunting-
 don, Bedford, Magog, St. Hyacinthe, Orma-
 nder, Grand Forks.

CORRESPONDENTS:—Bank of Montreal, Lon-
 don, Eng.—National Bank of Scotland, Boston
 —National Exchange Bank, New York—
 National Park Bank.
 Collections made at all accessible points and
 promptly remitted for.

IMPERIAL BANK OF CANADA.

Capital authorized.....\$2,500,000
 Capital Paid-up..... 2,393,323
 Rest..... 1,555,660

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 T. R. MERRETT, Vice-Pres. St. Catharines.
 William Ramsay T. Sutherland Stayner.
 Robert Jaffray Elias Rogers,
 Wm. Hendrie.

HEAD OFFICE, TORONTO.

D. R. WILKIE, General Manager
 E. HAY, Inspector.

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 Fergus, Niagara Falls, St. Thomas,
 Galt, Port Colborne, Toronto,
 Hamilton, Ral. Portage, Welland,
 Ingersoll, Sault Ste. Marie Woodstock.

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BRANCHES IN NORTH-WEST & BRITISH COLUMBIA

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Calgary, Alta.	Revelstoke, B.C.
Edmonton Alta.	Strathcona Alta.
Golden, B.C.	Vancouver, B.C.
Nelson B.C.	Winnipeg, Man.
Prince Albert, Sask.	

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 South Africa—Standard Bank of South Africa
 (Limited).
 New York—Bank of Montreal,
 Bank of America.

**ALEX. GILCHRIST,
 BRASSFOUNDER.**

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Make a Specialty of All Kinds
 of Granolithic or Concrete

**BRASS PAVEMENT
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And Name-Plate S,

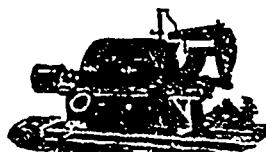
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 chinery for Manu-
 facture.

Stable Rollers and
 grooves handstamps,
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 crimpers.

Name Plates—any name and size, suitable for
 Builders, Contractors, Plasterers, and
 Concrete Workers.

Teeth Cut Out of Solid.

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**IMPROVED
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for Sugar, Starch, Cream of Tartar, Spices, etc.,
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Makes XXX and XXXX sugar without sifting
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E. S. STEPHENSON & CO.,
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SUN LIFE ASSURANCE CO.,
 OF CANADA,
 Issues Policies on all Approved Forms.
 UNCONDITIONAL POLICIES,
 LIBERAL PROFITS and
 PROMPT SETTLEMENT OF CLAIMS.
R. MACAULAY,
 PRESIDENT.

The Mutual Life Insurance Co.
 of NEW YORK.

Richard A. McCurdy, President.

The Greatest of all the
 Companies.

Assets..... \$301,844,537.52
 Insurance and annuities in
 force..... \$1,052,665,211

The Mutual Life Insurance Company
 issues every form of policy at the low-
 est rates commensurate with safety.

FIRE. Incorporated 1855. **MARINE.**
BRITISH AMERICA
 ASSURANCE COMPANY.

Head Office: - Toronto, Ont.

Cash Capital, - - - - - \$750,000.00
 Total Assets, over - - - - - \$1,510,827.88
 Losses Paid Since Organization - \$16,920,202.75

GEO. A. COX, PRESIDENT. J. J. KENNY, VICE-PRESIDENT.
 P. H. SIMS, SECRETARY.

G. R. G. JOHNSON, Resident Agent.
 Canada Life Building, MONTREAL.

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—The **GREAT WEST LIFE** Assurance Co.—
 a trial

The 20-payment Life Policy of the Great West Life gives a
 higher guaranteed cash surrender value at a lower rate
 than the same policy issued by ANY other Co., and it is
 LIBERAL and MODERN in every feature.

GOOD DISTRICTS FOR GOOD MEN, Address—
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Canada Accident Assurance Company,
 HEAD OFFICE, - MONTREAL.

A CANADIAN COMPANY FOR CANADIAN BUSINESS.
ACCIDENT & PLATE GLASS.

Surplus 50 p.c. of Paid-up Capital

Above all liabilities including Capital Stock.
T. H. Hudson, **E. Wilson Smith,**
 Manager. President.

The Federal Life Assurance Company
 Head Office, HAMILTON, CAN.

Capital and Assets, - - \$1,669,660.80
 Surplus to Policyholders, - \$723,257.77
 Paid Policyholders, 1899. - \$125,454.89

Most Desirable Policy Contracts.
JAS. H. BEATTY, **DAVID DEXTER,**
 President. Managing Director.
J. K. McCUTCHEON, **H. RUSSELL POPHAM,**
 Supt. of Agencies. Provincial Manager.

WESTERN
ASSURANCE COMPANY
 FIRE AND MARINE.
 INCORPORATED 1861.

Assets, over \$2,320,000 00
 Income for year ending 31st Dec.,
 1899, over 2,530,000 00

Head Office, Toronto, Ont.
HON. GEO. A. COX, President.
J. J. KENNY, Vice-President & Man. Director.
C. G. FOSTER, Secretary.
 Montreal Branch, 189 ST. JAMES STREET,
ROBERT BIKERDIKE, Manager.
 BOUTH & CHARLTON, City Agents.

National Assurance Co
 OF IRELAND.
 INCORPORATED 1821

CAPITAL.....\$5,000,000.
 FIRE RESERVE..... 1,500,000.
 FIRE INCOME..... 1,000,000.
 Head Office for Canada: - - - - -
MATTHEW O. HINSKAW, Branch Manager

Atlas Assurance Co.
 OF LONDON, ENG.
 FOUNDED 1806.

CAPITAL.....\$5,000,000.
 FIRE RESERVE..... 1,500,000.
 FIRE INCOME..... 1,000,000.
 1735 Notre Dame Street, MONTREAL
 Active Agents Wanted

NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, - President.
 Total Assets, ...\$215,944,811. Jan. 1st, 1899.
Increase in Insurance
in Force, 1898, - \$67,000,000

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 paid..... 144 per cent
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 issued..... 142 per cent
3. Increase in Business in force 84 per cent
- Note DECREASE in amount
 of Death Claims..... 200 per cent

All Life Insurance Companies IN CANADA COMBINED

Made the following increases in business in 1899
 over 1898:

1. Increase in Cash Premiums
 paid 7 per cent
2. Increase in New Business
 issued..... 12½ per cent
3. Increase in Business in force 7 per cent
- Note DECREASE in amount
 of Death Claims..... 5½ per cent
 (The figures for 1899 are not yet published.)

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 Victoria Life Insurance Co., or parties
 wishing information regarding Life Insur-
 ance, will please communicate with
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 HEAD OFFICE, MONTREAL.

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By Act of Parliament,
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THE ONTARIO MUTUAL LIFE ASSURANCE COMPANY
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Unprecedentedly profitable results

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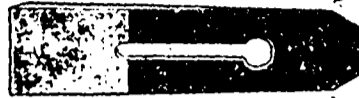
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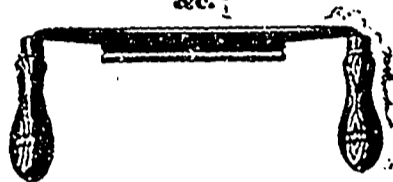
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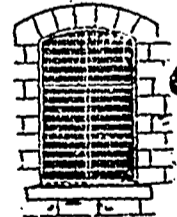
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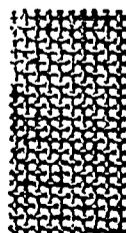
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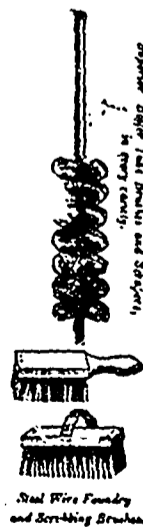
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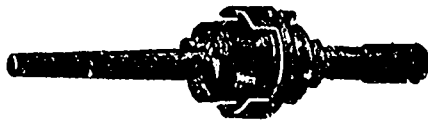


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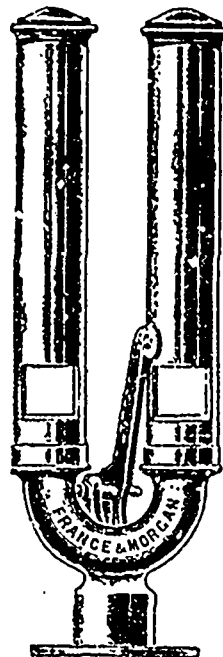
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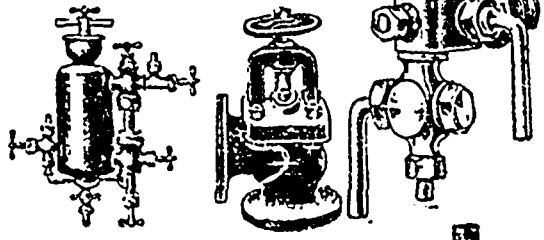
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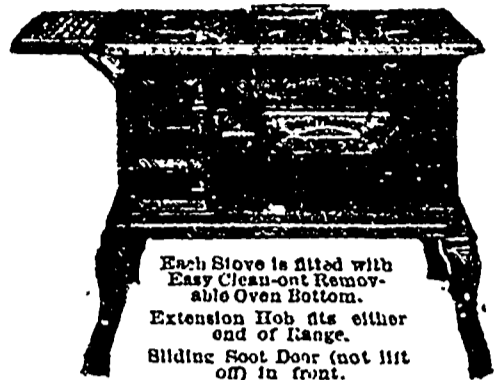
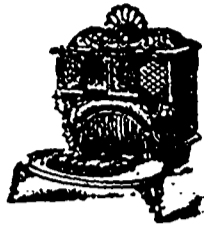
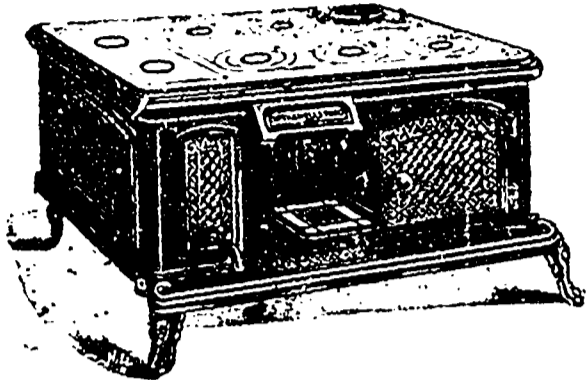
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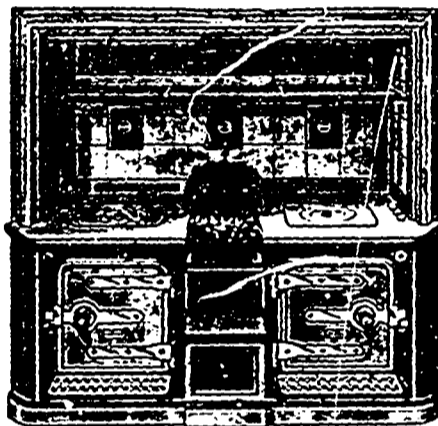
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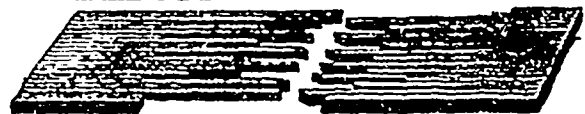
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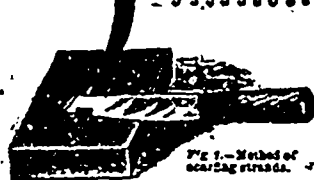
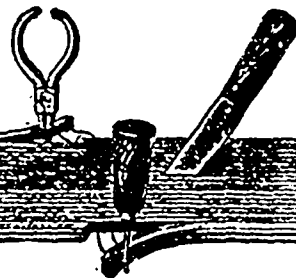
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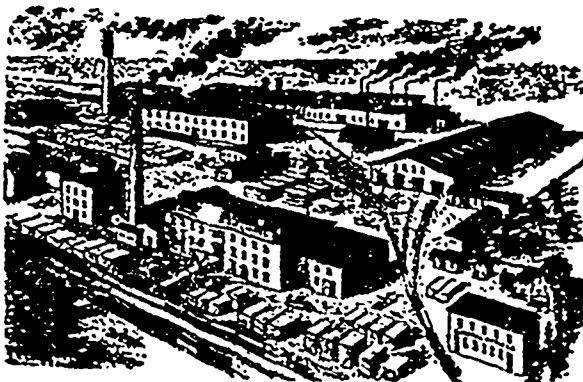
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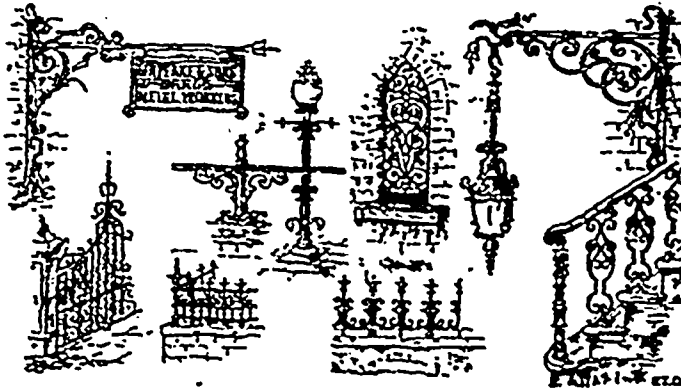
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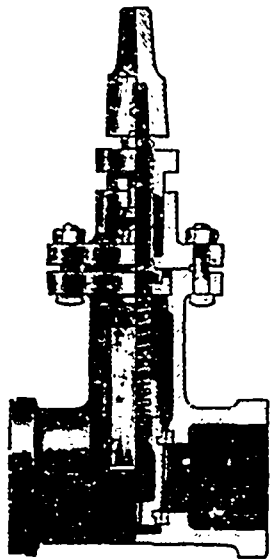
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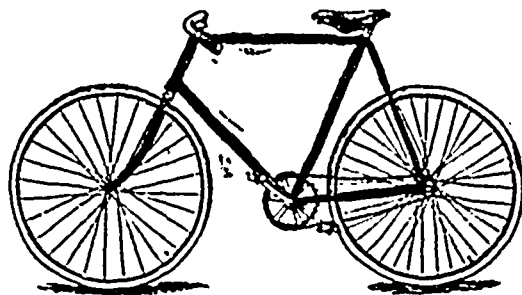
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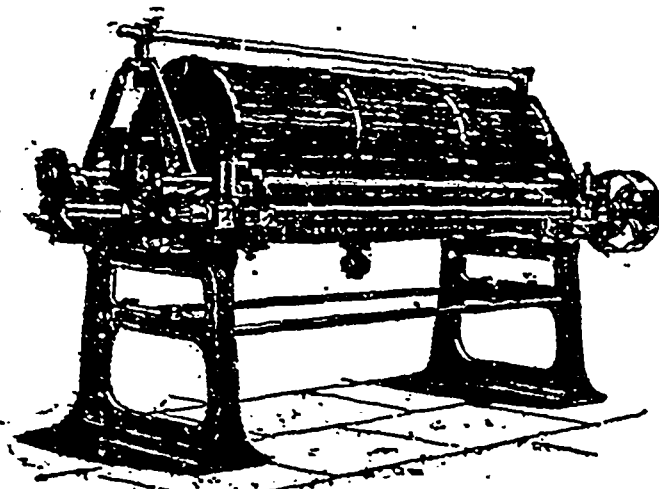
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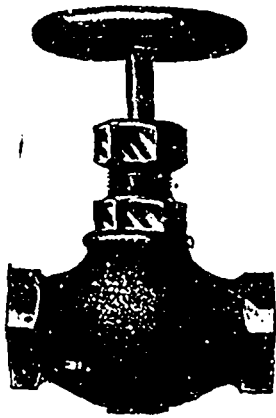
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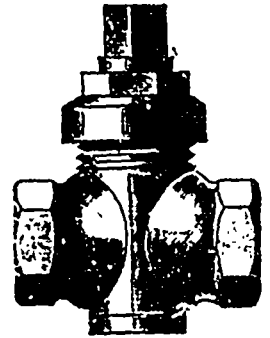


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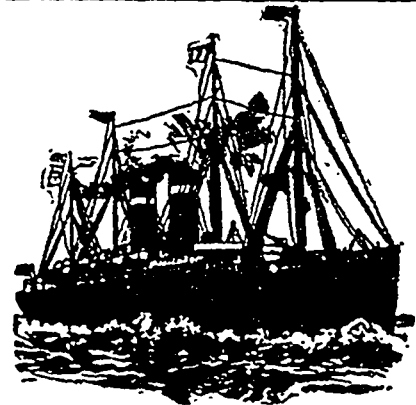
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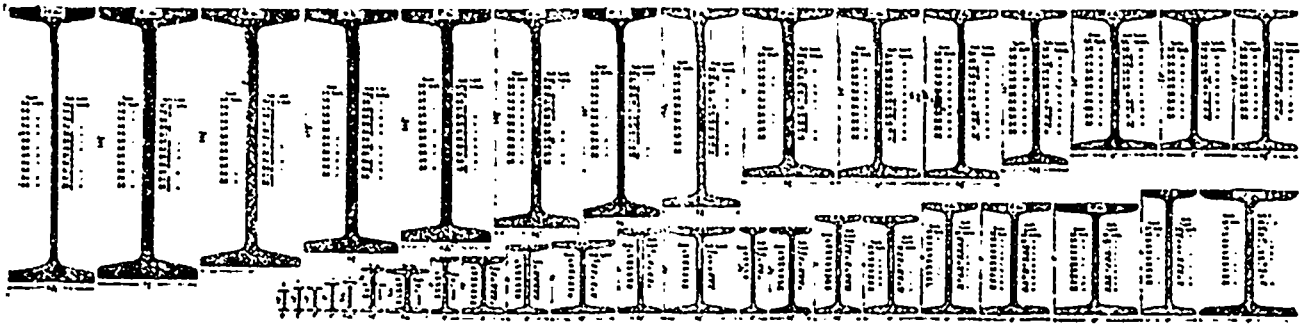
Patented 1880
TRADE MARK

Patented No 1477

P. & R. FLEMING & CO., GLASGOW, SCOTLAND.

LIST OF SIZES OF ROLLED STEEL JOISTS KEPT IN STOCK, AND ESTIMATED SAFE LOADS FOR SPANS FROM 10 FEET TO 32 FEET.

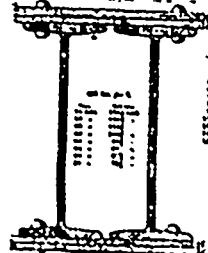
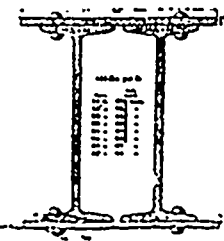
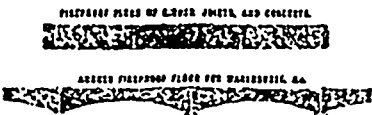
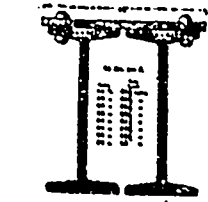
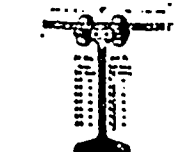
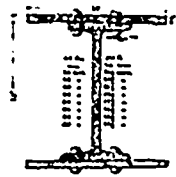
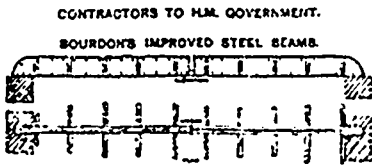
THE ROLLED JOISTS AND BRISTLE GRIDS ARE ALL DRAWN TO QUARTER SIZE.



SECTIONS MADE UP OF STEEL, BUT CAN BE SUPPLIED FROM THE WORKS WITHIN THREE OR FOUR WEEKS AFTER RECEIPT OF ORDER.
COMPOUND BRISTLE GRIDS MADE UP FROM ABOVE SECTIONS ON THE SHORTEST NOTICE.
OTHER COMBINATIONS OF BRISTLE GRIDS SUPPLIED PROMPTLY FROM WORKS.

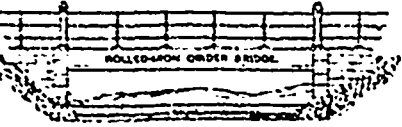
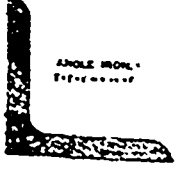
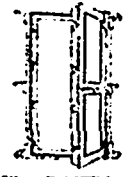
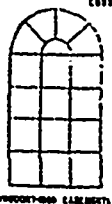
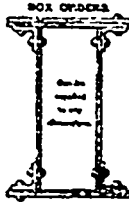
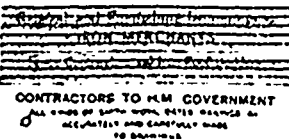
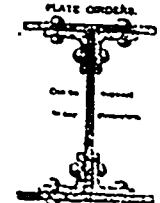
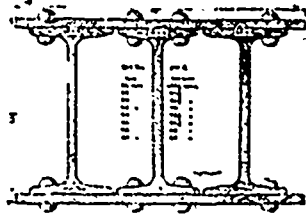
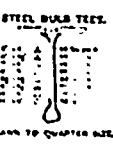
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Simple Span Beams

Span	Weight	Safe Load
10	10	10
12	12	12
14	14	14
16	16	16
18	18	18
20	20	20
22	22	22
24	24	24
26	26	26
28	28	28
30	30	30
32	32	32



STEEL BOLLS.

Size	Weight
1/2"	1/2
3/4"	3/4
1"	1
1 1/4"	1 1/4
1 1/2"	1 1/2
1 3/4"	1 3/4
2"	2
2 1/4"	2 1/4
2 1/2"	2 1/2
2 3/4"	2 3/4
3"	3



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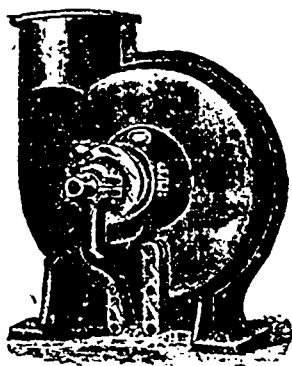


SHEFFIELD, ENGLAND.

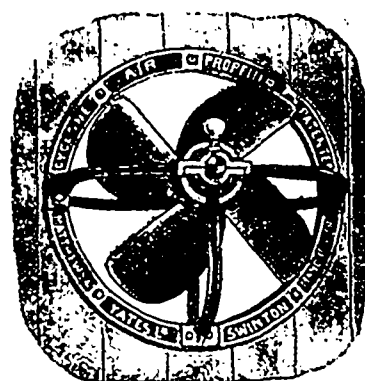
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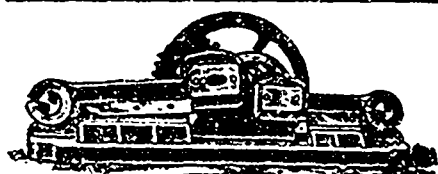
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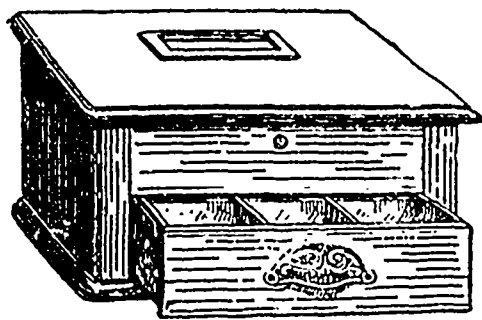
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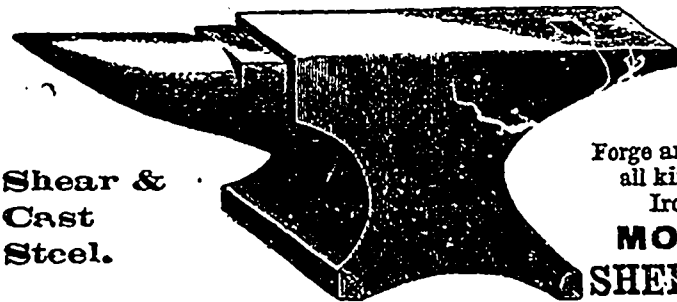
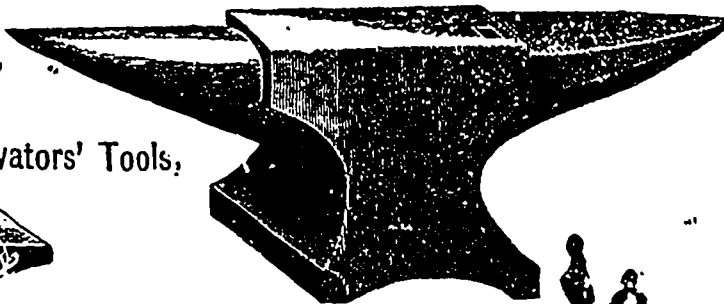
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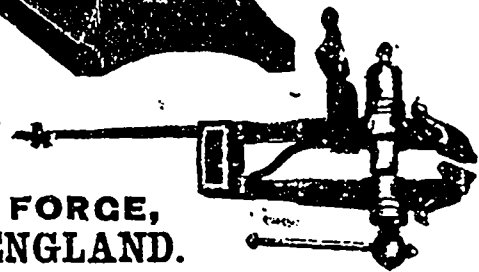
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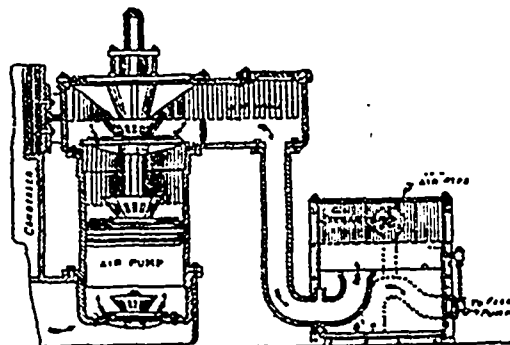
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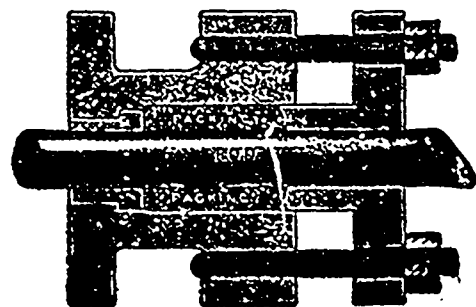
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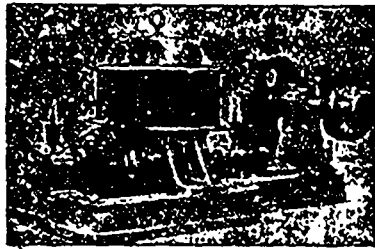
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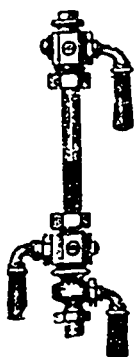
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For all Railway, Mining, Mechanical, Agricultural, Yard and Garden purposes, being the **STRONGEST** and **MOST LASTING** HOSE made. It is constructed of a Fabric Proofed with a Composition which **WILL NOT ROT** like Rubber. It is formed on, and externally bound, with wire. These wires, alternating, hold each other in place, so that they **CANNOT SLIP** and strangle the Hose, as is the case with wire bound rubber hoses. **IT CANNOT KINK**, nor form corners.

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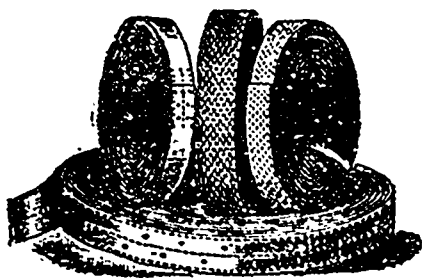
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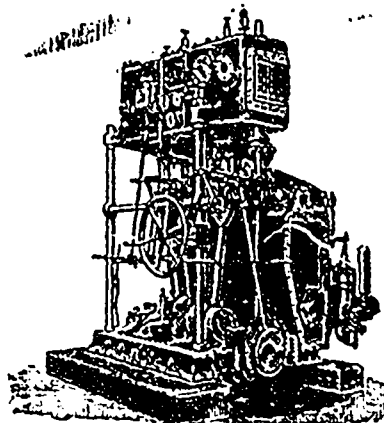
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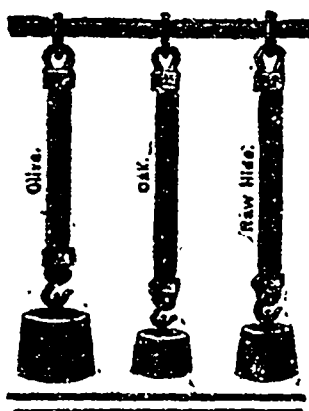
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GLASGOW, SCOTLAND.

PARTNERS:—K. TULLIS, H. P. TULLIS. Telegraphic Address: "CALF, Glasgow."

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Leather for all Technical Purposes.

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Single Olive Tan Belting weighs approximately .075 lbs. per lineal foot.

Single Oak Tan Belting weighs approximately .100 lbs. per lineal foot.

"OLIVE TAN" LEATHER BELTING.

In offering the above belting to users we can guarantee that belts manufactured from this tannage are the most economical and efficient in the market. The plant used in manufacturing is most complete. The hides are chosen from the heaviest Highland ox, and all stretch is taken out before making up. The belts are of uniform thickness throughout, which is a great advantage for fast running. From the illustration herewith one can see at a glance that it is the strongest belt extant. We are open at all times to advise customers on special drives, and prepare drawings illustrating our proposals, on receipt of the necessary information.



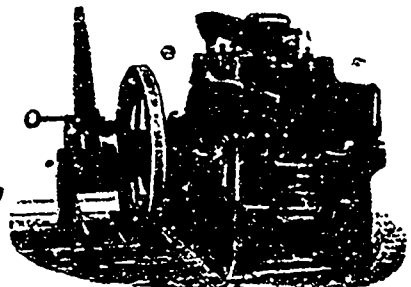
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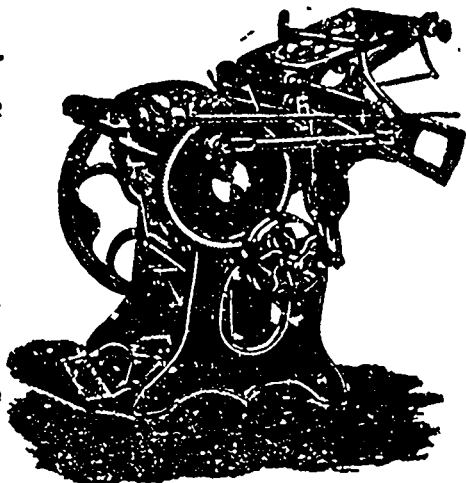
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MADE IN FOUR
SIZES:

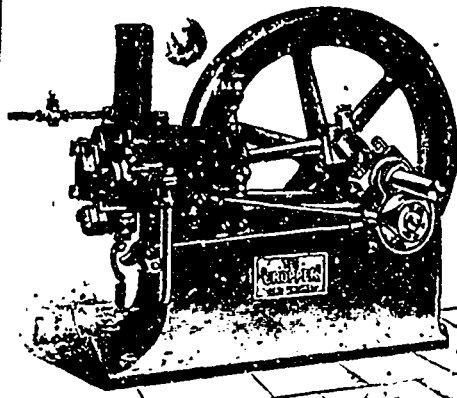
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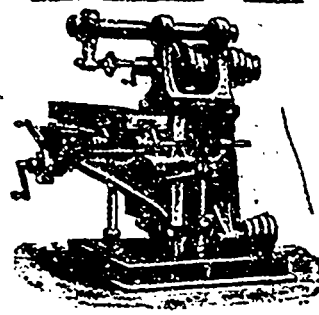
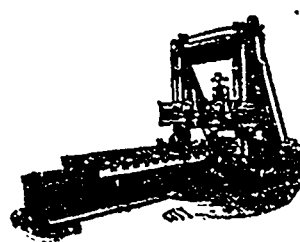
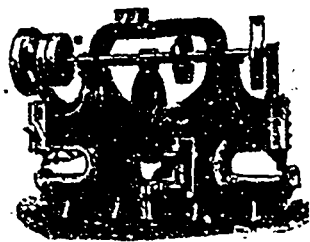
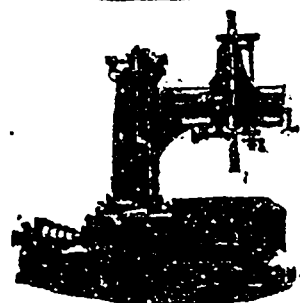
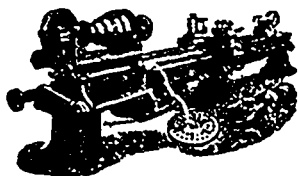
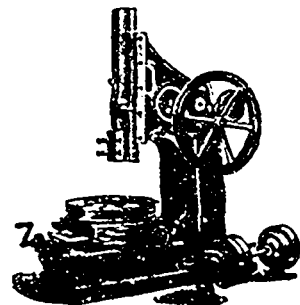
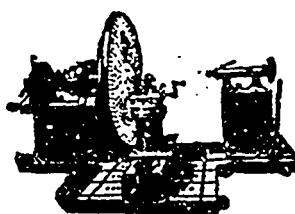
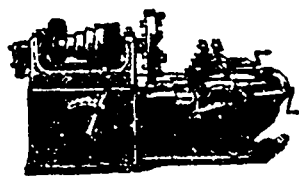
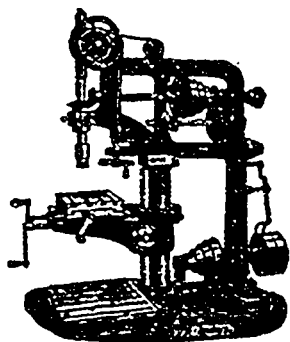
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Telegrams: "DEMPSTER, GLASGOW." Codes used: "A.B.C. (4th Edition)" and "Engineering Telegraph."

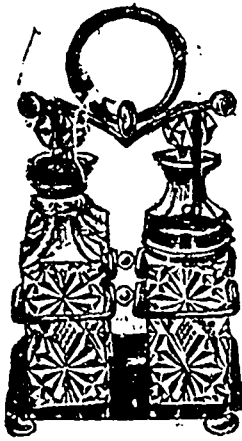
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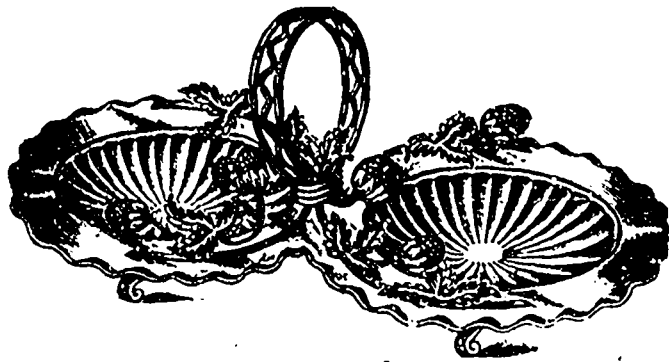
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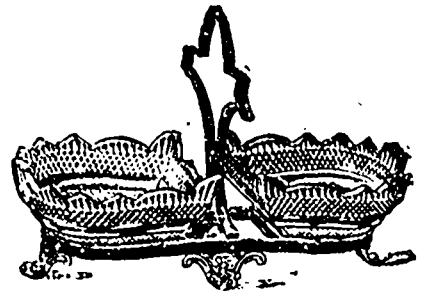
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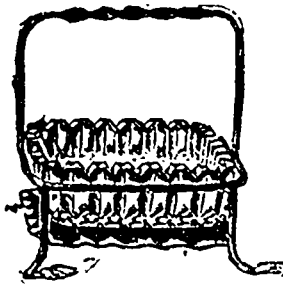
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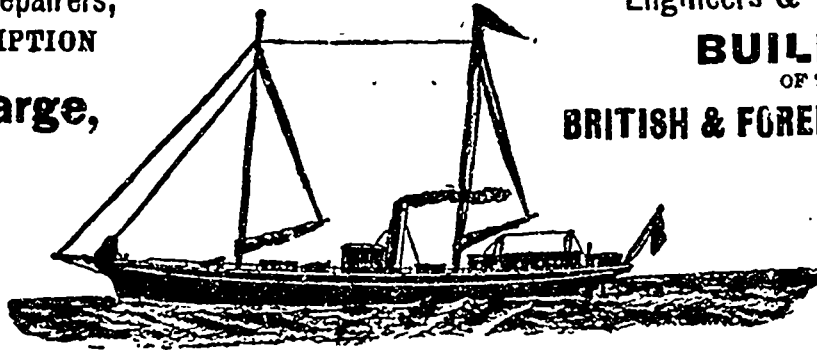
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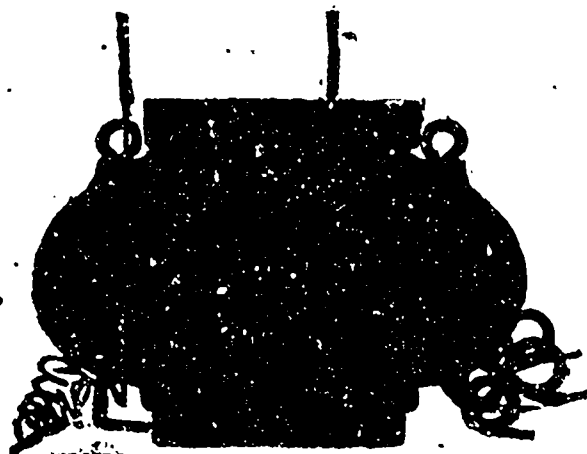
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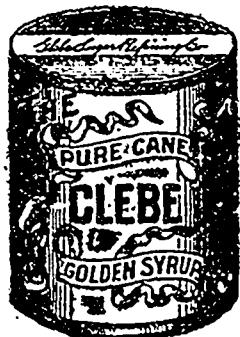
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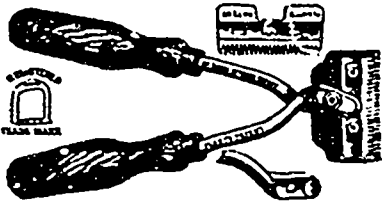
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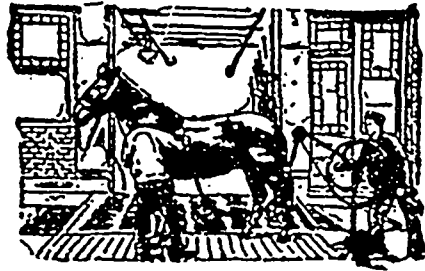


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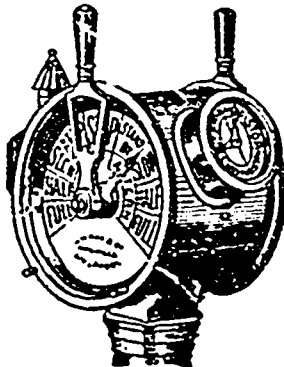
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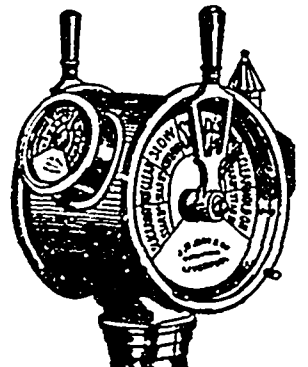
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 Bates' Line.
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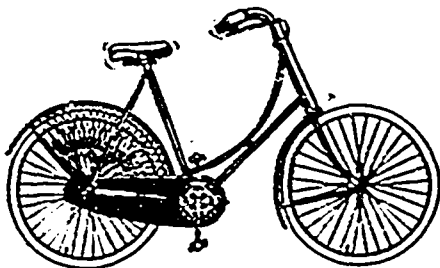


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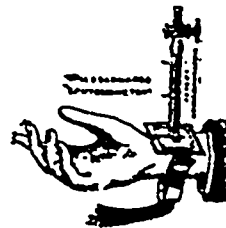
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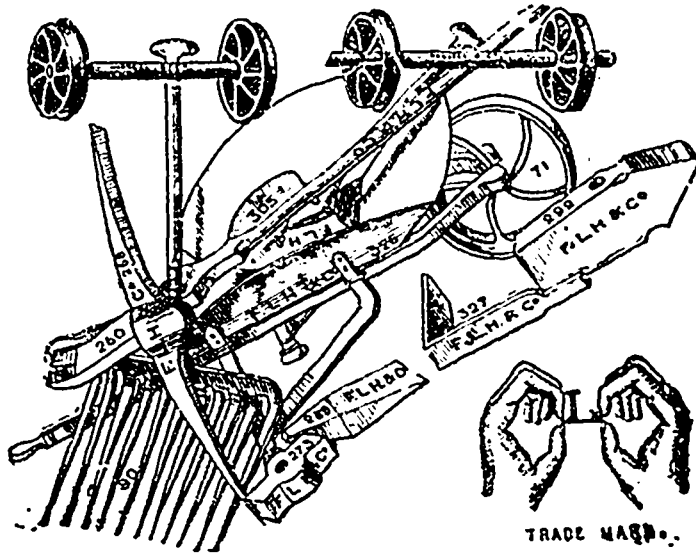
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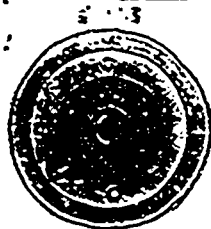
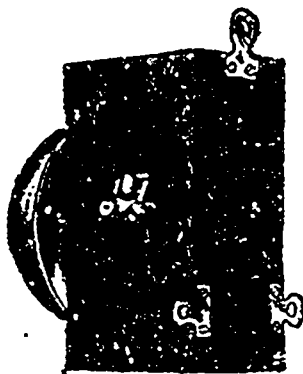
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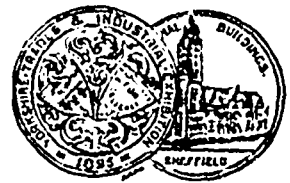
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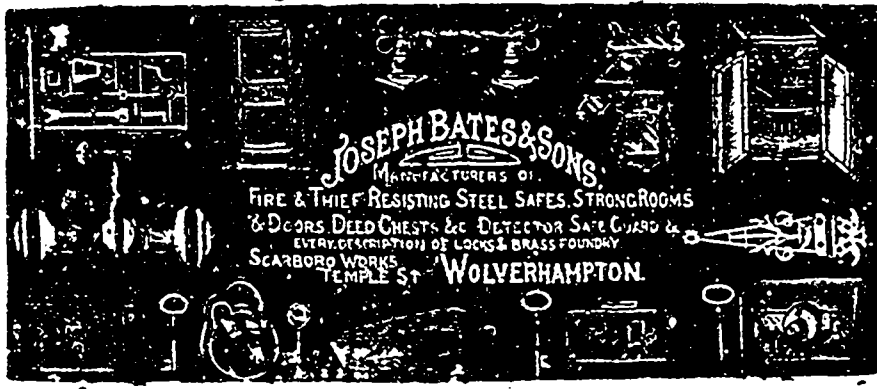
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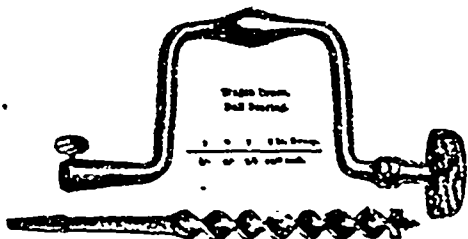
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Telegraphic Address: "PULSATING, STOCKPORT."



THE SMITH PREMIER Typewriter

WON

"Grand Prix"

At Paris Exposition, with the highest rating, leading all others, as follows:

Smith Premier.....	points	21.62
Remington.....	"	23.31
Yost.....	"	18.87
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Don't buy any but the best---
SMITH PREMIERS.

WM. M. HALL & CO.,

1702 Notre Dame Street,

MONTREAL.

Telephone Main 982.

Cable advices from Wick, Scotland, state that the summer herring at most of the Scotch fishing stations is about over for the season.

An unprecedented drought is prevailing in the districts of Cachar and Sylhet, province of Assam, causing great anxiety in regard to tea and other crops.

Reports from the eastern provinces of Prussia state that a scarcity of water has interfered very considerably with the production of some of the paper and board mills.

The water power of the Hull Lumber Company at Chaudiere Falls, Ottawa, has been purchased by Egan and Edwards for \$150,000. They intend to erect a large pulp mill there having a capacity of 100 tons per day.

A representative of British capitalists interested in the pulp industry is in Ottawa making enquiries about areas in Canada where the industry may be further extended. He will probably do some exploring of northeastern Quebec, where in the basin of the Meisic River a dense forest of spruce exists.

The falling off in the demand for wood pulp in England, on account of the slackness in the paper trade, has upset the calculations of Scandinavian producers. Consumers appear to be well stocked, and consequently little business is being carried through. Some of the Scandinavian mills however, are showing some anxiety, and appear more ready to make concessions.

Paper makers will probably have to pay an increased price for English bleaching powder in 1901. The United Alkali company is quoting for home consumption in 1901 £6 17s 6d per ton, which is a substantial advance over the price, £5 0s, quoted at this time last year for 1900 deliveries. The price for the United States has not yet been settled, and probably will not be for several weeks.

GEORGE MacLELLAN & COY

India Rubber, Asbestos & Waterproof Manufacturers,
GLASGOW, SCOTLAND.

Works:—Glasgow Rubber Works, Glasgow.

BRANCHES :

GLASGOW, 332 Argyll Street, NEWCASTLE, 16 & 13 Broad Chare. BELFAST, 3 Albert Square,
LONDON, 113 Fenchurch Street, E.C. SUNDERLAND, Borough Road, Opposite Customs House.
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INDIA RUBBER Valves, Sheet, Insertion, Joints, Washers, Buffers, Drag Blocks, Mats, Stair Treads, Cord, Gas Tubing, Engine Packings, Beltings, Hose Pipes, Door Stops, Roller Covering.
CYCLE GOODS.—Pneumatic Tyres, Cushion Tyres, Solid Tyres, Perambulator Tyres, Inner Tubes, Outer Covers, Solution, Handles, Pedals, Patching Rubber, Tyre Cement, &c., &c., &c.

CLYDE STEEL BRADS.

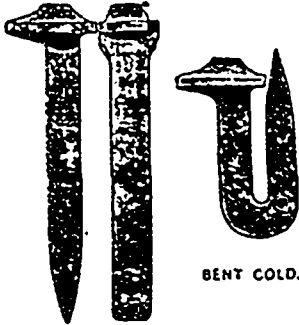
Improved Design. Made with Patented Machines.

FINE.
To supersede Oval Wire Brads.



ADVANTAGES
The best completely in the hole they make.
Narrow Penetration and Easy removal.
Hold better than Oval Wire Brads.
Can be driven into wood.
No splitting.

"CLYDE" PATENT STEEL DOG SPIKE.



BENT COLD.

STRONG.

For Flooring, &c.



ALL KINDS OF

PATENT & CUT STEEL NAILS,

GRADS, TACKS,

GIMP PINS, COFFIN PINS,

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TELEGRAMS: "CLYDE NEWTON LANARKSHIRE"

MORISON BROTHERS,

DEALERS IN

Drawing & Surveying
Instruments,

Drawing Papers, Tracing Papers,
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Description for

ENGINEERS, SHIPBUILDERS,
CONTRACTORS, ARCHITECTS
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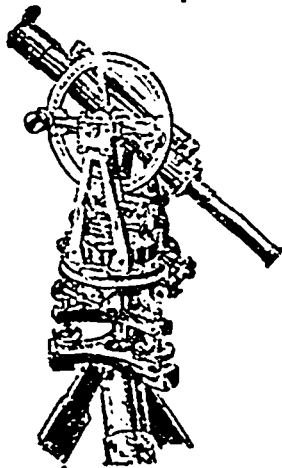
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Street Established 1822.

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FINEST

Old Scotch Whisky.

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Brands, "Jockey Club," "Methuselah,"
"Queen's Liqueur" (as supplied
to Her Majesty.)

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Wilson, Matheson & Co.,

UMBRELLA MANUFACTURERS,

Glassford Street,

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WM. HARVIE & CO., Limited,

Manufacturing Electrical Engineers,

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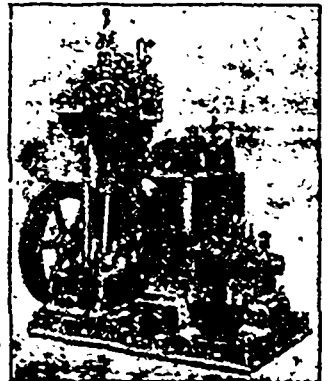
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Electric Plant
Dynamos, Motors, &c.
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Electric Installations for Ships,
Yachts, Houses, &c.,
Electric Bells, Pneumatic Bells,
Telephones, &c., &c.,
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Electric Fittings.
Over 200 Vessels Fitted.

Contractors to the British Ad-
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Lighting Plant.
Output, 180 Amps. 100 Volts.

To the Gas Companies and Corporations of Canada.

WHY NOT RESTORE YOUR SPENT LIME ?
It Will Pay to Do So
 By G. R. HISLOPS Patent Improved Lime Revivifying Apparatus.

Gas Companies and Corporations using Water-Gas Plant or otherwise producing the Spent Lime wholly or largely in the form of Carbonate, can most certainly have it recovered for many years continuously with unimpaired efficacy as a purifying agent, and at a cost greatly under that of New Lime. Quick Lime can thus be produced on the premises, so saving annoyance from irregular and uncertain supplies from other sources, and obviating the accumulation of the Spent Material and cost of its disposal. This Improved Process is adapted to the requirements of every Gasworks, and can be worked without Nuisance in any locality. Where Lime only is used for Purification of Coal Gas, it may be restored and used in the purifiers 3 to 6 times consecutively, or may, after a 1st, 2nd, or 3rd restoration, be sold as Building Lime, for which purpose it is well adapted.

Enquiries respectfully solicited. Full particulars of

R. F. HISLOP, F.C.S., Gas Engineer, Craigelea, PAISLEY, SCOT, Agent for Patentee

ARTHUR LANGLEY,

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Sole Maker of Taylors' Compound Elastic Piston.

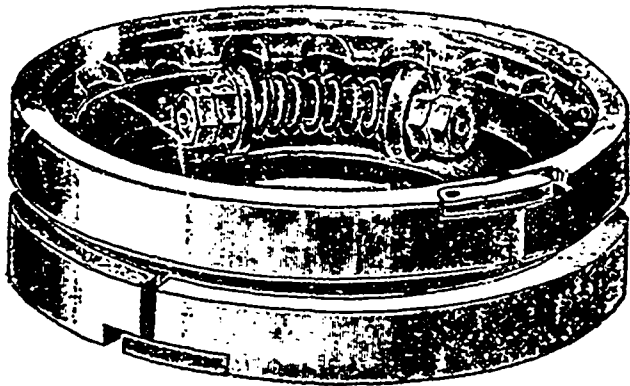
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SPRING COILING AND FORGING MACHINERY

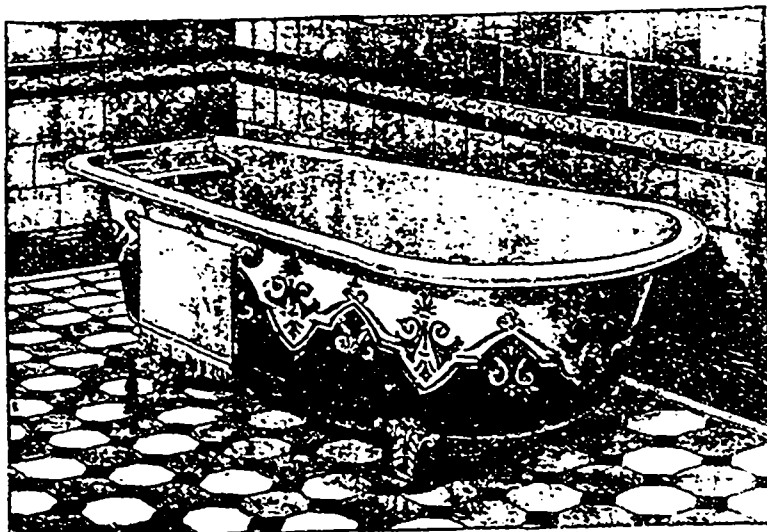
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BATHS in Cast Iron, Copper & Zinc

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Lavatories
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COMBINED BATH AND TOWEL RAIL.

When ordering please state hand for towel rail.

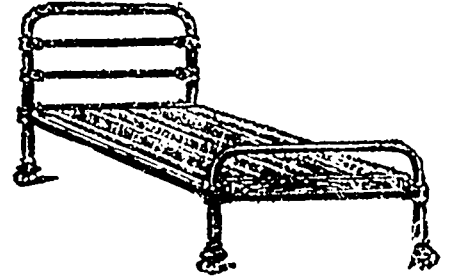
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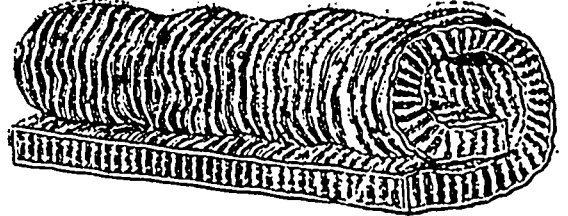
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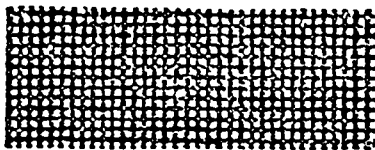
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ESTABLISHED
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TUBES AND FITTINGS
OF ALL KINDS
For Gas, Water, & Steam Purposes,
BOTH PLAIN AND GALVANIZED.

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CYCLE FORKS
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WIRE



Mitchell Street and
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**CLOTH &
BRUSHES,**
Glasgow,
SCOTLAND.

The N. P. R. conductors state that the traffic over the line this fall is altogether unprecedented.

The Kentville, N. S. Board of Trade has passed a resolution to the effect that in the opinion of the Board the Provincial exhibition, as now conducted, is not in the best interest of the agricultural, horticultural and manufacturing industries of the province of Nova Scotia.

The British government has contracted for a number of huts for the army of occupation in South Africa at the close of the war. Huts providing accommodation for 30,000 troops have been ordered, and the work is being carried out as quickly as possible. The building for warrant officers' quarters is 60 feet long and 20 feet wide and divided into 12 rooms. The hut is constructed of timber framing covered outside with corrugated iron, lined with felt and inside with deal matchboarding. The men's huts, accommodating 30 men

and one non-commissioned officer, are 113 feet long and 20 feet wide. When packed the men's huts each weigh about 35 tons, and the warrant officers' about 20 tons.

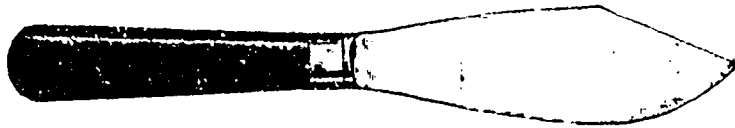
The North Sydney Herald says: Judging from the number of horns and skins that pass through North Sydney en route to the west on the Bruce's arrival from Newfoundland the slaughter of caribou must be tremendous. Over one thousand sets of antlers have already been shipped from the Ancient Colony.

The work of lowering Lake Manitoba has been proceeding rapidly. The canal at Fairford river, which is to be the outlet for the waters of the lake, is rapidly nearing completion. This canal is 1,800 feet long, 200 feet wide and from 10 to 12 feet deep. The object of the work is to lower the level of the lake, so that in high water seasons there will be no overflow. This will result in the cultivation of a large area of land along the lake shore.

Mr. J. S. Lark's report to Ottawa draws attention to the fact though the import of bicycles into New South Wales fell off some £30,000, and importations from both Canada and the United States show decrease, yet there was an increase in those from Great Britain. He says that the lightness of weight of the United States machines brought them into quick demand three years ago, but the customs returns show a return of popularity to the heavier and stronger manufactures.

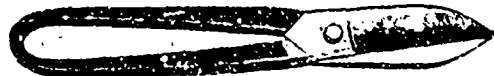
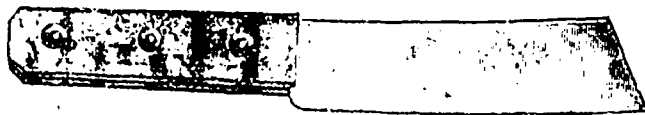
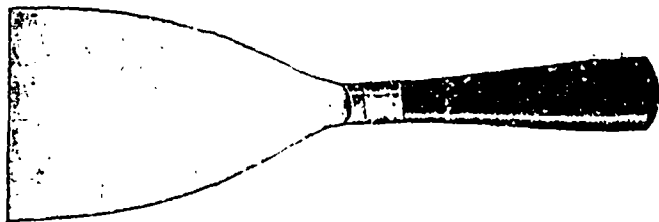
The Montreal Canning & Preserving Co., Montreal, has been incorporated with a capital stock of \$10,000. The charter members include A. Laing and J. S. Stanley, both of Montreal, and W. P. Innes, of Simcoe, Ont. La Compagnie de Pulpe de Peribonka, Roberval, Que., has applied for incorporation with a capital stock of \$30,000. The provisional directors include T. du Tremblay, and P. A. Polvin, both of Roberval, Que., and A. Robitaille, Quebec.

JOSEPH COUSINS & SONS,



ESTABLISHED 1820.

GARDEN STREET, SHEFFIELD, ENGLAND.



Manufacturers of Painters' Plumbers' and Timmens' Tools, &c., &c.

Established 1860.

Telegrams: "Hayward, Wolverhampton."

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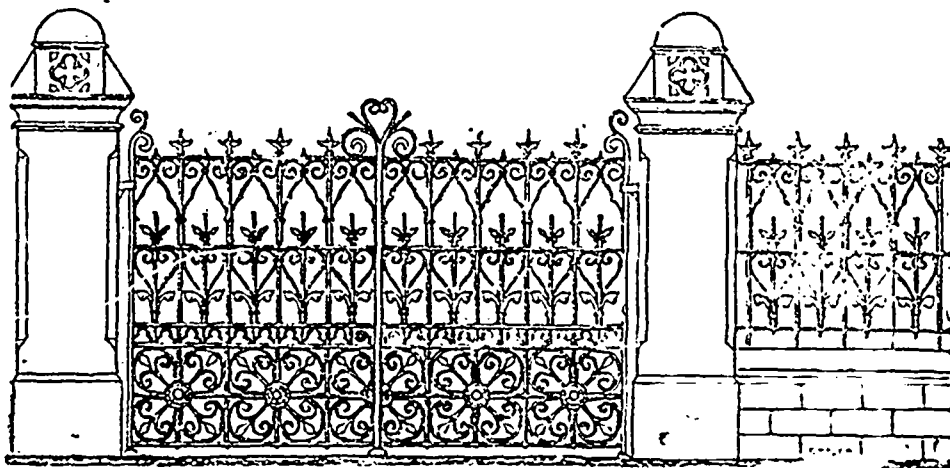
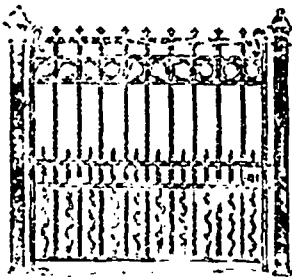
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**IRON AND WIRE FENCING,
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Gates, &c.**

Full Illustrated Catalogues Post Free on Application.



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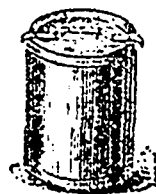
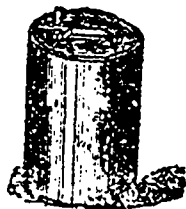
Manufacturers of

Drums, Tapers, Cisterns for Oils, Turpentine, Varnishes, etc,
Kegs for White Lead, Paints, Inks, Grease etc.
Painters' Pots, Iron Pails for Contractors, &c.

63, WIGTON ST., PORT-DUNDAS, GLASGOW, SCOT.

Telegraphic Address, "BRONCO."
TELEPHONE No. 156.

ESTABLISHED 1851.
Price List on Application.



It is reported from Bradford that mohair remains very firm, the advance from the bottom amounting to a full halfpenny. This improvement is due to the demand for lustrous goods, both at home and abroad.

Prices on the 1900 pack of Alaska pink salmon were received in the trade, the same being made by the Alaska Packers' Association on the basis of 92½c per doz. f.o.b. San Francisco. These prices based on the opening prices last year are 20c higher, but in view of the strong position of all descriptions of salmon are not considered disproportionately high.

The demand for Alabama iron in Europe has been very active for some time, but furnace men have been unable to fill it because of the lack of transportation facilities, and the accompanying disadvantage of high ocean rates. The coming of the cotton season serves to alleviate this condition, as is evidenced by the fact that the past month showed the largest export iron movement of the year, more than 30,000 tons being forwarded. Ten thousand tons were shipped through the

port of New Orleans on Saturday last alone and the outlook is for a total movement of 50,000 tons from Southern ports in October. Most of the iron is going to Continental points notably Bremen, Rotterdam and Genoa.

Mail advices from the Coast state: "Puget Sound canneries are preparing to wind up the season of 1900 in the next four or five weeks. The pack, it is believed, will be about 400,000 cases short of what it was in 1899 in this section and in all territories wherein salmon packing is done about 1,300,000 cases short of last year.

The Berlin correspondent of the "Standard" of London, gives particulars of new shipbuilding yards on the Continent. The various undertakings will undoubtedly create an extensive demand for modern tools and machinery, and British makers are already making preparations to meet the requirements. A large yard is said to be contemplated on the lower Weser, in the neighborhood of Nordenheim. The promoter is the Grand Duke of Oldenburg. A yard is also planned at Stralsund, with

a sinking capital of four million marks. The building of one at Antwerp has lately been decided upon, with the co-operation of prominent Bremen and Hamburg merchants. This is termed a Beigo-German undertaking, but the responsible management is in the hands of the Bremen-Vulcan company.

The fire loss of the United States and Canada for September, shows a total of \$9,110,300. This is materially less than the record for the same month of 1899, as will be seen from the following comparative table:

	1899.	1900.
January	\$10,718,000	\$11,755,300
February	18,460,000	15,427,000
March	11,493,000	13,349,200
April	9,213,000	25,727,000
May	9,011,000	15,759,400
June	6,714,850	21,201,000
July	11,125,400	13,609,100
August	9,703,700	10,298,250
September	12,778,800	9,110,300
Totale	\$99,608,050	\$136,316,550

P. K. Millar & Sons

Paisley Reed & Patent Heddle Works,

32 High Street, PAISLEY, Scotland.

MANUFACTURERS OF ALL KINDS OF

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For Weaving Cotton, Silk, Wincey, Jute, Linen,
Tweeds, Carpets, Blankets, Fancy
Goods, &c., &c.



Scotch OVENS.

WITH LATEST IMPROVEMENTS.

None Genuine without our Name cast on door.

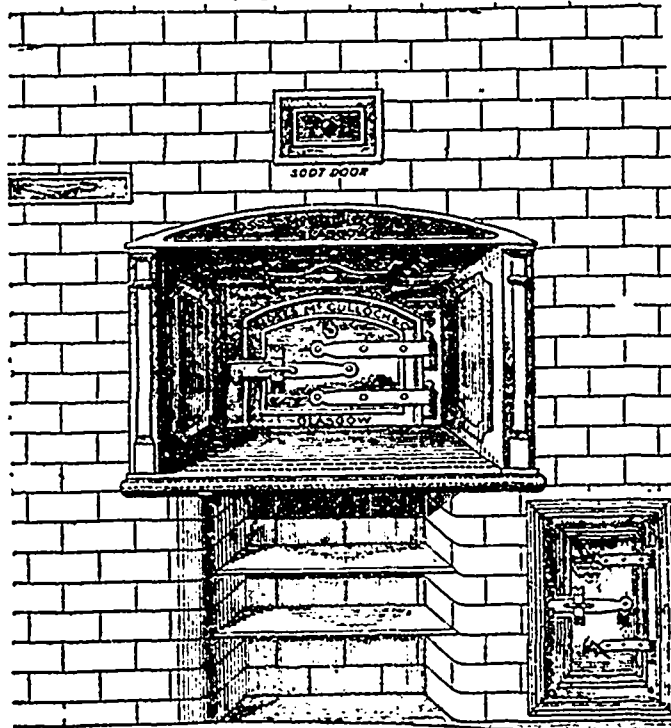
MOSES M'CUULLOCH & CO.,
CUMBERLAND FOUNDRY,

168 Gallowgate, GLASGOW, SCOTLAND.

Manufacturers of all kinds of Ironwork for Home and Export Sale.

No. 6.

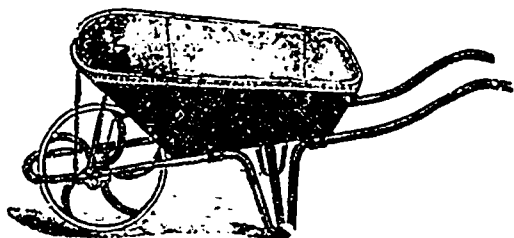
Showing Right-hand Door—21" opening.



Makers of Stable Fittings, Lamp Pillars and Brackets, Gates, Railings
and Stairs, Wall Windows and Rooflights, Prismatic Pavement Lights,
Tanks and Boilers, Rain Water Goods, Mill, Iron Doors, Columns and
Beams, and all kinds of Builders' Castings.

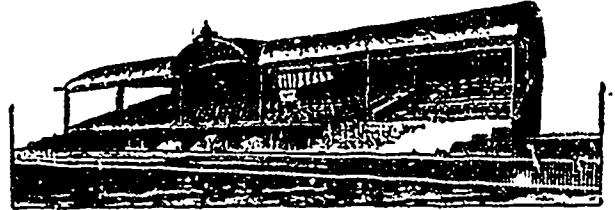
Inland Telegraphic Address: "Cochrane Ironworks, Shottleston."
Foreign Telegraphic Address: "Cochrane Ironworks, Shottleston,
Scotland."

Improved Tubular-Framed AND
Combination STEEL WHEELED BARROWS



COCHRANE & CO., Eclipse Iron Works,
(Carnytne Station), Shottleston, Glasgow, Scotland.

ROOFS

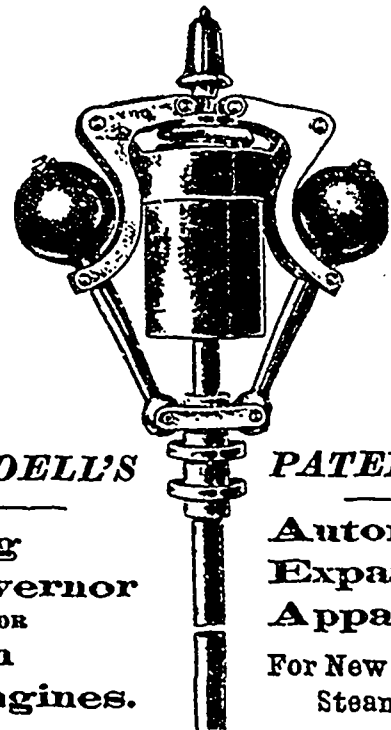


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FENCING & STRUCTURAL IRONWORK of every description for Home & Abroad.
THE GLYDE STRUCTURAL IRON CO., LTD.,
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TELEGRAMS: "CORRUATED, GLASGOW."

ISAAC STOREY & SONS,

LIMITED,

ENGINEERS, 207/4



PROELL'S

PATENT

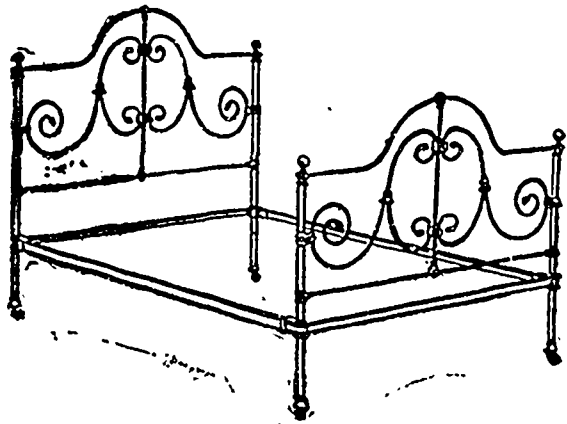
Spring
Governor
FOR
Steam
Engines.

Automatic
Expansion
Apparatus

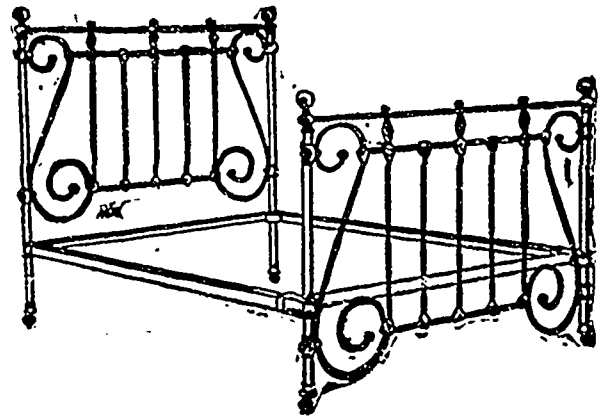
For New or Old
Steam Engines.

EMPRESS FOUNDRY
Manchester, Eng.

1900 SPRING EXHIBITION



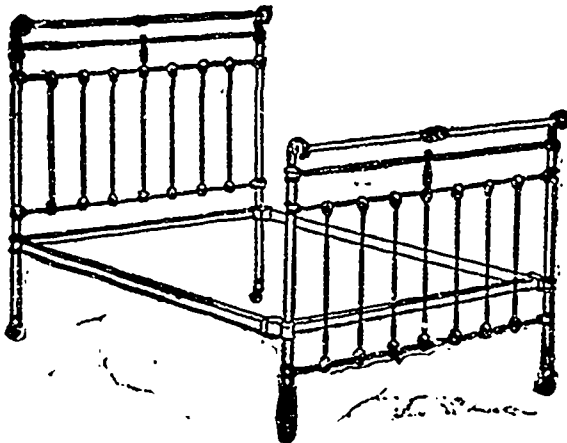
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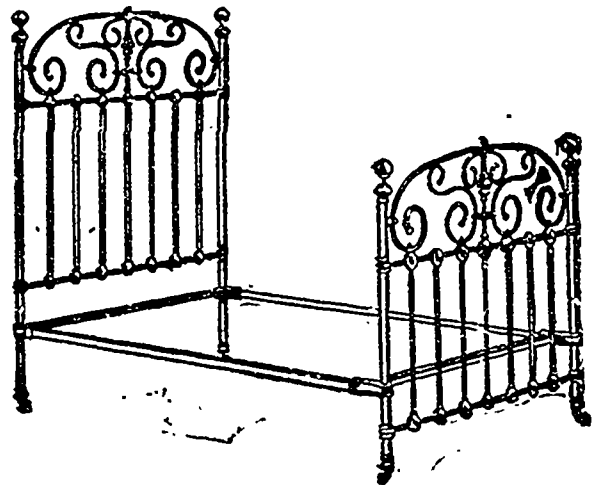
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OF

NEW & SELECT STYLES STEEL, ENAMELLED & BRASS BEDSTEADS.



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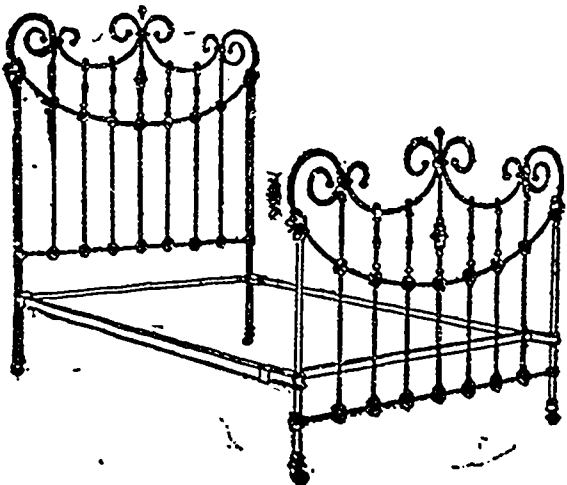


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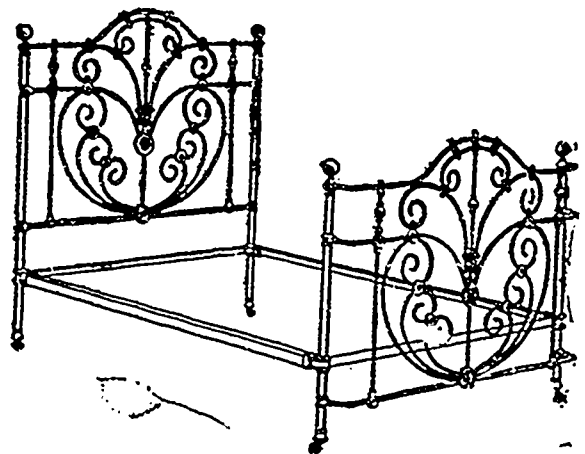
We claim to be the oldest manufacturers on the continent, and for twenty-five years the sole manufacturers in the Dominion. Recent additions to plant and premises put us in a position to meet competition from any quarter, either as regards price, type or finish.

No experiment with us. No bad fitting joints. All beds well proportioned, and enamelled and lacquered in the best manner.

We are now manufacturing an extensive line of ALL BRASS BEDS, finished in the finest possible manner, and we defy competition in this line. We carry a large stock of the most desirable patterns at all times, and can make prompt shipments. Our beds are all quick sellers and carried by the most progressive dealers. Inspection solicited.



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Manufacturers, MONTREAL, CANADA

WILLIAM FIRTH, LTD., LEEDS, ENGLAND.



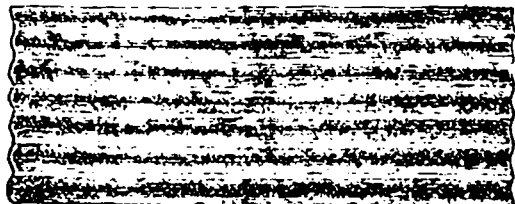
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9lbs. to 95lbs. per yard.

New Perfects, New Slightly Defectives & Second-hand,

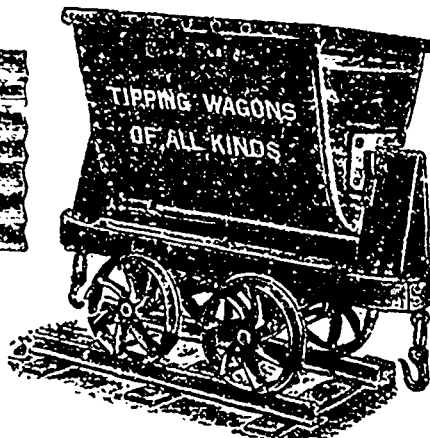
Fishplates, Bolts and Nuts, Chairs, Spikes, etc.

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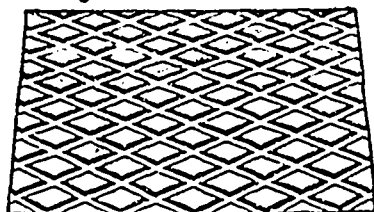


LARGE STOCK of

IRON & STEEL BARS,
ANGLES, TEES,
CHANNELS, JOISTS, etc.



CHEQUERED FLOOR PLATES.



FLOOR PLATES.

CART ROAD PLATES

Chain, Bolts & Nuts, etc.

IRON OR STEEL WHEELING PLATES.

Telegrams:—"HUNTER, WALLSEND."

Telephones:—Post Office, 411; National, 2 Wallsend, and 2027.

C. S. SWAN & HUNTER, LIMITED,

SHIPBUILDERS AND REPAIRERS,

BUILDERS OF FLOATING DOCKS, CAISSONS, ETC.,

WALLSEND, NEWCASTLE-ON-TYNE, ENGLAND.

London Office: 150 LEADENHALL ST., E.C.

The censorship on telegrams to and from South Africa has been relaxed to the extent that telegrams may be sent at the senders risk to and from Cape Colony and Natal, in any of the authorized commercial code, a copy of which has been deposited at Aden. The name of the code must be attached to the telegram.

At a meeting of the Harbor Board a letter was read from Brown Bros. of Buffalo N.Y. in which it was stated that four steamers of the North Western Steamship company would be ready for navigation next season, and that they proposed carrying grain going between the lake ports and Europe without a change of bottom.

The repeat-order business in woolen and worsted dress goods for fall has been on a limited scale in most descriptions. The best business has again been done in the heavy skirting fabrics in plaid backs, and plain goods of the cheviot and pebble cheviot orders and in soleils and venetians in the lighter weights. The former are in demand by both the jobbing and manufacturing trades the latter being chief buyers, while the jobbing trade have been

the principal purchasers of the soleils and venetians. Prices of these goods are firm but that is more than can be said of the majority of other lines, particularly of fancy worsteds. There is considerable pressure being exercised to clean up whatever reasonable fancies remain on hand and the market shows decided irregularity in prices.

The 1,500 striking employees of the four rolling mills of the Susquehanna Iron & Steel Company at Columbia, decided to accept the 25 per cent. cut in wages and go to work this week, provided the company will pay the puddlers' helpers three cents a heat in addition to the \$3 rate. The strike has been in effect for two weeks. The company has not yet given an answer to the men's proposition.

Advices from Anticosti indicate that the French Chocolate King is going to turn his island possession to practical and paying uses. M. Menier is now having a large lobster factory erected at Fox Bay, from which place he succeeded in evicting the Canadian settlers, who were engaged in the lobster industry. M. Menier is now negotiating with Mr. Duggett, a prominent canner of Nova Scotia, for the management of the industry.

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England.

The Ontario Fishery Department has just confiscated five barrels of salted white-fish from Warton people. The fish were all under the size, which, by the law is two pounds. The firms had caught the fish in Georgian Bay, but contended they had got around the law by salting the small fish in barrels. The Fishery Department thought otherwise, and so made the seizure.

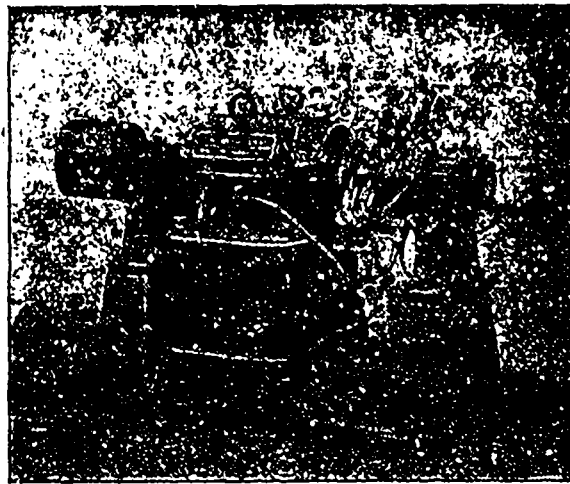
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1905

LOBNITZ & CO., LIMITED,

ADDRESS LETTERS TO—

LOBNITZ & CO., LTD., RENFREW, SCOTLAND.

MINING NOTES.

A wagon road is being built to the Yankee Girl, in the Boundary.

It is expected that the Greenwood smelter will be finished about the middle of December.

The good showing on the Earthquake, in the Boundary, is reported to increase as work proceeds.

Preparations are being made to develop on an extensive scale the Cariboo mine, Camp McKinney.

A wagon road will be built from the Hewett mine to Silvertown, a distance of about four miles.

A very good strike has been made on the Cinnabar property near Savonas. The test showed 50 per cent.

About 3,000 tons of ore have been shipped by wagon from the City of Paris mine to the Granby smelter.

It is expected that shipments from the B.C. mine in Summit camp will amount to 2,000 tons for the month of September.

The Vancouver mine, near Silvertown, has shipped 100 tons of ore to the smelter this year, the ore being very high grade.

The output of Rossland camp last week was : Le Roi, 4,781 ; Centre Star, 2,372 ; Le Roi No. 2, 270 ; Giant, 61 ; total, 7,484 tons.

The approximate value of the ore shipped from Slocan lake properties since January 1, 1900 is a quarter of a million dollars.

A large force of men are now at work opening up several iron properties on Sarita, Toquart and Copper island on the west coast.

Sandon ore shipments last week were : Payne, 120 ; Last Chance, 110 ; Ruth, 59 ; Slocan Star, 60. The Whitewater shipped 127½ tons.

A rich find has been made on the Homestake in the Trail Creek division. The ledge is four feet wide, the ore averaging \$28 to the ton.

The vein of the Silver King near Peachland, Okanagan is from 5 to 25 feet wide, values running from \$5 to \$35. The ore is gold and copper.

The discoveries of large bodies of iron ore on Big Sand Creek, East Kootenay, is reported, the ore carrying 60 per cent iron and \$4 gold. The vein has been traced for four miles.

The Rossland Miner reports that on the Old Gold property a strike has been made of two feet of solid ore carrying values of \$100 a ton and three feet of concentrating ore.

The Highland Boy Mining Co. are erecting a concentrator of 150 tons daily capacity, about one mile from Ainsworth for the reduction of the ores from their group of mines.

Notice to Inventors and Capitalists.

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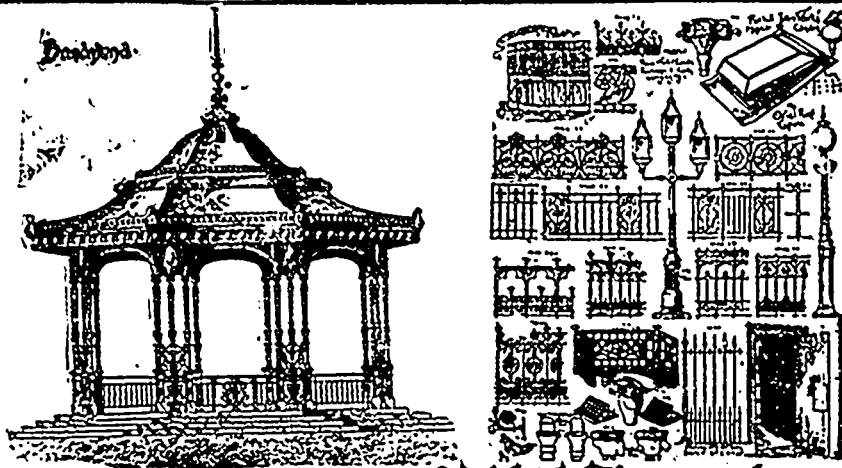
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GLASGOW . . . SCOTLAND

MINING NOTES.

It is said that work is shortly to be resumed on the Rathmullen, in Summit camp.

The Langley Bros. have struck ore in the lower tunnel of the Blue Grouse. The tunnel is now in 200 feet.

Thus far about 3,000 tons of ore have been shipped by wagon from the City of Paris mine to the Granby smelter. Some 25 men are employed at the property.

Having found the trend of the ore body in the small shaft in the War Eagle, work has been resumed on the east drift at the 100 foot level to strike the ore body.

From the Earthquake this week a continuation and considerable increase of the previous good showing is reported, and the force is now at work drifting both ways on the ledge at the 75 foot level.

News of a fine strike comes from the Snowshoe, where the entire face of the railroad tunnel, so called because run on a lead uncovered by graders, is in a beautiful, fine grained sulphide ore that appears the best and richest yet found in the mine.

Hammond Reef directors met but as the report of Mr. Parker, the expert engaged to examine the property, had not been received, nothing but matters of internal economy were considered. Another meeting will be held as soon as Mr. Parker's report is presented. The stock was stronger and sold up to 4.

On Saturday the directors of the Cariboo McKinney Gold Mining Company met and declared a dividend of 1 1/2 cents a share for the quarter ending Sept. 30. The dividend will be paid on Oct. 31 to shareholders of record of Sept. 30. A much larger dividend could have declared out of the surplus funds on hand, but the management is pursuing the policy of devoting as large a share as possible of its profits to development and equipment purposes.

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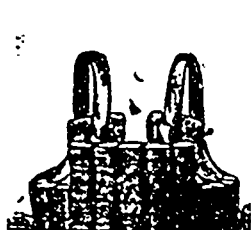
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Makers by Appointment to Government Contractors,



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Makers by Appointment to Ship-builders and the Principal Shipping Firms in Great Britain, the Colonies and the Continent.

WHITEFIELD LIFEBOUY WORKS,
Fairley Street, Govan, Glasgow, Scot.

MINING NOTES.

A private letter received in Toronto says that the new mill at the Republic mine will not be running for at least six weeks.

Two thousand five hundred shares of Tamarac sold at 6. The English capitalists who recently took over the mine have reconstructed the company.

The Rossland Miner says: At the North Star mine the ore is going out steadily. Not a day passed during the two months but 100 tons of ore having been shipped.

The local managers of the Republic Mining Company received a telegram from the mine stating that the last piece of machinery had arrived, and that the mill would be in operation before the end of the week.

At special meeting of the Golden Star Company which will be held in the McKinnon building at noon on the 17th inst. a statement of the affairs of the company will be submitted, and the shareholders will be asked to consider and determine the future policy of the company, including the question of reorganization or selling in whole or in part the assets and dividing any surplus among the shareholders.

About 300 feet from the side line of the Saw Tooth a shaft was sunk to a depth of 52 feet and a crosscut run south from here for 65 feet. A second shaft was sunk near the Waterloo to a depth of 54 feet and a crosscut 40 feet north was run without encountering ore. About 200 feet south of this working a third shaft was sunk on a vein of bluish white quartz carrying some sulphides. This shaft is 60 feet deep, and the vein on which it was sunk has been traced by open cuts for at least 400 feet in a westerly direction.

The Iron Mask one of the best claims on Coal hill, says the Sentinel, has passed into the hands of the B. C. Exploring Syndicate, of London, Eng., the sale having been completed at a figure satisfactory to the eastern sellers. The property comprises the Iron Mask, Copper Queen, Sunrise, and Bonnie Jean fraction, with a total of nearly 140 acres. The property, which is well known to mining men here, is situated 5 1-2 miles southwest of the Kamloops, and three miles from the C.P.R. track. Several shipments of ore have been made from the property at different times. It is the intention of the company to put in at once an engine to work a hoist and pumping machinery.

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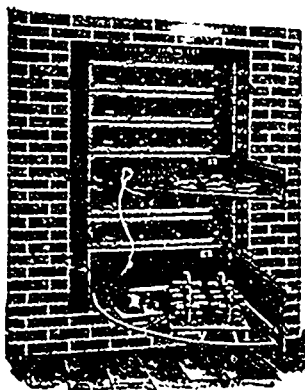
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MINING NOTES.

The Nettie L., in the Lardeau district, is expected to ship at least 500 tons of high ore this winter, of which a hundred tons are now sorted and sacked.

On the Evening Star sinking from the bottom of the winze on the 200-foot level, commenced last week. The intention is to extend the winze down to the 300-foot level.

The 10-drill duplex cross compound condensing Rand compressor recently received at the Knob Hill mine was installed last week. It will be started at work in the course of a few days.

Messrs. Gainer, Desjardins and Appicot, who have been doing work on the Triune Fraction for the last couple of weeks, have discovered the lead, samples of which will be assayed shortly.

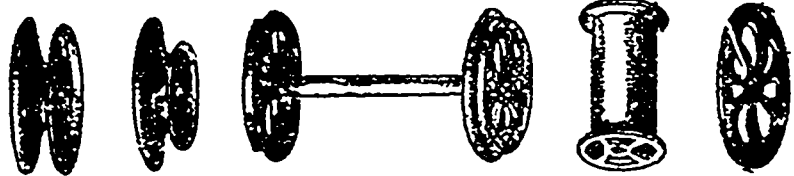
Prof. F. R. Blochberger, of Roseland, who has miners at work on the property of the Skylark Gold Mining Company, in the Lardeau, has received three assay returns from a general sample across the vein, which gave nearly \$30 in all values from a four and a half foot ledge.

Provincial Mineralogist Robertson, who has just returned to Victoria, B. C. from Porcupine, reports rich finds of gold in that district, and predicts a big rush there. Already there are a number of men in that district. Fifty-five claims were staked on Bear and Clear Creeks in one day. Good reports also come from the headwaters of Stewart's River, where 25 cents a pan is being taken out.

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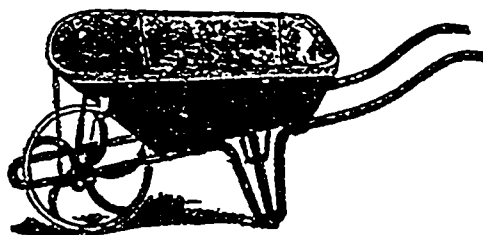
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SCOTLAND.**

The Evening Star has levied an assessment of $\frac{1}{2}$ cent per share, payable on November 27th.

An American syndicate has purchased location G. 340, situated between Grant and Sairey Gamp lakes, near Wabigoon.

From the present earnings of the Crow's Nest Coal Company it is stated the company will be in a position to pay a dividend in January next.

The Northern Belle Company has let a contract for 200 feet of development work on their property.

The Roseland Bonanza Gold Mining & Milling Co., Ltd., with a capital of \$50,000 has been formed and has purchased the Bonanza No. 3 claim on St. Thomas mountain. Some work has already been done on this property exposing an ore body averaging two feet in width and giving returns of \$18 a ton gold with two of silver.

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The output from the Rossland camp has been diminishing in so far as the Le Roi No. 2 has stopped shipping altogether for the present and will not resume until the plant at the smelter and at the LeRoi is in a sufficient state of preparedness to allow of resumption. It is probable that one or two irregular shipments may be made from time to time, but the output from the Le Roi No. 2 has practically ceased for the present. The Rossland Great Western should ship this week. It was the intention to ship last week, but the smelter has become more congested than ever. Before all the arrangements have been completed it is probable that the year will have waned away. Shipments for the rest of the year will not, therefore, materially exceed the weekly output for the last seven days; as to the Columbia-Kootenay, there will be nothing done upon it for the coming winter as far as shipping is concerned. Although it was the intention of the management to have done something this season, yet there has been so much work in connection with the other mines that there has not been much time to attend to the Columbia-Kootenay, which, indeed, for the treatment of its ores depends on the capacity of the Northport Smelter. This latter has now three furnaces in full blast, but is restricted by the capacity of its sampling mill through which all ore must go before it can be placed upon the roast heaps. Now the Le Roi are building a sampling mill on the head works of the main shaft, which when completed will allow the mill at Northport to deal with customs ores. Even when this is completed the smelter has to be put in some subsidiary mechanical roasters and another briquetting machine, so that the first matte from the smelter can be treat-

ed for a higher refinement before shipping to the refineries east. Thus it will be seen that the shipments from the subsidiary B.A.C., properties depends wholly on the completion of a quantity of inter-dependable plants at and connected with the smelter.

The following are the shipments for the week and year:

	Week.	Year.
Le Roi.....	4,122	117,450
Centre Star.....	2,477	17,480
War Eagle.....		10,608
Le Roi No. 2.....	63	2,157
Iron Mask.....		1,435
I.X.L.....	25	395
Evening Star.....		351
Monte-Cristo.....		273
Giant.....	50	269
Iron Colt.....		80
Spitzee.....		20
Total.....	6,737	150,489

Joseph Leiter.—Superintendent A. G. White reports that he has uncovered a strong lead on the Joseph Leiter claim on Sophie mountain. A trench of 50 feet was made in the old wash gravel, and at a depth of six feet a lead was uncovered that is 30 feet in width. It is a continuation of the Copper Wonder lead. The find was made close to the north line of the Copper Wonder.

Evening Star.—The workings on the third level of the Evening Star resulted in the finding of the ledge there, and it has been developed to a considerable extent. The result has been so satisfactory that the management has decided to deepen the winze another 100 feet.

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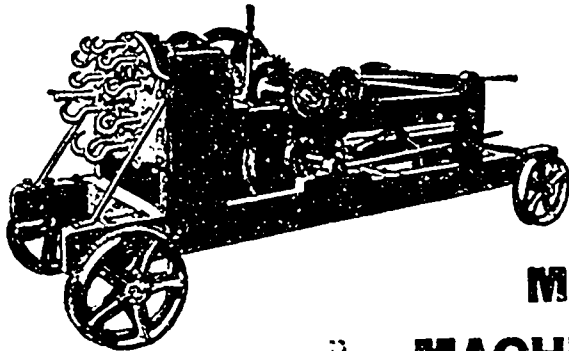
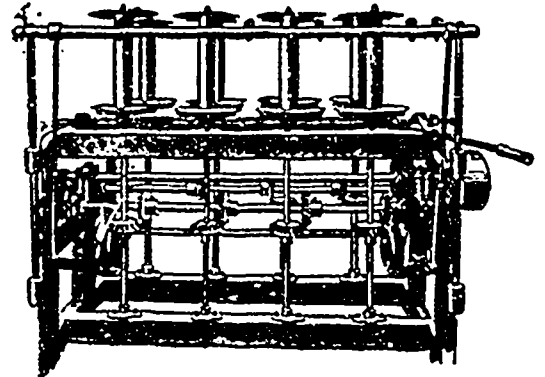
Velvet.—The Velvet has 70 men at work.

The B. C. Exploring Syndicate of London has acquired the Iron Mask property, near Kamloops, consisting of the Iron Mask, Copper Queen, Sunrise and Bonnie Jean fraction, a total of nearly 140 acres.

I.X.L.—Stopping between No. 2 and No. 3 level is in progress, and another car-load is about ready to ship. In the meanwhile work continues on the lower crosscut tunnel, which is now in for a distance of 135 feet.

Telegrams: "Incraso, Liverpool."

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SHALLOW & DEEP BASINS. DOG TROUGHS.
MANURE BOWLS. WROUGHT IRON RES. UMBRELLA STANDS

MINING NOTES.

The vein which was recently encountered in the long tunnel of the Pearl claim one of the Kootenay Ferry creek Company's properties, is showing up remarkably well.

The Bondholder is being worked by A. Teeter and others under lease. There is a large body of high grade ore in sight, and it is expected that shipments will be continued during the winter.

The Arlington and Chapleau are each working large forces of men in the mines and above ground. The Arlington Company has bonded several adjoining claims in the direction of the Enterprise. This makes a large group of good properties and gives it much prospected ground.

East of the Waterloo is situated the Fontenoy, owned by the Fontenoy Gold Mining and Milling Co., of Victoria. Here an incline shaft has been sunk on the foot wall for 120 feet. The drifts are in 45 feet east and 110 feet west. A second shaft 40 feet from the west line was sunk 65 feet with a 15 foot crosscut at the bottom, and to the southeast another shaft

50 feet deep with a 35 foot drift. Several open cuts were also made on the vein. The company have installed a 30 horse power locomotive boiler, a 6 and 8 Jenckes hoist and a No. 7 Cameron pump.

Work in the Slovan district is progressing well, and we expect a busy camp this fall. Quite a number of mines have reached the shipping stage. The Two Friends has a force at work taking out ore, and there are 20 tons at the wharf and 40 tons more on the dump ready for shipment.

The British Columbia Copper Company have decided to sink the sink the main shaft of their Mother Lode mine, near Greenwood, to the 500 foot level. The present depth is 325 feet. This decision is of importance, since there is no shaft in the Boundry district at present down to the 500 foot level. The nearest to that depth is the No. 2 shaft at the Old Ironsides mine, in Greenwood camp. This new development at the Mother Lode will be pushed on with so as to get the work as far forward as possible before the end of the current year, by which time new

and larger plant will have been installed at the mine and stoping ore to the supply the company's smelter, now approaching completion, have been undertaken on a comparatively large scale.

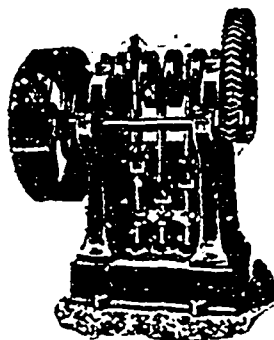
An association of the Canadian shareholders of Alice A. was organized. W. H. Lamport is chairman, and B. F. Maguire of Toronto secretary. Mr. Lamport will be sent to Duluth to look into the affairs of the company.

Mr. S. W. Hall, manager of the Iron Mask, reports that on the 275-foot level there is a good showing in the east end of the mine. Having located the first vein on the 275-foot level a cross-cut is being run to the south for the second vein. It will take about ten days to reach the second vein. The crosscut is in 12 feet past the first vein. The first vein has been met on the east side of the 500-foot level in the west end of the mine. Matters are assuming a promising aspect, and the next ten or twelve days will determine the time when shipments will be resumed.

On Admiralty List. Telegrams "Fossil, Glasgow"

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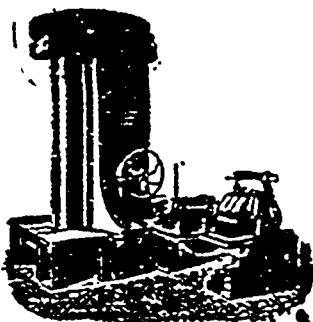
Fossil Engine Works, - GLASGOW, SCOT.



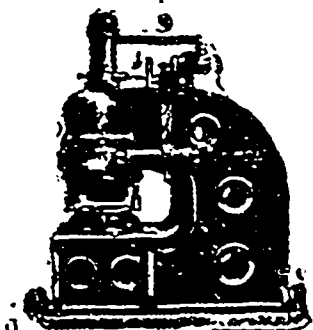
HYDRAULIC PRESSURE BELT-DRIVEN PUMPS.



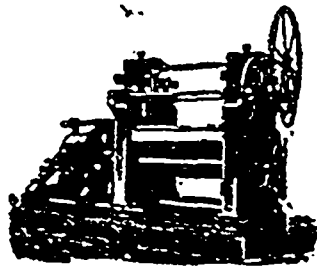
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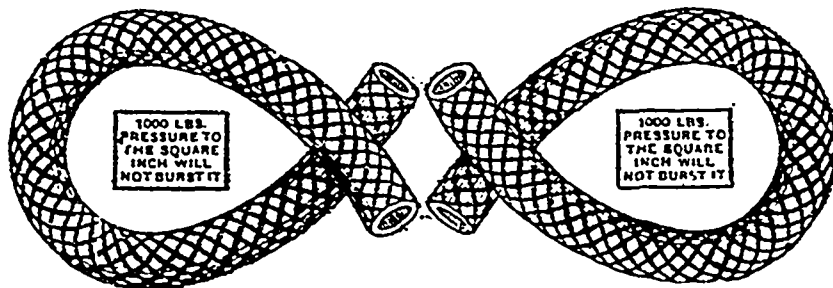
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9 York Street, Glasgow, Scotland.

Samples and Prices Submitted on Application.

MINING NOTES.

The Nova Scotia Steel Company, of New Glasgow, N. S., has acquired the "Old Sydney mines," at Sydney, C. B. which were for so many years the property of the General Mining Association, Limited, of London, England.

Last week one of the biggest strikes ever made in the district says the Topic, was encountered in the C. J. Gold ground located on the Duncan slope, just over the head of the north fork of Lardeau creek. For some time past four men have been driving a tunnel along the hanging wall of a vein discovered this spring on the above property, and recently at the distance of 80 feet it was decided that the tunnel had penetrated far enough, and the work of crosscutting commenced, and after driving for about 30 feet the chute on the footwall was intersected and resulted in exposing first four feet of fine concentrating ore and finally two feet of clean galena, plentifully charged with grey copper.

An important strike has been made between Camp McKinney and the West Fork of the Kettle River, about fifteen miles east of the former in the foothills of the Bald Mountain, which will undoubtedly lead to the thorough prospecting of the mineral belt between what is known as Fish Lake and Beaverton, on the West Fork of the Kettle River. Some time

since Messrs. McCenzie, Sullivan and Sanborn located three claims, the Rosie, Rubio and Catchinka, about three miles west of the Fish Lake, owing to finding some croppings of copper pyrites on the first named claim, which on the examination, proved to be bornite and calcopyrite, carrying some 18 per cent copper and 1-2 oz. in gold.

The Fort Steele Topic reports a big strike of galena and grey copper on the Metropolitan group at the head of the north fork of the Lardeau, which is owned by Messrs. Carter Thompson and others. Two large veins and several stringers are exposed for distances varying from 100 to 400 feet, and ranging from two inches to three feet in thickness, and all containing ore of remarkable richness. Assayer Shannon who tested several of the samples brought down, says that some of them are almost solid grey copper, and range in value from 300 to 1,000 ounces in silver. The lead first encountered is the largest, and is from six inches to three feet in width of solid ore exposed on the surface for about 100 feet. Then parallel to it and some distance away is another lead lying in a contact of lime and schist, ranging from 3 to 18 inches in width, also of clean galena and grey copper, and between these two are stringers lying in the lime, in width from a two-inch streak to a respectable seam of eight inches.

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MINING NOTES.

The Cariboo-McKinney is installing a new compressor, and has let a contract for the sinking of a new shaft to a depth of 500 feet. There are now 500 feet of ore without a break in the lower level of the old workings.

During last month on the Ymir mine, Ymir camp, 4,650 tons of ore were milled, producing 208 tons of concentrates and 2,340 oz. of bullion; 278 tons of concentrates were shipped. The profits for the month amounted to \$25,550.

A strike, which will likely prove of great value, has been made on the Rico, Sandon camp. It shows three inches of clean galena of the same character as that shipped from this mine two years ago, which was the highest grade galena ore ever mined in America.

The American syndicate which has leased iron properties at Sarita, on Copper Island, and at Torquart, on the west coast of Vancouver Island, has already set a large force of men to work, expecting to spend at least \$75,000 in exploration and development works before actual shipments begin.

Directors of the Hazel Mining & Development Company of Whitewater, B. C., met in Toronto to receive the report of Mining Engineer W. H. Jeffery. Mr. H. H. Williams has just returned from a visit to the mine. Assays of samples that he brought with him show satisfactory percentages of silver and lead.

The Van Anda Mining Company has gone into liquidation, and the debenture holders have taken charge of the properties. The Van Anda Company is capitalized at \$5,000,000. Recently, in order to secure funds to continue the work, debentures to the amount of \$500,000 were sold to purchasers of the same securing a first lien on the properties, which consist of a smelter and a number of mining claims, including the Cornell and Copper Queen mines.

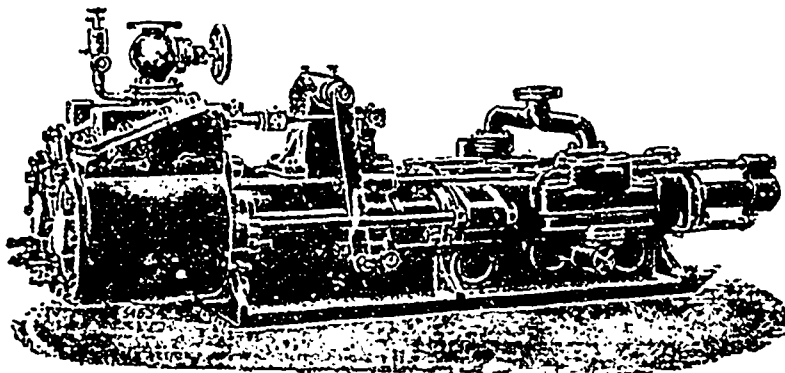
Advices from Greenwood state that in Wellington camp, beside the Winnipeg, Brandon and Golden Crown, and Athelstan, which are all on the shipping list, development is also in progress on other claims. On the Evening Star some splendid ore is also being taken out in the course of sinking the main shaft, which is now down 18 feet. Recently Andrew Laidlaw who has this and the Selby claim under bond for \$45,000 sampled some of the ore with the following highly satisfactory results:—Copper, 9 per cent.; gold, \$7; and silver, \$1.20. Figuring copper on a basis of 15 cents, it gives a total of \$29.20 to the ton.

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Any of our subscribers who write to parties referred to in our Contract Column, will oblige us by naming the **TRADE REVIEW** as the source of their information.

RAILWAYS, BRIDGES, AND CANALS.

The time for receiving tenders for construction of the new lock for the Lachine canal has been extended to October 16th.

D. Fettinger, manager, Intercolonial Railway invites tenders up to Saturday 13th inst, for erection of station house at Westville, N.S.

Nothing is being done at the McGregor Varcoe line at present, but the track-laying gangs will move there as soon as other branches have been completed.

The Lac du Bonnet line is being pushed on, but the engineering difficulties are numerous and the work difficult. About 14 or 15 miles have been completed from Molson.

Advices from Hamilton, Ont., say that the work of ballasting the cross town line of the Toronto, Hamilton and Buffalo road to the factory district, will be completed this week and open for business in ten days.

At a meeting of the directors of the South Shore company in Montreal, it was announced that plans had been perfected for extending the lines from Yamashet to Levis, where connections will be made with the trunk lines.

Work on the Pipestone extension still continues the tracklaying gang being now one mile beyond Carlyle, which leaves about six or seven miles still to be laid to bring the extension to its 1900 terminus Arcola.

The town council and board of Trade of Rat Portage, Ont., are reported to be endeavoring to arrange for the erection of a large hotel at that town with C.P.R. assistance. They will also arrange for an exhibit of ores from that region to be sent to the Pan-American exposition to be held in Buffalo next year.

A gang of men is at work clearing up the ruins of the McKay Milling company's mill at Hull. Another large gang is engaged on the site of the O. E. railway company's power house, getting the site in shape for the new structure. Considerable blasting is being done to make the necessary excavations for the Ottawa Electric company's new power house.

Mr. John Ross contractor for the Great Northern Railway, stated that the work on the road was all but completed. The whole road is now ready for traffic, and is only waiting for completion of the bridge at Hawkesbury. This bridge will be finished by the 15th inst. Six spans have been swung and the seventh will be in a few days. It is expected that by the 20th of the month freight will be carried across.

Mr. W. R. Sinks, the engineer employed by Messrs. Barnett & Record, engineers and architects for the Connors syndicate, stated that the whole of the foundation work on the site of the new Connors elevator and warehouse on Windmill Point pier will be done before the close of the autumn months, and that the syndicate will be able to continue the work during the winter, with every prospect of the elevator being ready for next season's grain traffic.

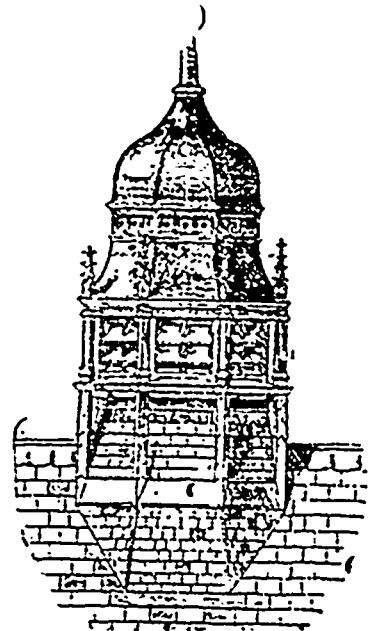
From reliable sources it is learned that negotiations between the Montreal Street Railway Company and the Grand Trunk Railroad have reached such a stage that the crossing of the surface cars over the Victoria Jubilee bridge to St. Lambert is now practically assured. It is also understood that as soon as the arrangements now in progress are completed, work will be begun on the extension, and it is expected to rush it through with a view of having the line in operation before the cold weather sets in.

The Northern Elevator Company will place its new grain drying apparatus in its elevator at West Lynne. The machinery comes from Milwaukee and it will represent an expenditure of more than \$5,000 to have it installed. The plant will have a capacity of 3,000 bushels of wheat in 24 hours. It is expected the dryer will be in operation in about six weeks, and will likely be kept running day and night during the winter. A brick building will require to be erected on the elevator property to accommodate the new machinery.

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MUNICIPAL & OTHER DEBENTURES.

Tenders will be asked by the corporation of Penetanguishene for \$5,000 debentures, 4 per cent payable in 20 years.

By a large majority the by-law was carried by the ratepayers of Cornwall authorizing the borrowing of \$19,000 on water-works account.

The Town Council of Maisonneuve has passed by-laws granting bonuses of \$10,000 each to the Slaters and to the Royal Shoe Company to locate in that suburb. The

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PROMPT QUOTATIONS PER RETURN.

by-laws will be submitted for ratification to the ratepayers.

Tenders for \$2,500 village debentures are invited by S. H. Guest, village clerk of Kemptville, Ont., up to 12th inst.

At Sturgeon Falls, Ont., Mr. G. F. Sandfield, town clerk invites bids up to October 20th for purchase of \$20,000 waterworks debentures and \$10,000 school debentures bearing interest at 5 per cent payable in 30 years.

The council of Westmount have made an offer of \$2,000 per annum for ten years to the Montreal Street Railway company in consideration of the construction and operation of a line of railway along the mountain.

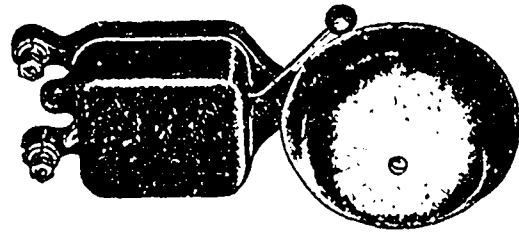
A by-law to authorize the loan of \$20,000 to the Knight Bros. Co., Burk's Falls, Ont., to aid them in enlarging their present planing factory and saw mill, and to put in up-to-date machinery, etc., and to exempt the factory from municipal taxation, was carried.

W. King of Providence, R. I., having secured an option for 30 days at \$75,000 on the Kingston, Ont., Locomotive works is asking that city exemption from taxation, free water and a guarantee of interest on \$100,000 upon which his country will provide a working capital of half a million.

Four by-laws were submitted for the vote of the freeholders of Thorold; one for the purchase of one thousand cords of stone for macadam purposes, and three for exemption from taxation for ten years of the Rehder Plaiting and Mfg Co., the Artistic Imperial Wood Turning Co., and the Paterson Pulp Wood Co. All the by-laws carried by good majorities, excepting the Pulp Wood Co. one, which was defeated by a small majority.

The Toronto Committee on Works have decided to submit a by-law to the ratepayers in January next to provide \$100,000 for a 15,000,000 gallon pumping engine for the main pumping station, \$40,000 for a 5,000,000 gallon engine and \$13,480 for water mains. The city engineer will be requested to recommend that the track allowance on Dundas street to be paved with brick and that a macadam pavement be constructed on Brock avenue from Dundas to 1,000 feet south of Bloor.

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CANADA.

The ratepayers of Liverpool, N.S. at a public meeting held on the 1st inst., authorized the town council to erect a town hall at a cost not to exceed \$14,000. The council will probably ask architects to compete for the plans and specifications. The town council will issue, Nov. 1st next, \$9,500 of water and electric light debentures.

WATERWORKS, SEWERS, PAVING, LIGHTING, ETC.

The Department of Railways and Canals will receive tenders up to sixteen o'clock on Saturday next, the 13th October for the supply and delivery of 25,000 barrels or any portion thereof, of Portland cement, on Lachine canal at Montreal.

Because of a special clause in the town charter requiring one-third of all the proprietors to vote in favor of a by-law, the propositions submitted to the ratepayers of St Lambert to purchase the waterworks, the macadamizing of streets and the extension of the water and drainage systems in that municipality were defeated, though the vote in each instance except the extension of the water and drainage systems, had a majority.

The Toronto City Engineer recommends a scoria pavement on the track allowance on Parliament street from Queen to Winchester, at the general expense the cost being about \$18,000. The Engineer sees no objection to lowering Indian road three feet at the intersection of Fermainagh ave where the York County Loan Co., are operating. The following works are recommended: Dunbar road, cement concrete sidewalk, west side, Elm ave to South drive; cost \$1,066. Wellington place, wood curbing; cost \$425. Carlton street, cement sidewalks, north side, Parliament to Sackville; cost \$888. Gerrard street, concrete sidewalk, south side, Sherbourne to Seaton; cost \$632. Leopold street, asphalt pavement; cost \$5,090. Piper street, brick pavement; cost \$6,820. Esther street, wood curbing; cost \$515. Front street, cement sidewalk, south side Church to West Market street, cost \$1,373.

Tenders were opened by the Toronto Board of Control and contracts awarded as follows:—Cedar block pavement on Tecumseh street, from Queen street to Walnut ave, \$4,475, to W. F. Grant & Co; Margueretta street from Dundas to Bloor \$5,930, Dominion Paving and Contracting Co; macadam roadway, Hickson ave, from St Clarens ave, 294 feet east, \$628, to John McGuiro; cobble pavement, Farquhar's lane, Front to Esplanade streets, \$748, City Engineer. Concrete sidewalks — Cecil street, north side, Huron street to Spadina ave, 62 cents to City Engineer. To the Harvard Paving Co.—St George street, west side, Lowther to Bernard avenues, at 72 cents; Bathurst street east side, McCaul street to Spadina ave at 72 cents; Admiral road both sides, Lowther to Bernard ave., at 61 cents; Prince Arthur ave, both sides, Bedford road to 167 feet east of St George street, at 60 cents. To the Construction and Paving Co.—Cowan ave, from King street to 150 feet south of Queen, at 65 cents; Jameson av, east side, King to Queen, at 67 cents. To Grant & Co.—Bathurst street, east side, King to Adelaide streets, at \$1.44; D'Arcy street, north side, McCaul street to Spadina ave at \$1.34; Sherbourne street, east side, Howard street to the bridge at 57 cents.

SCHOOLS, CHURCHES AND PUBLIC BUILDINGS.

It is reported that the provincial reformatory will be built near Jericho on English Bay, B.C.

The Department of Public Works invites tenders up to October 15th for the erection of post office at Paris, Ont.

Plans of the new post office to be built at Paris, Ont., by the Dominion Government are on view at the Mayor's office. Tenders close October 15.

W. P. Whitton, architect, has prepared plans for a building for outdoor patients in connection with the General Hospital at Hamilton, to cost \$5,250. The plans have been accepted by the Hospital Board and tenders will be invited immediately.

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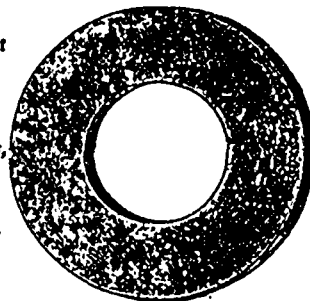
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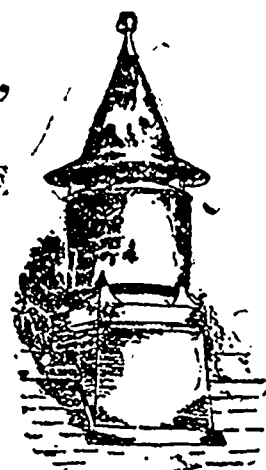
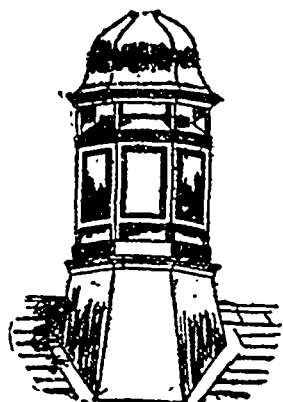
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Separate or bulk tenders are asked by Otis Shurtleff secretary treasurer of the Coaticook School Commissioners, up to October 31st for supply of materials and erection of new Academy building. Plans by Hutchison and Wood, architects, of Montreal.

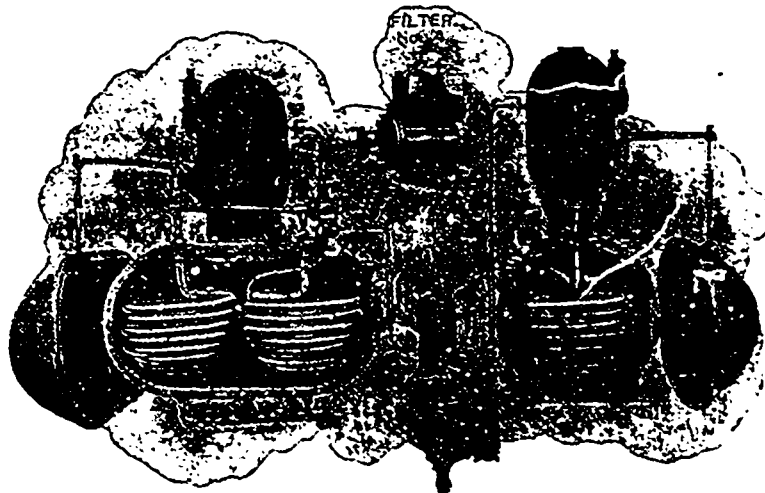
MISCELLANEOUS.

Next spring the Huntingdon council will likely take steps to have the electric light plant operated by water power.

The Dominion Coal Company will spend about \$1,000,000 next year in increasing their output of coal at Glace Bay.

In this city building permits have been issued as follows: Catholic School Commissioners, school on Fullum street, cost \$30,000 (Ferrault & Lesage, architects); L. Beaudry, 2 two story houses, 233-35-37-39 Knox street, cost \$1,500 each; F. Lavigne, three story brick house, 757 St. Catharine street, cost \$2,150 (R. Montbriant, architect); P. Deslanier, three story brick house, Sherbrooke street, cost \$5,800 (R. Montbriant architect); Royal Electric Co., alterations to two brick buildings 9-15 Queen street, cost \$2,900; L. A. Beniard, alterations to two story brick building, 1873 St. Catherine street, cost \$3,600 (A. St. Louis, architect); T. Goulet, three story brick, Panet street, cost \$5,500 (Chas. A. Reeves, architect); Dominion Cotton Mills company, dyo house, 550 Notre Dame street, cost \$5,500, also a cotton store, \$550 Notre Dame street, cost \$20,000 (T. Pringle & Son architects.)

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Total Surplus for Security of Policy-holders.....	\$65,619.01
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THE Canadian Trade Review

MONTREAL, FRIDAY, OCT. 12, 1900

OUR IRON AND STEEL INDUSTRIES.

That there is still a marked opening for iron and steel and their products on this continent in spite of the present heavy production is shown by the interest taken by American and Canadian capitalists in the expansion of the iron and steel industries of Nova Scotia. We have become so accustomed to regard the gold and silver bearing mines of British Columbia and the nickeliferous mines of the New Ontario as our principal sources of mineral wealth that we are often forgetful of the astonishing expansion in the development of the mining industries in Nova Scotia. Yet that development is proceeding at a rate which fully equals the palmiest days of Rossland and the Slocan. The opportunities afforded by the existence of the contiguous coal and iron deposits of the Maritime Provinces has attracted the attention of capitalists capable of exploiting it, and soon Nova Scotia coal will find its best market in the manufacture of Nova Scotian iron and steel.

It was in 1892 that Mr. H. M. Whitney of Boston first became interested in Nova Scotian coal properties. Under his energetic exploitation the slow and cautious expansion which had marked the output of coal since 1880 gave place at once to development on a gigantic scale. Instead of a long winter of idleness the men were employed continuously, and there was a great increase in the number of hands employed and a general advance in wages.

Last year the wage bill was more than \$400,000 higher than at any time when the old companies were operating the mines. In December last a contract was made to supply 800,000 tons a year to the Everett Gas & Coke Company, a quantity about equal to the entire output of the mines in 1892 and Messrs. Mackenzie & Mann, who are developing a coal area in Great Breton, are of opinion that when their railway is completed and there are barges on the St. Lawrence carrying 2,000 tons it will be profitable to ship Nova Scotia coal as far west as Toronto.

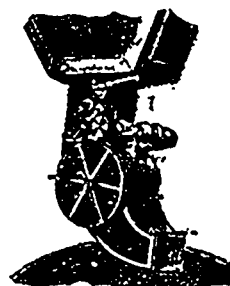
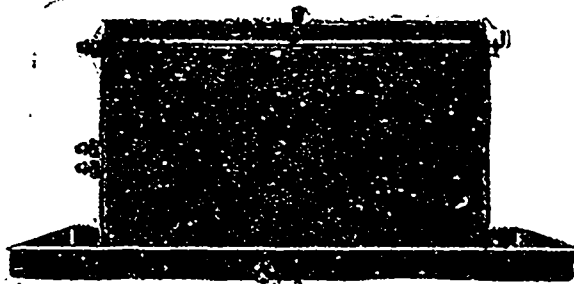
Nor is it on coal alone that the Whitney syndicate have concentrated their attention. The Dominion Iron and Steel Company has been the legi-

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itimate successor of the Dominion Coal Co. Works of a capacity of 1400 tons of steel per day are under construction at Sydney, C. B. Blast furnaces, coke ovens, machine shops, and foundries, unloading piers, wharves, storehouses, offices, and rail and roadways, are all being pushed on to completion. Twenty miles of railroad track and eight miles of mains will be within the limits of the company's works. And their 400 coke ovens will consume 3,200 tons of coal daily alone. The limestone necessary will come from George's River C. B., and the Sydney River will supply 3,000,000 gallons of fresh water per day. Next summer the hematite deposits of Belle Isle, which can be mined, loaded and transported to Sydney and delivered at the company's piers for 70 cents a ton, can be landed there at the rate of 6,000 tons per day if necessary. Furnished with a capital of \$20,000,000 and managed by the best American steel experts, it is not too much to say that the price of iron and steel will be largely dictated from Sydney when once the huge new furnaces are in blast.

Nor are the Dominion Iron and Steel Company and the Dominion Coal Company the only ones exporting the mineral wealth of Nova Scotia. The Acadia Coal Co. and the Drummond Coal Co., are both prosperous companies. Only just recently the Nova Scotia Steel Company of New Glasgow, N. S., have acquired the Sydney mines from the General Mining Association, of London, Eng., and have resolved to increase the present annual output from 300,000 tons to 750,000 tons. They are the proprietors also of rich iron ore deposits at Conception, Nfld., are now erecting large coking ovens at Sydney Mines, and propose later to erect a steel manufacturing plant of gigantic proportions.

Canada's iron and steel industry is as yet only in its infancy. The reports made by Canadian manufacturers to the American Iron and Steel Association shows that the production of pig iron in the Dominion for the first six months of the present year amounted to but 45,334 gross tons. The total production in the whole of 1899 amounted to 94,077 tons, against 68,755 tons in the whole of 1898. Of the production in the first half of 1900 about one-sixth was made with charcoal as a fuel, the remainder being produced with coke alone. In the first half of 1900 Canada produced both Bessemer and basic pig iron, two companies manufacturing Bessemer pig iron and one com-

pany manufacturing basic pig iron. In 1901 this production will be trebled, if not quadrupled. And yet there is no fear but that the demand for the products of the new works will be prompt and eager. If we consider the rapid extension of the uses of iron and steel in the past few years we shall hesitate to assign any limit to the further extension of demand. If we turn to the railroads as the greatest consumers we shall observe that while the extension of new roads is now progressing slowly the renewal of old tracks continues to be rapid. The steel rails are far more durable than iron, but the traffic is constantly growing and the rolling stock in which steel is a larger factor than formerly is in progress of rapid renewal and increase. If we look abroad we see not only boundless opportunities but an unlimited demand for railroad construction. Once the railroad was constructed to secure an existing commerce; now it is constructed to create a commerce. For more than forty years the railroad from the Mediterranean to the Persian Gulf has been discussed. The concession has now been granted and the road is likely to be in existence within a few years. The Boer war is pretty likely to revive the "Cape to Cairo" railroad. The Chinese prejudices against railroads have been pretty well overcome and an international agreement to maintain freedom of access to China can only mean a rapid extension of railroad construction in the Celestial Empire.

But apart from railroads there is an unlimited field for the use of steel. Already the shipyards are large customers of the rolling mills, and as we have cheapened all other processes of production we may expect that the cost of shipbuilding may be still further reduced and the amount of shipbuilding increased. The use of steel in building is now limited almost entirely to very tall buildings and to very low, open sheds for freight protection. But in ordinary building there is a large field for the use of steel in the place of wood. Timber can hardly fail to grow more expensive with the destruction of the forests or steel less expensive with improved methods of production. We may expect within a few years a large substitution of steel for timber in ordinary construction. Thus far it has seemed impracticable to use metal for finishing, but with the improvement in methods of production and the growing importance of incombustibility we may expect inventive genius to produce metal work light enough

and ornamental enough to take the place of all or nearly all the wood work in buildings. Hence the outlook for Nova Scotia is a brilliant one. The enormous plants now under construction there and the others that are destined to follow will find ready and eager markets for their products, and probably in the course of one short decade we may find in Nova Scotia the Pittsburgh of Canada.

MARINE INSURANCE.

There can be no doubt but that the heavy discriminatory marine insurance rates are seriously militating against Montreal as a seaport. It is useless for us to improve our harbor, deepen our ship channel, and build elevators, so long as we have to pay from 100 to 400 per cent. more for insurance than vessels leaving New York. During last year for steamers of the A1 class, the insurance rates for grain from Montreal to Liverpool ranged from 37 cents on May 1 to \$1.04 at the close of navigation, contrasted with a rate from New York of 21 cents until a late date, when it was increased to 23 cents; while the winter rate from Portland, St. John and Halifax for 1899-1900 was only 34 cents. It must be remembered, too, that these rates are only given to the vessels classed A1; rates by other lines for grain are ninety-five cents per one hundred dollars from Nov. 1 to Nov. 10, and one dollar and twenty cents to Nov. 20, against twenty-two and one-half cents out of New York; the discrimination in the latter case amounting to 433 per cent. The insurance on cheese for October by port of Montreal is sixty-five cents and by New York only twenty-two and one-half cents a difference of forty-two and a half cents in favor of New York or 189 per cent. In the case of cattle, the insurance rate to-day from the port of Montreal is two per cent., while from the United States ports the rate is about three quarters of one per cent., a difference in favor of the United States ports of 165 per cent. This difference is so excessive that the Allan Line is insuring all the cattle it carries and is also doing its own insuring on a considerable portion of the other cargoes it carries, as it finds the insurance companies' rates prohibitive.

The marine insurance companies give good reasons for an advance; but hardly sufficient for such a prohibitive discrimination in favor of New York. They state that they were compelled to advance their rates owing to the heavy losses incurred

on the St. Lawrence route during the year 1898. They repudiate the charges of discriminating against the Canadian route, and assert that the insurance rates are based upon the risks, and that it is only by improving the route and rendering the navigation of the river St. Lawrence so safe that Montreal can be reached with as little danger as other ports that rates can be reduced to a parity with those in effect on other routes. In the fall of 1898, notwithstanding that the ship channel between Montreal and Quebec had been swept, there were quite frequent groundings of vessels, but a thorough inspection and sweeping has since been carried out, the buoying and lighting system has been improved, and some of the most inefficient of the pilots have been discarded or relegated to the smaller vessels.

No doubt the reduction of the government grant for the survey of tides and currents in the Gulf from \$15,000 to \$2,000 is largely responsible for this rise in marine insurance rates. This abandonment of so necessary a work was resented by the insurance companies. The Montreal marine underwriters without exception are decidedly of opinion that a complete survey of tides and currents would be of great value as a safeguard against the dangers of navigation, and they have so represented to the government. The lighting below Quebec and in the Gulf is also said to be imperfect, and there is no telegraphic communication with Belle Isle and other points. In spite of all this, however, the route has been singularly free from serious accidents for several years past, the wreck of the 'Scotsman' on Belle Isle on the twenty-third of September of last year being the only calamity of moment for two seasons.

Yet the marine insurance companies assert that the high premiums they charge are warranted by the dangerous conditions of our route. And in saying so they practically blame the government which is responsible for the buoying and lighting of the channel, for the improving and sweeping and cleaning it and for rendering navigation as easy and safe as possible. The people and parliament of Canada have never denied or begrudged the means for improving and making safe our ocean going routes. If there has been any scrimping or cheeseparing in this matter the government is responsible. If, as contended by the government and many of the steamship owners, the insurance rates now charged are out of all proportion to the actual risks involved

in the St. Lawrence route, as improved by the government, then the government would be justified in stepping in and providing a remedy against the injustice to Canadian ports by taking the Marine Insurance business out of the hands of the companies into its own. If the government loses money on its marine insurance business, then it will perhaps guard against a continuance of the loss by improving navigation. At any rate the country will then know who to blame if the insurance rates are unduly high, or the shipping losses are very great.

THE MOLSONS BANK.

The report presented at the forty-fifth annual general meeting of the Molsons Bank must have proved welcome reading to the shareholders. It is certainly a most prosperous one, and one which reflects much credit on the skillful handling of the bank's business by the General Manager, Mr. James Elliott. The net earnings of the bank amounted to \$308,128, or equal to 13½ per cent. on the average capital, and, after paying eight per cent. dividends, and a one per cent. bonus, there remained \$61,083, of which \$50,000 was transferred to the bank's Rest. To this same fund was also transferred the premium of \$375,000 received on the \$500,000 worth of new stock issued; so that the Rest fund of the Molsons Bank now amounts to \$2,050,000, or equal to 82 per cent of the capital. This is the fourth largest rest held by any bank in Canada. The others being the Bank of Montreal with \$7,000,000; The Merchants Bank of Canada with \$2,600,000, and the Bank of Nova Scotia with \$2,281,000.

Naturally this being the first annual report under the new general manager, special congratulations were tendered to him on the highly successful showing he has made. But we must not forget that Mr. James Elliott has been for forty years in the employ of the Bank, and for most of that period has occupied positions of especial responsibility. He possesses the entire confidence of the Directors, as well as from his long and unblemished service as for his intimate acquaintance with the great institution over which he presides. He is thus especially fitted for his onerous position and the mantle of the late F. Wolfershan Thomas could not have fallen on more capable or worthy shoulders.

Tenders will be received by Hough & Campbell, Winnipeg, for grubbing, clearing and breaking 250 acres of land situated about 25 miles from Winnipeg.

A BUSINESS LIKE OFFER.

Hon. G. W. Ross, Premier of Ontario, has called attention to the fact that since the restrictions imposed by the British authorities a few years on Canadian cattle, the export trade in live cattle to Britain has languished. And he has also remarked that the Chicago houses of Armour and Swift have, in the last two or three years, been sending large consignments of dressed beef of the finest quality to England in cold storage, and the question has naturally suggested itself to him whether something could not be done so that Canadians could participate in this apparently more economical method of shipping fresh meats. The County of Middlesex, and to a less degree many other counties, have long been celebrated for the intelligent effort that has been devoted to the raising of cattle of the highest quality for the British market, and it is believed that if the means were at hand for making this industry more profitable than at present, 3 or 4 times the present number of cattle might be raised with profit. Mr. Ross therefore, suggests that if any capitalists of standing are prepared to undertake the work, he would recommend to the Legislature to guarantee, for five years, interest at 4 per cent on such capital as might be invested up to \$250,000.

This is a business-like offer, and one that should interest capitalists. In five years such an enterprise should certainly be self-supporting; and interest at the rate of four per cent on \$250,000 for that period is an inducement worth capturing. Mr. Ross' plan includes one feature of merit which is absent from a somewhat similar scheme proposed some time ago in the Province of Quebec. He has satisfied himself that there are at present the necessary number of live animals to give a sufficient foundation for an enterprise which would be immediately profitable. The design is to substitute shipment of dressed meat in cold storage for the present method of shipping alive. To this extent the scheme is commendable. Mr. Ross takes it for granted that once the scheme is in operation large areas of grazing land will be brought into use for raising cattle and sheep. He will be well advised, however, if in making any arrangements with capitalists he ignores these possibilities, and bases his estimates altogether upon the economic gain to the country from handling an existing business in the more modern manner. If that proves a success, the other develop-

ments many be expected in due course.

It is to be hoped that this promising offer will be taken up. Argentina, having had the same experience as we have had in the shipment of live cattle, is now sending home dressed beef in sterilized air chambers. Why should we not do the same? This guarantee on the part of the Ontario Government should certainly help to build up a Canadian dressed meat industry. The certainty of a four per cent dividend for five years on the paid in capital is an inducement which should appeal to investors. And that we have the necessary facilities for making such an industry a success would seem to be generally admitted.

THE LESSON OF THE STRIKE.

The fact that the huge coal strike which has brought discomfort and suffering to so many homes and proved the cause of unnecessary expense to others might have been avoided, is not a pleasant one. It now appears that it was caused solely by the remoteness between the coal companies managers and the laborers they employed. Had the men been able to reach their employers ears the strike would never have occurred. It has been conceded by the operators that an advance of wages was warranted by business conditions, and some of the great companies have admitted that the miners had other grievances. The significant confession was recently made that it was the strike which brought these grievances to the attention of the companies, and that it was only through investigation begun after the trouble broke that high officials came clearly to understand the concessions which might reasonably be made. It is apparent therefore, that the whole disturbance might have been avoided if the coal companies had made proper concessions at the start; and it is difficult to resist the conclusion that they would have done this if the chief men in these companies had understood the situation as well as an operator on the ground.

It seems to be one great lesson of the strike—that the corporation system has not as yet produced any effective substitute for the personal relations which formerly existed between master and man, and which are still found in the cases of operators, who interest themselves to provide suitable homes for their men, club-rooms, trained care for the sick and injured, and the best education at

advantages. It is too often true that superintendents and overseers, who to a large extent, have risen out of the ranks of ordinary labor, are more likely to be unyielding and inconsiderate with inferior employees than are those who are the employers and superiors of both. The local manager or overseer, touched with a degree of vanity perhaps, exaggerating capital's desire for returns, and wishing to improve his own condition, frequently establishes and insists upon a narrow and shortsighted policy. Great companies too often trust implicitly in the practical wisdom of their managers, with the result that the vast machinery of industrial organization is needlessly thrown into confusion as now. It is to be hoped that, whatever may be the outcome of the struggle now raging, the great coal operators may feel themselves inclined, not merely out of human feeling, but from business considerations, to establish some new methods by which the officials themselves may occasionally come into direct conference with their men; by which managers and overseers may be encouraged to take a more sympathetic and perhaps more tactful attitude toward those under their charge; and by which the mine operatives themselves may come to feel that what seemed to them petty and irritating injustice has given way to a working policy of consideration and fair play. The fact that this state of affairs has existed at some of the mines shows that it might exist at all.

On the other hand, there are independent operators whose relations with their employees have been altogether different. These operators live in the mining region; they understand the conditions of work; they have an intimate knowledge regarding the condition of their laborers. It would be impossible for such employers to be suddenly surprised by the discovery that their men had grievances of which they were not aware. They are practically as familiar with the whole situation in their district as was the manufacturer of the old type in New England, who built up such an establishment as made the prosperity of a pleasant village in which harmony between employer and employed prevailed. But these men, have been forced by the irony of circumstances to share in the consequences of the ignorance of the high officials of the big companies and the oppression or lack of tact of the minor ones. Once the strike began, it was perforce, extended to the smaller mines as well as to the larger

ones. And thus the intelligent employer who kept in touch with his men had to suffer for the errors of the high official who dealt with his workmen only through the medium of subordinates.

THE GLASGOW EXHIBITION.

With the close of the present year and the conclusion of the Paris International Exposition, the attention of manufacturers is naturally directed to the Exhibition at Glasgow, which is proposed to be international in the scope of its exhibits. As the Mother Country is generally recognized as still the greatest market for Canadian products, it is natural that Canadian producers should be anxious to have there an adequate exhibit of their products. One great drawback experienced, however, is in the matter of accommodation. Only something like one fifth of the space that they had at their disposal at the Exposition at Paris is available for Canadian exhibits at the Glasgow Exhibition. This means that the exhibit of Canadian products at Glasgow must necessarily be very limited and not to any extent representative of Canada. This feature is a serious one, and one which should as far as possible be remedied.

To this end the Committee of the Canadian Manufacturers Association discussed the matter fully at their meeting last month. It was felt that it was desirable that there should be an exhibition of Canadian manufactures at the Glasgow Exhibition, where many representatives from the sister colonies would be present, and the opportunities of extending trade with them would be exceptional. The space, however, is so limited that some sort of a collective exhibit of our manufactured goods would be necessary, and this the committee has under consideration at the present time. Fuller information is being sought for from the Department of Agriculture, the feeling being that if space is not available for the display of Canadian manufactured articles in the main building, possibly a building could be erected on the grounds for this particular purpose, and the manufacturers could there arrange collectively a representative exhibit of their products.

The Committee are now asking manufacturers individually for their opinions as to the advisability of exhibiting at Glasgow next year, and the means to be taken to secure adequate representation there. The Association asks that they will give to the Com-

mitted some intimation that they are interested in having Canadian manufacturers adequately exhibited at Glasgow, and, unless this is done, and there is an expression of opinion from manufacturers, showing interest in this subject, further arrangements with the Department of Agriculture for space will not be possible. It is hoped, therefore, that manufacturers will freely set forth as to the measure of exhibiting at the Glasgow International Exhibition in 1901 they desire.

THE MOLSONS BANK

The forty-fifth annual general meeting of the Shareholders of the Molsons Bank was held in the Board Room of that institution at 3 o'clock Monday 8th October. The president, Mr. W. Molson Macpherson occupied the chair; and among those present were: Messrs. S. H. Ewing, Vice-president; J. P. Cleghorn, Samuel Finley, F. C. Henshaw, H. Markland Molson, directors; A. G. Watson, George Filer, George Durnford, Clarence McCuaig, J. Try-Davies, J. Crawford, E. H. Copland, John Molson, S. W. Ewing, Hon. James O'Brien, R. W. Shepherd, F. W. Molson, Herbert Molson, A. T. Taylor, James Wilson, W. de M. Marler and — Macculloch.

The President, having called the meeting to order, requested Mr. A. D. Durnford to act as secretary, and, after that gentleman had read the advertisement convening the meeting, the President named Messrs. J. Try-Davies and A. G. Watson to act as scrutineers.

REPORT OF THE DIRECTORS.

The General Manager, Mr. James Elliott then read the annual report of the Directors as follows:—

At this the forty-fifth annual meeting of the Shareholders of the Molsons Bank, the Directors beg to present the report for the year ending 29th September, 1900.

The net earnings of the Bank, after making full provision for bad and doubtful debts, amount to \$308,128.92, equal to about 13½ per cent on the average capital. This has been distributed by two semi-annual dividends of 4 per cent, and a bonus of 1 per cent, in all \$205,288.72; business taxes, \$8,252.51; Bank premises, \$20,254.68, and, exceptional donations, \$13,250, leaving \$61,083.01 to be disposed of, \$50,000 of which has been carried to Rest Account. The balance, \$11,083.01, has to be carried to Profit and Loss Account, which, with the balance carried over from last year, now amounts to \$26,992.48. The premium obtained on the \$500,000 new stock, authorized by you at our last meeting, amounting to \$375,000 has been placed to Rest Account which, with the \$50,000 transferred from the past year's profits, now amounts to \$2,050,000, equal to 82 per cent. of the capital.

We are pleased once more to record the fact that the officers of the Bank continue to perform their duties with efficiency and zeal, and possess the confidence of the Board.

The branches of the Bank have been inspected once at least during the year.

It is with deep regret we refer to the death since last we met, of our much-esteemed General Manager, Mr. F. Wolferstan Thomas. His connection with

GENERAL STATEMENT.	
Of the Affairs of the Molsons Bank.	
<i>Liabilities.</i>	
Capital paid up.....	\$2,406,040 00
Rest account.....	\$2,050,000 00
Rebate in full on Notes discounted.....	80,000 00
Profit and Loss Account.....	26,992 48
Dividend.....90th Div.....	95,268 97
Bonus of 1 p. c. to shareholders.....	23,817 37
Dividends unclaimed.....	592 08
	2,276,670 90
Interest, Exchange, etc., reserved.....	105,704 20
Notes in circulation.....	2,484,891 00
Balance due to Dominion Government.....	28,954 31
" " Provincial Government.....	29,710 53
Deposits not bearing interest.....	2,286,058 41
Deposits bearing interest.....	10,639,499 97
Due to other Banks in Canada.....	302,676 12
	15,826,994 54
	\$20,569,705 44
<i>Assets.</i>	
Specie.....	\$ 348,422 58
Dominion Notes.....	1,117,427 50
	\$1,465,850 08
Deposit with the Dominion Government to secure Note Circulation.....	102,500 00
Notes and Cheques of other Banks.....	630,184 55
Due from other Banks in Canada.....	163,002 39
" Foreign Agents.....	442,490 67
" Agents in United Kingdom.....	825,297 97
Dominion and Provincial Government securities.....	325,182 90
Municipal, Railway, Public and other securities.....	1,539,857 06
Call and Short Loans on Bonds and stocks.....	638,886 25
	\$6,133,252 77
Bills Discounted and Current.....	\$18,955,414 51
Bills past due (estimated loss provided for).....	66,849 87
Real estate other than Bank Premises.....	69,281 28
Mortgages on Real Estate sold by the Bank.....	12,800 00
Bank Premises at Head Office and Branches.....	300,000 00
Other Assets.....	32,107 00
	14,436,452 67
	\$20,569,705 44

the Bank lasted for thirty years, during which time it grew under his able management from a local institution to its present position. Mr. Thomas's personality was well known, not only in this city, but throughout the Dominion, and his death was a loss to many important interests outside the banking sphere.

We have also to record the loss by death of Mr. Henry Archbald, a Director of the Bank for many years, whose cautious and prudent counsel was much valued. Lieut-Col. Henshaw was called to fill the vacancy on our Directorate.

The position of General Manager was filled by the appointment thereto of Mr. James Elliott, Manager of the Montreal branch who has been in the service of the Bank for upwards of forty years.

(Signed)

W. MOLSON MACPHERSON.

President.

PROFIT AND LOSS ACCOUNT.

Balance at credit of Profit and Loss Account on 30th September, 1899..	\$ 15,909 47
Net profits for the year, after deducting expenses of management reservation for interest accrued on the deposits exchange, and provision for bad and doubtful debts.....	308,128 92
	324,038 39

Appropriated as follows:—

89th Dividend at rate of 8 per cent. per annum, 2nd April, 1900.....	\$ 86,202 38
90th Dividend, at rate of 8 per cent. per annum, 1st October, 1900.....	95,268 97
1 per cent. Bonus, 1st October, 1900.	23,817 35
Business Taxes.....	8,252 51
Alterations and Improvements to Bank Premises at Montreal and Branches.....	20,254 68
Exceptional Donations.....	13,250 00
Added to Rest Fund.....	50,000 00
	297,045 91

Leaving at credit of Profit and Loss Account, 29th September, 1900..	\$ 26,992 48
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Montreal, 29th September, 1900.

The meeting then proceeded to the election of Directors, and the scrutineers soon reported that the former Board had been re-elected, viz:—Messrs. James P. Cleghorn, S. H. Ewing, Samuel Finley, H. Markland Molson, W. Molson Macpherson, W. M. Ramsay, F. C. Henshaw.

At a subsequent meeting of the Directors, Mr. Molson Macpherson was re-elected President, and Mr. S. H. Ewing, Vice-President.

ARGENTINE 'DRESSED MEAT TO BRITAIN.

Since live stock from Argentina has been prohibited by the British Government from landing in Britain, an effort is being made to regain lost ground by sending dressed meat in sterilized air. To this end a trial load was started for Liverpool from Argentina by boat, Southern Cross, early in August.

In Liverpool, where there has been formed a company for working the patent invention, they have already made the necessary arrangements for receiving the carcasses which the Southern Cross is taking, and for keeping them during a certain term with the object of fully putting the system to the test. The remittance which goes in this vessel, in a small chamber specially prepared by the inventors, consists of sixteen bullocks of exportation type, slaughtered by an English butcher engaged for the purpose. The carcasses are cut open and depeeled of all their interiors with the exception of the kidneys, and are left with the hides on.

If the thing is a success—as has been already proved by eating meat preserved for forty days by this system, and which turned out quite fresh—the Southern Cross and other steamers of the same Company will return with fittings calculated for the carrying of from 1,000 to 3,000 bullocks each journey.

The cost of freight and maintenance of the live animals between Buenos Aires and Deptford may be considered to-day as nine pounds sterling, whereas the freight of bullocks preserved by the sterilized air system will not exceed, in the first remittance, one pound sterling per head, a price which may in future be reduced by 25 or 30 per cent.

INSURANCE IN ONTARIO.

The Inspector of Insurance and Registrar of Friendly Societies for the Province of Ontario has issued his annual report. The volume is in three divisions. The first deals with the (98) companies registered under the Dominion Act; the second with the (94) purely provincial companies; and the third with the (91) friendly societies.

The net amount of risks carried by the provincial companies was as follows:—
Life and accident companies \$ 2,444,151.09
Joint stock fire companies... 25,585,680.62
Cash-mutual fire companies. 87,562,189.65
Purely mutual fire companies.....125,677,413.00

In the friendly societies on December 31st, 1899, there were 229,084 who held life insurance, and 61,053 in addition who held sick and funeral benefits. The life insurance in force in these societies amounted to \$1,179,958,305.71. The number of claims matured during the year was 1,126, calling for 1,561,246.49 insurance. The total assets of the life companies amounted to \$6,279,819.14, with \$1,430,765.28 liabilities. In sick benefits \$257,915.77 was paid for 87,252 weeks' sickness, as well as \$50,041.28 in medical attendance.

Seventy-five mutual fire insurance companies took risks during the year. They had assets of \$4,312,225. Their in-

come was \$352,139, and the expenditure \$298,649. Their losses amounted to \$167,639, and the cost of management \$69,913. The gross amount at risk on the mutual plan was \$155,152,793.

Joint stock fire insurance companies to the number of five did business. Their total assets reached \$450,959. The total liabilities, excepting paid-up capital stock were \$159,258, and the grand total liabilities, including capital stock were \$383,652. The total income of the five companies, Anglo-American, Equity, Keystone, Merchants', and Queen, was \$368,289, and the expenditure totalled \$287,629.

CANADIAN COTTON GOODS ADVANCED.

There have been further advances in Canadian cotton goods. The Dominion Mills Company have advanced their lines of prints made by the Magog mills from 5 to 10 per cent. for the spring. The low grades are ½c per yard dearer, while the higher lines are all ½c per yard higher. The samples of these goods have been coming forward to the wholesalers. They will not be given to the travellers till next month. The samples shown are of a better class of goods than were ever turned out before in Canada. The designs are more varied and the colors particularly good. The indigos made at Magog are very fine. Canadian made cottons have been advanced ½c per yard this week by the Colored Cotton Company. They have also advanced shirtings ½c to ¾c per yard, ticks ¾c and denims ¾c to 1c per yard dearer. Even at these advanced prices the goods are cheap. There is every indication of a further advance later on. This statement is founded on the fact that while last year similar goods were being sold at a price based on 6c raw cotton, the present prices are on the basis of 8c cotton, and the raw cotton is now on a basis of 10c to 11c. It is pointed out that the goods could now only be made by the mills at a loss if they were obliged to purchase raw cottons at the current market prices. Jobbers say prices for these lines will certainly be higher before the spring. Cotton sheetings, both bleached and unbleached, and pillow cottons are all, they say, good purchases at present prices for the spring trade.

THE SUGAR OUTLOOK.

Advices from Europe have reported improved prospects for the beet crop. American refiners, it is stated, have been fairly free buyers of new crop beet sugar for shipment, and last quotations for October shipment are equal to about 4.43c duty paid New York. The Java crop has been fairly well sold up, only a small supply for October-November shipment being still to be marketed and the supply available for the remainder of the season is reported much smaller than for the corresponding period last year.

As to the Louisiana crop it is quite generally conceded that the crop will yield fully 300,000 tons. Grinding is expected to become general by October 15th and a few houses are now working. Reports from the interior say weather conditions are favorable for the maturing sugar beet crops, and advices received from Nebraska said that farmers have commenced marketing their crop.

Latest advices received from Demarara indicate a full yield of sugar from this

island. Thus far moderate sales have been made at 3c to 3 1-16c, cost and freight, the latter for immediate steamer shipment. Business, however, has been held in check to some extent by the scarcity of ocean tonnage.

Another factor in the refined sugar market that many are disposed to consider is sharper competition between the different refining interests, now that the active season is over; consequently it is quite generally believed that profit difference which has been maintained during the late spring and summer months between prices for raw and refined will be at least considerably lessened.

Preparations are already being made for the annual winter cut of saw logs, railway ties, cordwood, etc., in the north-western woods. Supplies are being taken in for camps before the close of navigation, in the wood districts tributary to navigable waters such as the Lake of the Woods, Lake Winnipeg, and Lakes Manitoba and Winnipegosis water systems. A large force of men will be at work in the woods this winter—probably a larger number than in any previous year. Some large contracts are reported to have been awarded this week, one to E. H. Strand and another to G. H. Stravel, for about 350,000 ties each for the Canadian Pacific Railway Company. Last winter was a very unfavorable season for work in the woods, owing to the remarkably light snowfall, and this is one reason why more work will be done in the woods the coming winter.

The lemon crop prospects for the coming season are very bright as the California lemon is fast displacing the Italian product and the fruit men feel that good times are coming. There are about ten carloads of dried apricots left in southern California. Market is quiet for this fruit. There will be about three carloads of prunes in Southern California, and one Pomona firm has secured about all of them. Choice potatoes and onions are in light supply and firm. The first carload of walnuts of the season left Los Angeles.

Reports from Lyons state that considerable depression has existed in the raw silk market. The demand was very slack, and prices of most descriptions were weak and irregular. In some cases holders were influenced by financial considerations to press their silk upon the market, and buyers were very unwilling to purchase except in comparatively small quantities.

Private advices from the Main coast state that the pack of domestic sardines continues disappointing, and that the outlook does not favor a total pack for the season exceeding 40 per cent of that of last year. The pack of soured mackerel is also light. Some new goods are on the market in 1-lb square tins at \$4.75 per case of 50 tins.

The Balmoral hotel building at Pipestone was destroyed by fire. The building has not been in use for some weeks and it is surmised that the fire was the work of an incendiary. The owner of the building was Geo. Bonfield. Its value was as placed at \$1,500.

The cloak makers are complaining of mild weather having a bad effect upon their trade. It keeps the demand so light that they are not in a position to decide what style will be most prominent in the season they are just entering upon.

PICTOU COUNTY, N.S.

Pictou, Westville and Stellarton, N. S.

Nova Scotia's third Most Populous County and one Industrially of the First Rank in the Province. Coal Mining, Shipping, Manufacturing, Transportation and Commerce. Great Prosperity evident on every side.

The town of Pictou, N.S., is situated at the entrance to the harbor bearing the same name, on the north coast of Nova Scotia, entering from the Straits of Northumberland, 50 miles south-east from Charlottetown, P.E.I. This harbor is the chief one on the north coast of Nova Scotia, and one of the finest from every point of view in the Maritime Provinces. The approach to it is one of the best and safest anywhere in America. Its waters are of extensive capacity, and of such depth as to afford anchorage for any vessel afloat, and more. It is this magnificent harbor, with its convenient location, looking to commerce with the whole world, and particularly with points up the St. Lawrence to Montreal, as well as with all Maritime Province ports, which has in past years given Pictou a wide reputation as both a ship-building and commercial port. It guarantees also that in the years to come (both immediate and remote) certain prominence and prosperity awaits it.

Pictouians scarcely grasp the full measure of advantage which the town enjoys in point of location. And one would despair of seeing the town of Pictou as great and prosperous as it ought to be, were it not for the fact that back from the town and harbor an industrial life is developing, which must "nolens-volens" rendezvous here. All the coal interests of Pictou County, located at Westville and Stellarton, ten and fourteen miles south respectively, with a present annual output of 560,000 tons, must pay tribute to Pictou. The iron smelting and steel working industries of the County of Pictou and district, are inevitably interested in this harbor. And whatever meed of advancement comes in the way of manufacturing and industrial enterprises in the towns and districts to the rear, it must all "render to Caesar," etc. In other words, if the industry, thrift and enterprise of other communities in this part of Nova Scotia do much for them, it is as an eventuality, also done equally for Pictou, because this town has the key to the situation.

It is a deep water terminus, and the harbor is always here. There is no other. Here the back country population must come. The greater they grow, the more they accomplish; Pictou proportionately stands to benefit. And congratulations to the citizens here are in order accordingly. The question of

TRANSPORTATION

is well-nigh perfect and complete. A comprehensive resume of transportation appears later on under that particular heading in this issue, and is of great interest. The I.C.R. line connects Pictou with Stellarton via Westville, upon the main line of the eastern division from Halifax to the Sydneys, and westward via Truro to Montreal, effecting a junction to the south within the town limits with the Oxford branch. Several passenger trains pass and repass Stellarton daily. Three trains to and from Halifax, only four hours distant, are to be had every 24 hours; and to Truro oftener. Across the harbor from Pictou landing a local service with points on the main line, is equally felicitous. Altogether the passenger and freight service by rail to and from Pictou is well-nigh perfect.

THE POSTAL SERVICE

performed at Pictou is important at all seasons, owing to the fact that much of the P.E.I. mails pass through this office in summer, and in winter "the Island" gets its mails from the mainland through here exclusively. A daily service is maintained between Charlottetown and Pictou during summer months by means of the S.S. "Princess," a modern vessel, in which it is a pleasure to travel, and by means of which freight receives careful despatch. Other vessels also connect this port with points on Prince Edward Island and the Magdalen Islands and ports.

The town of Pictou is

AN IDEAL SPOT

for a home. Its people are particularly courteous and kindly. It may be said—as a close observer will speedily discern—that they are the product of generations of refinement and genteel culture. On the whole the men of Pictou are energetic and capable, and barring the fact that to a stranger who looks about him with an eye and ear attuned to conditions somewhat more alert to opportunities and things commercial and industrial, there are certain phases of life which bear the earmark of a deliberation, not to say slowness, which could well be dispensed with. It is nevertheless proper to say that Pictou business people are a class to whom the term ex-

clusive, or conservative (in the extreme sense), cannot be fairly applied. And it may be taken for granted that the very responsible and important position of the town, at the point it occupies on this splendid harbor, is fully realized by every citizen. Without appearing to criticize, or to offer gratuitous suggestion, to the municipality or any set of its citizens, mention may legitimately be made of the importance of immediately inaugurating and maintaining a proper ferry service between the town and Pictou Landing, just across the harbor. The latter point is important from a harbor standpoint, not to speak of the constantly increasing population of that portion of the county, which ought to, by right, and in justice to the people over there, be given an opportunity to visit Pictou for purposes of marketing and trade, instead of, as now, being compelled to go from 8 to 10 miles by rail to other points with which they have not nearly so much in common.

This, or such ferrage, ought to be established at once by Pictou town, or its citizens. The latter, if it may be. By the corporation if it must be. Too much importance can hardly be attached to such a service, and delay will but more and more certainly admit of the ultimate attachment of the trade of the fine district over the harbor to other points up East River and on the railroad there. Assistance in this matter, might, with perfect propriety, be given by the County authorities, as everything which tends to solve the problem of intercommunication of the people of the County, as a whole, or of one portion with another, is but a step in the right direction. But, whether such recognition be accorded or not, the town of Pictou would seem to be so vitally interested as to call for instant and thorough action. It will be readily seen that such a connection across the harbor of Pictou Town with the Landing will round out the whole position in a manner certain to meet the needs existent.

THE SOCIAL STANDPOINT.

Society in Pictou is of that bright and interesting sort which is always found in centres where there is even a small predominance of the fair sex. Here in Pictou it is said that young women outnumber young men in the ratio of about 1½ to 1. This is to be regretted, for a brighter, better set-up, and in every way

handsomer population of women does not exist in Canada anywhere. Attractive dress and pleasant manners combine to present a charming exterior while education and culture to a high degree prove them of a character most desirable. This is not meant by the writer merely as a perfunctory compliment, or as a compliment at all, but rather as a due statement. Young men there are here also, but too many have gone away (albeit with reason) looking for employment. Although it is confidently predicted, that, now in "Canada's growing time," their thoughts will turn homeward again.

AS A SUMMER RESORT.

Few people realize all that this town can claim as a summer resort, either as a wayside stopping place, while doing a tour of the provinces, or as a point for a more or less permanent stay during the hot season. The town lies banked high upon the face of a gently rising bluff, until at its apex one looks out upon scenes of extra beauty and interest from an eminence far above sea level. Its main streets and avenues follow the line of rising ground in terraces, holding in their embraces, so to speak, hundreds of homes, which are literally embowered in gracious foliage, and themselves crowning natural lawns, which render the artist envious and put the descriptive writer to shame. To the seaward this high ground gradually breaks into rolling hills and stretches, until at a point opposite the entrance to the harbor, old ocean clasps hand with the land. To the south-west, the same conformation of the land is witnessed, except that the undulations of the banks of West River, one of three streams flowing into this harbor, are more or less irregular, with jutting points of land along, creating views and spots possibly more beautiful and interesting than is presented on the harbor front seaward. Land and sea breezes alike fan this town. The basin of the upper harbor, formed by the East, West and Middle Rivers, renders the situation, from a fresh air attitude, as grateful and felicitous as when perchance the wind blows from the open sea. Nature undoubtedly took her "beauty sleep" right here, and one can surely advise tired, hot, and uncomfortable humanity to follow a good example set, and by coming to Pictou, N.S., during the off days in summer, accomplish in a personal way what is so lavishly offered here at this spot so prodigal of beauty, health, comfort and repose.

TOURIST ACCOMMODATION.

One matter there is however, to which Pictou people may not safely close their eyes: that is, the absolute necessity of providing perfectly comfortable and cordial accommodations for tourists. This cannot be accomplished by offering just the ordinary and indifferent welcome to strangers coming on a holiday, which may and will suffice for travellers who stop over between trains, or mayhap for a day or two, on "business

bent." These, or such ordinary comforts and accommodation, are too common as home grown products, to be ungrudgingly accepted by the pleasure seeker. A really acceptable summer resort, no matter how superior its natural side may be, is required to offer accommodation in the way of creature comforts of a superior order. Not at all is it necessarily a requisite that grand architecture shall please, but rather that the appointments and service of hotels shall be perfect in every detail. It is expected that such interest by all enterers to the public here in Pictou will as a matter of course meet every demand on this line. Easy access to every part of the Island of Prince Edward, and to Cape Breton from Pictou gives the town a "call" over all others as a headquarters while going from place to place. This has frequently been demonstrated. One instance may be mentioned. The present summer a prominent clergyman from one of the large cities of the United States, visiting a brother clergyman in Pictou, expecting to proceed to other points en route. But his delight was so great at the beautiful situation here, that he followed the line indicated and made a lengthy stay in Pictou, visiting points of interest from here. Without attempting comparison, or detracting one iota from any other maritime points as a place to holiday in summer, the cold fact stands, that Pictou, N.S., has none to offer superior attractions than she, and of equals, but few indeed.

A more extended reference to this subject will be found under a special heading.

MANUFACTURES AND TRADE.

Following in this issue will be found individual and particular reference to every industry and commercial endeavor going to make up the business life of Pictou. The matter of import and export figures from this port and the duties collected have been very kindly supplied to "The Review" by Mr. Daniel McDonald, the efficient Collector. For the fiscal year ending June 30th, 1900, the imports at the port of Pictou and outports, amounted to the sum in value of \$637,180, upon which a duty of \$53,750.23 was collected. The export for same year amounted in value to \$455,534. The following returns of shipping entering and sailing from Pictou harbor during the year ending June 30, 1900, show that a total of 1,474 vessels entered. 1,444 coastwise and 30 foreign, and that 1,470 cleared, 1,449 of which were coastwise and 21 foreign, an increase in the number of foreign vessels entering and clearing will be a happy development.

PICTOU COUNTY.

Pictou County: next to Halifax the most populous county in Nova Scotia, contains 1,126 square miles, 677,360 acres, population 36,500. The shire town, Pictou, is the eastern terminus of the Pictou branch of the I.C. Railway, 117 miles from Halifax,—fare \$3.27. It is also the terminus of the Oxford and Pictou branch, which is 67 miles in length,

—fare \$2.07. This branch connects with the main line of the I.C.R. and C.P.R. trains from Quebec, Saint John and the United States. The Oxford and Cape Breton road extends to Sydney, Cape Breton, a distance of 197 miles,—fare \$4.64, time 7 hours.

THE SITUATION

of Pictou is one of the most beautiful in Nova Scotia. The town is built on a southern slope overlooking an expansive harbor, into which flow the East, West and Middle Rivers, along whose broad banks beautiful farms, wooded slopes, and picturesque intervalles make a scene of restful beauty.

At the northern and eastern parts of the town are suburban residences with spacious grounds, enclosed with hedges of English hawthorn, from whence a commanding view can be had of the sparkling waters of the Straits of Northumberland, and the blue waves of the great St. Lawrence Gulf.

On clear days the shores of Prince Edward's Island are distinctly visible; and out beyond the Harbor Light, Cape St. George and the distant outline of Cape Breton's rocky coast can be seen jutting out into the wide Atlantic.

FOR INVALIDS

the town possesses special attractions. During the long summer months the air is clear and dry, fog being unknown. Gentle breezes from the water temper the heat of midsummer, and the nights are cool and refreshing, conducive to rest.

BATHING

is exceptionally fine. Long stretches of white sandy beach extend for miles beyond the harbor mouth. Inside the harbor are commodious bathing houses for ladies and children, and persons whose constitutions will not permit of sea bathing, to enjoy the pleasure of a "dip" in summer.

BOATING

can be indulged in without fear of sudden storms or squalls. The harbor is especially adapted for the sailing of light craft, and boating parties can find attractive spots along the beautiful banks of the three rivers for picnics or summer outings. Upon summer evenings and moonlight nights, light row-boats and wherries glide over the quiet waters of the harbor among the steamers, ships and coasting schooners anchored in mid-stream, making a picturesque and delightful scene. In the bay outside the harbor there is cruising ground enough for the New York Yacht Club. The shores extend to Cape St. George, beyond which Cape Breton's coast line reaches to where Cape North pierces the Atlantic. Prince Edward's Island bounds its eastern limit, and northwardly lie the Magdalen Islands; with Anticosti or the Restigouche for a long cruise up the Northumberland Straits.

Were but the half told of the beauties of the lower St. Lawrence, its bold and rocky shores, its picturesque bays and

inlets, its beautiful beaches, romantic coves and emerald islands, Pictou harbor, the gem of the Lower Gulf, would become the Mecca for the summer tourist.

THE SPORTSMAN

will find lots of attraction in and about Pictou. There is good trout fishing from May until August. The River John, 20 miles distant, accessible by the Short Line R.R., Toney River (12 miles); and Big and Little Caribou Rivers (8 and 6 miles respectively), all flowing into the Straits of Northumberland, abound in sea trout ranging from one-half to three pounds in weight, which are taken readily by bait or fly. West River, flowing into Pictou harbor, is also a splendid trout stream. In its deep pools and wide reaches sea trout weighing two and three pounds can be taken with fly during the months of June and July. The Eight Mile Brook and Six Mile Brook flow into it; both of which teem with river trout, which are readily taken throughout the whole summer, affording splendid sport for less ambitious sportsmen.

Within an hour's drive of the town are innumerable small streams and brooks, in any of which the bait fisher can find plenty of sport and readily fill his basket with speckled beauties.

The Earlton Lakes, distant 28 miles; McIntosh, Gully and Wood Lakes at Loganville, 18 miles distant; and Bezanson's Lake at Mount Thom, 20 miles distant, are all well stocked with lake trout. Large catches can be taken with worm bait or fly throughout the entire summer.

In the eastern part of the County are three large rivers flowing into the Gulf, viz., Barney's, French and Sutherland River; all good trout streams. The Oxford and Cape Breton R.R. crosses each of these rivers between Stellarton and the Straits of Canso.

SEA TROUT.

There are three runs of sea trout. An early one about the 1st of May, when bait fishing is the more successful owing to coolness of air. Worms are the best bait. The second run occurs about the middle of June, and the last one in the latter part of July. Fly fishing is the most successful for the last mentioned. Brown-hackles, Jock Scott, Yellow Abbey, Montreal, Scarlet Ibis and Silver Doctor are the flies which kill best in any of the streams or lakes mentioned. An attractive feature of the fishing above alluded to, is the easy access. The County is well settled and there is no opposition from the farmers along the river banks. Hospitality is freely offered to the visitor, and a night's lodging can be had for the asking.

COD FISHING.

During the month of June good deep sea fishing can be had in the bay, cod fishing with hand lines being excellent sport. Fishing parties in staunch sailing boats or steam launches sail over to Pictou Island, 8 miles distant, build a

camp fire on the shore around which to smoke, talk and sleep at night, putting out at early morning to catch the big fellows at sunrise.

MACKEREL.

Mackerel strike in about the latter part of August, and during September fine sport can be had inside the harbor, or a short distance outside the Light House, taking these fine fish with hand lines. A hook, called a "jig" is used, weighted with lead. Excellent sport can be had in this way any afternoon during the early autumn.

Striped bass can also be taken in September at the entrance of the harbor or at Caribou harbor, 3 miles distant, and first rate sport can be had all through the fall fishing smelt in any of the creeks or the wharves along the harbor front.

GOOSE SHOOTING

can be had in the early spring. During the months of March and April fine sport can be had either with decoys or blinds, or with a goose boat, off the entrance to Boat or Chance harbors, about 8 miles distant, or Caribou harbor, 3 miles distant. Wild duck are plentiful, affording capital sport. From the 1st April to 1st June the Brent-geese is found in large flocks all along the coast. They enter the harbors at sunrise and feed up the rivers until sundown, when they take their way out to the Gulf. Splendid sport can be had either with decoys or sailing upon them in a fast boat. In Caribou harbor flocks of from two to three hundred of these birds can be seen all spring. With a 10 bore double barrel and B.B. shot, good shooting can be had any day within above dates.

OTHER GAME.

There are fine Partridge covers all over the country. At the expiry of the close season, one year from date, Pictou County will afford the best shooting grounds for partridge of any of the counties of Nova Scotia. There is good Woodcock and Snipe shooting within 4 miles of the town. Rabbits are plentiful. Blue Wing Duck can be had in the marshes and along the coast in the early fall. Any information as to locality, accommodations, etc., etc., in connection with Fishing and Gunning can be had by addressing W. A. Dickson, Solicitor, Pictou, N.S., who will cheerfully answer any enquiries connected therewith.

COUNTRY DRIVES.

Pictou is noted for the beautiful country drives with which it is surrounded. You can drive for 8 miles around Caribou within a hundred yards of the shore all the way,—a delightful drive for visitors, under stately willows, past beautiful hardwood groves, with the sparkling waters of the Gulf in sight all the time. Fitzpatrick's Mountain, 9 miles distant, a beautiful drive, past thriving farms and through green woods, gives an extended view, from Cape Breton and P.E. Island, on the east

to the shores of Wallace on the west.

From the top of Green Hill, 9 miles distant, a charming panorama lies at your feet. The harbor, with its three winding rivers, the thrifty villages along the banks, the town nestled down by the harbor, and away out in the distance the sparkling sea. Along the rivers are wide intervals, dotted with stately elms, with winding gravelly roads, smooth and level, to cheer the heart of the enthusiastic wheelman. Delightful spins can be had along these roads and good accommodation can be had at any of the farm houses.

ATHLETIC CLUBS.

Pictou has a Bicycle Club, an Athletic Association, a Lawn Tennis Club, which holds a Visitors' Reception every Saturday afternoon during the summer months on their beautifully situated grounds, a Boating Club, with boat house.

EDUCATIONAL.

It is pre-eminently an Educational centre. Its fine Academy, built of brick at a cost of \$30,000 attracts students from every part of the Province. Its inhabitants are literary, musical, and social, and during the summer months there are numerous attractions for visiting tourists.

CHURCHES.

There are six churches. The two leading hotels are the Revere and the Wallace, besides several smaller ones and boarding houses. Rates are from \$1.00 to \$1.50 and \$2.00 per day. Families can obtain board in private houses in the suburbs and at most of the farm houses along the shore in the country districts.

MINING.

Pictou County coal mines are noted all over the world. The two largest are situated near Westville, 16 miles distant from Pictou town. The Acadia Coal Company is under the management of Henry Poole, Esq., and the International Coal Mining Co. has Charles Fergie, Esq., for manager. Either of these gentlemen are always willing to extend their courtesy to visitors, and a visit to either of these mines, inspecting the extensive works, and going down the pits makes a pleasant and interesting experience.

CENTRAL LOCATION.

A very important feature about Pictou as a summer resort is its central location and easy communication with all the interesting points of travel in the Maritime Provinces.

As soon as navigation opens, the Gulf Port S.S. Co., of Montreal, place their large passenger steamer "Campana" on the route between Montreal and Pictou, to where she makes fortnightly trips, touching at all the interesting points down the St. Lawrence, a delightful summer cruise. Any information as to fare, accommodation, etc., may be had on application to C. Dwyer & Co., the Pictou agents.

Daily communication is had with

Charlottetown, P.E.I., on the P.E.I. Steam Nav. Co.'s fine steamship "Princess," Messrs. Noonan & Davies, agents.

THE MAGDALEN ISLANDS.

A specially attractive summer trip is one to Magdalen Islands, where the staunch sea-going steamship "Amelia" makes a voyage once a week, touching at Georgetown and Souris, P.E.I., each way. The "Amelia" also makes a trip every week to the Cape Breton ports, touching at Mulgrave, Port Hood, Mabou, Margaree and Cheticamp. The "Electra," a Georgetown steamer, makes two trips each week to P. E. Island. Sportsmen visiting the celebrated salmon and trout streams of Cape Breton will find this a pleasant as well as inexpensive route. Information as to fare, time of sailing, etc., can be had from Wm. Fraser, the agent at Pictou.

The S.S. "Arcadia" also makes a weekly trip to Cape Breton ports, touching at Arisaig and Georgeville, Antigonish County. A. J. Craig, Esq., is the agent at Pictou.

Good train arrangements exist to all Cape Breton points, and regular trains run every day to every point in Nova Scotia.

SOCIAL.

Pictou, always foremost in education, has a charming social life, and many families of refinement are found among its inhabitants. While there is an absence of great wealth the style of living is generally excellent. The private houses are perhaps marked by cosiness, comfort and beauty rather than by elegance or ostentatious display.

Besides the attractions of private life, the town has its full quota of clubs and societies. The Y.M.C.A. owns and occupies a handsome four story brick and freestone building at the corner west of and opposite the Post office. An excellent reading room and a library and a well equipped gymnasium, with baths attached, are maintained and practically open to all.

Eastern Star Lodge No. 1 I.O.O.F. is, as the number indicates, the oldest lodge in the jurisdiction, and has a large and increasing membership. Wednesday is the regular night of meeting.

Affiliated with it are Stewart Encampment and Princess Lodge of Daughters of Rebecca, both flourishing.

New Caledonia Lodge, No. II. R.N.S., A.F. & A.M., is one of the leading lodges in the Province, and is glad at all times to welcome visiting brethren. Its home is in Freemasons' Hall, on Front street, where members of the craft will find a well furnished lodge room and recreation room.

Regular meetings are held in summer on the second Tuesday of each month; in winter, on the second and fourth Tuesdays. St. John's R.A. Chapter, one of the oldest in the Province, meets in the same building on the first Tuesday of each month.

The Royal Templars have comfortable lodge rooms and a good membership. Monday is the regular night of meeting; innocent recreation is afforded the mem-

bers and visitors, and an annual summer excursion is held under the auspices of the lodge.

The C.M.B.A. Stella Maris Branch, No. 293, is an active and growing organization. Every Wednesday evening, at 7.30, meetings are held. The society occupy large rooms, which are conveniently situated.

The I. O. F. and C. O. Foresters both have lodges in connection with the respective orders.

Recreation for those who desire more active exercise is to be found on the grounds of the Pictou Amateur Athletic Association, where there is to be found a good quarter mile circular track, a smooth turf, convenient dressing rooms, grand stand and the several accessories to such places. Facilities for bathing are elsewhere referred to.

The Pictou Lawn Tennis Club's grounds are beautifully situated, commanding a fine view of the upper harbor, the estuaries of the Middle and West Rivers, and the beautiful hill slopes and rolling lands covered with varied verdure which mark the western approaches of the town. The game is vigorously prosecuted in the season, and on Saturdays the Club is "At Home," provides tea for visitors, and attracts large numbers, usually including devotees of the game from neighboring towns and greater distances. Tournaments and matches with other clubs relieve the monotony of practice, and generally afford opportunity for balls, boat sails, picnics and similar entertainments.

PRINCE STREET CONGREGATION.

A healthy religious sentiment pervades the community, and the churches, which number seven, have usually good congregations.

The oldest has long been known as "Prince Street Congregation," and was originally a section of the large charge of Dr. James McGregor, who arrived in Nova Scotia in 1786.

At first his charge embraced all the Presbyterians in the County, and comprised four sections, viz, East River, Middle River, West River, and Pictou harbor. Dr. McGregor ministered to this extensive district till the arrival of Rev. Duncan Ross, in 1795, who was first associated with Dr. McGregor in working the whole field. In 1801, however, a division was made, Mr. Ross taking charge of the West and Middle Rivers, Dr. McGregor retaining the East River and Merigonish, while the third division of Pictou harbor and Fishers' Grant received whatever temporary supply of preaching could be secured until the arrival of Dr. Thomas McCulloch in Pictou in November, 1803. It was intended that he should proceed to Prince Edward Island, but owing to the lateness of the season, it was deemed advisable that he should remain in Pictou until the following spring. In the meantime he supplied the congregation. He received a call and was inducted first pastor of the congregation on the 6th day of June, 1804.

Dr. McCulloch continued minister of the congregation till 1824, Early in his

ministry he agitated the question of higher education, having specially in view the training of a native ministry. His efforts resulted in the establishment of the Pictou Academy in 1817, of which he was made the first principal or president.

The Rev. John McKinlay joined Dr. McCulloch in educational work in that year. In 1824 Dr. McCulloch resigned his pastorate to give his entire time to educational work, and in August of that year Mr. McKinlay was placed over the congregation. Dr. McCulloch subsequently removed to Dalhousie College, Halifax, where he died in September, 1843.

Mr. McKinlay continued in charge of the congregation until his death in October, 1850.

He was succeeded by Dr. James Bayne, who ministered to the congregation from July, 1851, until his death in December, 1876.

The Rev. William Donald became pastor in July, 1878, and continued as minister of the congregation until May, 1886, when he removed to California, where he died thirteen years later.

Mr. Donald was succeeded by the present pastor, Dr. A. Falconer. He was inducted December, 1886.

THE KIRK.

The congregation of Saint Andrew's, Pictou, first met for worship in the old court house in 1832. The land on which the present structure stands was purchased from Mr. Thomas Fraser, by the trustees, Dr. Skinner, David Crichton and Alexander McIntosh.

In 1823 a wooden building was erected, with the Rev. Kenneth John McKenzie as minister. He was succeeded by the Rev. Dr. Williamson, who was followed by Mr. Dunbar, missionary. The Rev. Dr. McGillivray, of McLellan's Mountain, for some time the only kirk minister in the County, paid occasional visits to the newly established congregation.

The Rev. Andrew Herdman was inducted into the charge in 1849, and continued his services for thirty years.

In 1866 the first stone and brick edifice, since burned, was built at a cost of \$32,000.00.

Since Mr. Herdman's demission, the Kirk has been presided over by five clergymen—Robert Burnett, John Callan, Robert Atkinson, Andrew Armit, and the present incumbent, W. T. D. Moss.

During Mr. Armit's ministry, in the autumn of 1893, the old building, so dear to the hearts of the worshippers, was destroyed by fire. But with a true devotion to the place so sanctified by the prayers and religious aspirations of their fathers, the work of reconstruction was immediately begun, and in November, 1895, the people were again worshipping on the old hallowed ground, in the splendid edifice which they now own as theirs.

"The Kirk" is a brick building, ecclesiastical in architecture, having a seating capacity of 900, with galleries, stained windows, and circular seats, finished in light oak.

The people, although loyal to their traditions, are singularly broad-spirited

and progressive. They are independent in their religious thinking and have a cultured devotional sense. Their loyalty to their sanctuary is similar to and surpassed only by that of the ancient Hebrew; and many who have made their homes in distant lands anoint their native place with a deep gratitude for nothing more than that they may once again worship in the "Auld Kirk."

The corner stone of the building, being that of the original structure destroyed by fire, contains encased in a brass casket, a bible, a copy of the "Standard," several other newspapers, an almanac, and a parchment with the following inscription:

"On Tuesday, the 3rd of July, A.D. 1866, Victoria the first, being Queen of the British Empire, Sir William Fenwick, of Koss, Baronet, Governor of Nova Scotia, and the Rev. Andrew Herdman, pastor of the congregation, is laid in the Town of Pictou, the Corner Stone of St. Andrew's Church, in connection with the Established Church of Scotland in Nova Scotia and Prince Edward Island, the synod of the Church being present: John R. Noonan, R. Doull, D. A. Fraser, and Anderson Henderson, building committee; and Owen Harvell, architect; the stone being laid by William Gordon.

CHURCH OF ENGLAND.

St. James' Church, Pictou, is prettily situated on Denoon street. The architecture is partly Gothic and partly modern, the building being very comfortable, with a seating capacity of nearly 300.

The early history of the parish dates back to the year 1823, the first church building being completed in 1828. The present building was erected in 1879, the old church proving too small for the needs of the parish at that time.

There have been seven Rectors: the first was the Rev. Charles Elliot, M.A. (Oxford), who was inducted in 1830, and who retained the Rectory until his death, Oct. 27th, 1871. The present Rector is the Rev. H. L. A. Almon, B.D.

The parish of St. James possesses a good Rectory house, built by the exertions of the ladies of the congregation during the latter years of Mr. Elliott's incumbency.

EPISCOPAL CHURCH.

This Presbyterian congregation had its origin in the disruption of the Church of Scotland in 1843.

A number of the members and adherents of St. Andrew's Church, Pictou, then in connection with the Established Church of Scotland, believing in the principles of the "Free Church," separated from this congregation and organized for the purpose of erecting a place of worship and calling a minister of the Free Church to be their pastor.

The first meeting of which any record has been preserved was held in the year 1846, in the house of Mr. William McLaren, the father of the McLaren families at present residing in Pictou. None of the fifteen present at that meeting are now living. During the first few years of its existence the congregation

worshipped in what is now called the "old court house," and were visited from time to time by some of the most distinguished ministers of the Free Church of Scotland.

The first settled pastor was Rev. Murdock Sutherland, of Scotland, who was inducted in the year 1853, and was compelled on account of ill health to return to his native land in 1857, where he shortly afterwards died.

The next pastor was Rev. Alex. Ross, now of Whycomagh, C.B., who ministered to the congregation for nearly nineteen years. He was succeeded by Rev. Jas. Carruthers, who was settled in 1880, and remained nearly five years, when he was called to Charlottetown, P.E.I. The present pastor, Rev. Geo. S. Carson, B.A., was settled on the 15th Sept., 1885.

The congregation consists of about 100 families, with a communion roll of 180. There is an efficient session of nine members, a board of managers, a Ladies' Missionary and Aid Society, Young Ladies' Mission Band, and a Y.P.S.C.E.

About six years ago the church was thoroughly renovated, the old seats taken out and new circular polished oak pews put in, and the interior otherwise altered and improved.

THE METHODIST CHURCH.

The Methodist Church in Pictou was organized in 1856. The building in which they now worship originally belonged to the United Evangelical denomination. This body having determined to cast its lot with the Methodists, deeded its property to the Conference of Eastern British America at the above mentioned date, and the Rev. Leonard Gaetz, afterwards pastor of St. James Street Church, Montreal, was the first minister. The present incumbent is the Rev. F. H. Wright.

GEORGE STREET CHRISTIAN CHURCH.

George Street Christian Church was organized the first Sunday in April, 1900. For several years previous to that date there had been preaching services held in George Street Hall, the congregation being ministered to, at different periods, by Geo. D. Weaver, now of Illinois; E. C. Ford, now of Halifax; R. E. Stevens, of Port Williams, N.S., who occupied the pulpit two years, and elder William Murray.

Since the organization of the congregation they have acquired the building in which they worship, expecting in the future to remodel and render it more suitable for religious work.

This young congregation, claiming no name but the divine, no creed but the Christ, starts off free from debt, and active in missionary work, both home and foreign. The present minister, W. H. Allen, is a recent graduate of the College of the Bible of Kentucky University, Lexington, Kentucky.

"STELLA MARIS."

R.C. Church, Glebe House and Convent.

The first Catholic Church in Pictou was erected about fifty-five or sixty

years ago. It was in Chapel street, and is still standing and occupied as a double tenement house. Previously to its erection the few Catholics in Pictou used to hear mass in the "Royal Oak," a house kept by a Mr. Connors. The present Church, "Stella Maris," was erected in the year 1865, during the incumbency of Father Ronald McDonald, who was made Bishop of Harbor Grace, Nfld., in the year 1891. His Lordship was succeeded in the parish of Pictou by his brother, Rev. Roderick McDonald, who was appointed to the parish of Ferrona in the autumn of 1892, his successor in Pictou being the present incumbent, Rev. John J. Chisholm. The Convent, "Stella Maris," as well as the Glebe House, was erected during the incumbency of Father Ronald McDonald. The Convent, which is in charge of the Sisters of the Congrégation de Notre Dame, Montréal, was opened in Sept., 1880. This is a boarding school, as well as a day school, for the girls of the parish, having ample accommodation for 35 or 40 boarders. English and French are taught in this institution, as are likewise, music, drawing and painting, etc. Its situation is one of the finest in the Maritime Provinces, commanding a view, as it does, not only of the beautiful and spacious harbor of Pictou, but likewise of St. George's Bay and the surrounding country.

The C.M.B.A., a mutual benefit society, has a branch in Pictou, with a membership of about thirty-five. Views of the Church, Glebe House and Convent are shown in the illustrated portion of this issue.

TRANSPORTATION.

Pictou is now connected with P. E. Island by daily boat of the Charlottetown Navigation Co., to Charlottetown. By S.S. "Amelia" to Georgetown and Souris once a week. By S.S. "Electra" to Murray Harbor, Georgetown, Montague and Murray Harbor South twice a week. To Magdalen Islands by S.S. "Amelia" once a week, calling at all the principal places on the Islands. To Cape Breton by S.S. "Amelia" once a week, to Port Hood, Mabou, Cheticamp, Margaree, Eastern Harbor and Pleasant Bay. S.S. "Arcadia" twice a week to Arisaig, Georgeville, in Antigonish Co., and Port Hood and Mabou in Cape Breton. To Quebec and Montreal, Charlottetown, Summerside, and intermediate points fortnightly by S.S. "Campana." To New Glasgow the S.S. "Alameda" runs daily at specified hours. To Pictou Landing by Steamer "Marlon," where connections are made with I.C.R. for Trenton and New Glasgow daily from 7 a.m. to 7 p.m. The Ice Boat, the S.S. "Minto," plies between Charlottetown all winter long, giving a good and satisfactory service.

THE INTERCOLONIAL.

Pictou is the terminus of the I.C.R. on the northern coast of Nova Scotia from Halifax. It is also the terminus of the Short Line Branch of the Intercolonial Railway, running from Oxford Junction through Oxford, Pugwash, Wallace, Tatamagouche, and River John to Pictou.

No less than fourteen trains arrive and depart daily from Pictou to various points. There are direct connections with all trains to and from the United States and Upper Provinces and with all steamboat lines running to and from Nova Scotia. Pictou is just 24 hours' ride by rail from Boston and 27 hours' from Montreal. It is 4 hours' run by rail to and from Halifax, between which point and Pictou there are now three trains daily each way. It is 2 hours' run from Truro, with which point there are four trains daily each way. It is 8 hours' run to and from Sydney, with which point there are two trains a day each way. Two trains run each way to and from Oxford Junction. On the opposite side of the harbor the I.C.R. runs down to Pictou Landing, where the coal piers of the Acadia Coal Company are situated, and with which connections are made from Pictou by the Steamer "Marion." There is also a line of railway running from Westville to Cranton, on the opposite side of the harbor to Pictou, to the shipping piers of the Intercolonial Coal Co., where that Company ship their coal.

A DISTRIBUTING POINT.

The port is also the distributing point of the immense coal deposits of the County, and is visited yearly by hundreds of steam and sailing vessels carrying coal to all the Provinces, and Montreal and Quebec. A large fleet of schooners run continuously and especially in the autumn to and from all the shipping points in P. E. Island, carrying the produce of the Island to Pictou for shipment by rail.

The port is also used as the distributing point for the dairy and cheese trade of P. E. Island, and it may be said that three-fourths of the lobster pack of the eastern portion of the Gulf of St. Lawrence is sent to Pictou for shipment to various rail points.

All the ore used by the Nova Scotia Steel Co., from their mines at Belle Isle, Newfoundland, is brought to the port by steamers for transshipment to the smelters of the Company at Ferrona.

The works of the Copper Crown Co. were located at Pictou by reason of the excellent position and splendid facilities for the receipt of ores both by steamer and rail from all points in the Maritime Provinces.

THE WATER FRONT.

The Government Railway runs along the whole water front of the town for a distance of about three miles, from the West River bridge to the works of the Copper Crown, immediately opposite the terminus of the I.C.R. at Pictou Landing, and is available for use for transportation of manufacturing and industrial products at almost every point on that distance. Along the greater portion of the distance there is deep water, and connections could be made by wharves at easy points. The extension lately made to the Copper Crown Co.'s works, past the Marine Railway, has opened up favorable locations for manufacturing at

almost every point, and with splendid rail and water facilities.

THE TERMINUS.

The terminus of the railway is at the east end of the town, and there are two wharves belonging to the railway department, from which there are good facilities for passenger accommodation, and which in the past have been adequate. The facilities for transportation of lumber and other freights are not as complete as the present importance of the town warrants, or its largely increased trade demands; but these matters must be dealt with at an early day by the Government, and largely increased means of transportation by the erection of wharves, and increased railway yard accommodation given in order to meet the demands of trade, and fill the necessities of this important shipping point.

EDUCATIONAL.

Pictou is justly celebrated for its excellent public schools. The work of the common school course is carried on by nine teachers, four in the old academy building at the west end of the town, and four in High Street School, at the east end, doing the work of the first seven grades of the provincial curriculum, and a preparatory department (grade viii.) in a room of the new Academy. The grading examinations, held at the end of each term, show a most gratifying state of efficiency in all departments, and it is safe to say that the work of these schools as a whole, is not excelled anywhere in the province.

PICTOU ACADEMY.

The County Academy has long been the pride of the town and County of Pictou. Its history begins long before the introduction of the present school system; it was founded to supply the place of an university for those who were unable to accept the religious tests or meet the expenses of a course at King's College, Windsor. How grandly it fulfilled the hopes of its supporters may be inferred from the fact that three of its first graduates, without further study and after an unusually severe examination, received the degree of M. A. from the University of Glasgow. Financial difficulties led to an appeal to the legislature, and a bitter disagreement upon the subject between the two houses, prolonged over many years, was one of the leading incidents in the struggle for responsible government in Nova Scotia. This period of its history ended in 1838, with the retirement of the first principal, Dr. Thomas McCulloch, but the institution has continued to hold the pre-eminence among the academies of the province.

From the earliest days the academy has offered exceptional facilities for scientific work, and these have been continuously expanded along modern lines. The present chemical laboratory 36 x 29 x 14, communicating by folding doors with a lecture room of equal size, is admirably adapted for its purpose. It has

a stone floor and contains three large working tables, fitted with sinks, drawers, closets, etc., and so arranged as to afford ample space for thirty-six students to work simultaneously. Each student is supplied free with apparatus, and a set of the most necessary reagents, the general stock being kept in a large closet in the room. To prevent injury from poisonous gases, the laboratory, besides being connected with the excellent ventilation system of the building, has a large fumes closet.

Directly above the chemical laboratory and science lecture room, and of equal size with them, are the museum and the biological and physical laboratory. The museum contains mounted specimens of most of our native birds and smaller wild animals, a splendid entomological collection, and a very full exhibit of the minerals of Nova Scotia and of the smaller store room, contains a large Dominion. The physical laboratory, used in conjunction with a smaller quantity of apparatus for illustrating class-work. Biological students, grouped for the purpose into small classes, have each the use of an excellent microscope and necessary accessories. Classes for practical scientific work are held almost every afternoon during the term.

The library contains, in addition to over a thousand volumes of older books, many of which are still valuable, about two hundred volumes of the best modern works of reference. By the generosity of the Academy Alumni Association, considerable additions are made each year. A complete set of Audubon's "Birds and Quadrupeds of North America" (original edition), was last year bequeathed to the Academy by the late James McKinlay, Esq. These volumes are valued at the present time at not less than one thousand dollars.

THE COURSE OF STUDY

for all classes is that prescribed by the Council of Public Instruction for N.S., embracing English, mathematics, science, classics and modern languages, and covers a period of four years. Students who have completed the third year course are admitted, without examination, into all N.S. colleges, and never fail to meet the matriculation tests of colleges elsewhere. Students of the fourth year or A class, are admitted, also without examination, into the second year class of N.S. colleges, and upon examination have been admitted to the same standing in leading American colleges, including Harvard.

The success of students in their later studies is generally regarded as a legitimate test of the character of their preparatory training. Judged by this standard, Pictou Academy has always taken a foremost position. To take the past year, for example, the following honors were won by graduates of the Academy:—In Dalhousie College, Halifax, two university medals for "High Honors in Classics," "High Honors in Philosophy," "Honors in Chemistry and Experimental Physics," The North British Society's Bursary, The Cameron prize in Zoology, The Senior Entrance

Scholarship. In McGill College, Montreal, the highest honors in Medicine in 1900, and the highest honors in Applied Science in 1899 were won by Pictou Academy students.

The appreciation in which the excellent work of the Academy is held throughout the province and beyond it is shown by the fact that over a hundred students are in attendance yearly from outside the town. Within the past two years every county in N.S., except two, (Queens and Digby), as well as several counties of New Brunswick, have been represented among its students.

THE AGRICULTURAL SIDE OF PICTOU COUNTY.

Owing to the prominent position in which Pictou County stands to the outside world as a producer of coal, iron and other mineral products, it may be concluded that these comprise its only means of wealth. This, however, is not the case, for notwithstanding the immense mineral wealth which it contains, it will be found by comparison, even with other counties in the province having the reputation of leading in agriculture, that,—with the exception of fruit, cheese and probably vegetables,—this County stands at the top as a producer of all kinds of agricultural products, including live stock. And when further comparison is made in the way of aggregate percentages, it excels sufficiently in many of the items over all others as to overbalance those exceptions in which it falls behind, and stands in the very first rank.

When the early settlers, in the latter part of the eighteenth century, reached its shores, they found a land bearing evidence of its fertility, not in rocks and barren waste, but in magnificent forests covering its many hills, and abundance of meadow and intervale lands along the many beautiful streams.

These forests and streams, at the time they arrived, afforded them their only means of living, but in a very short space of time each settler transformed his allotted grant of land into fields and plots producing potatoes, oats and other agricultural products.

Of course it is not to be wondered at that

THE SPLENDID TIMBER

of all kinds which the county produced, affording as it did the only article of trade and barter, would naturally occupy a considerable portion of the pioneers' attention. But, notwithstanding this fact, the agricultural part of their operations were certainly by far the most important. A strong evidence of this may be found in the fact that as early as the year 1817 an agricultural society was formed at West River, according to the rules of which none but bona-fide farmers could become members, and then on payment of five shillings. Another rule provided for a fine to be imposed on any one introducing or discussing any subject inconsistent with the objects of the society at its meetings.

In later years other societies sprang up and the name of the one referred to was changed to

THE PICTOU AGRICULTURAL SOCIETY,

which has continued in active existence ever since to the present moment.

During the year 1899 there were no less than nineteen (19) agricultural societies in active operation within the county. These societies show a total membership of 1,033, and have contributed in annual dues the sum of \$1,196.75, which with \$1,474.26 received in grants from the Provincial Government, has been expended within the year in improving live stock, importation of new varieties of seeds, improved farming machinery, and in other ways calculated to promote the agricultural interests of the County.

The County ranking next highest in this respect shows eleven societies, so that in so far as this is an evidence of agricultural importance, Pictou County is entitled to first place. It must be admitted that the lumbering, ship building, mining, and other occupations so extensively carried on within the County in past years, have to a considerable extent retarded the growth of the agricultural industry. For it is a well known fact that the undivided attention of those engaged in any industry is absolutely necessary to its success. In this way too many exhausted farms are in evidence. For although the great bulk of the soil of the County was naturally very rich, it cannot be wondered at that after having to respond to six, ten, and even twelve years of continuous cropping, as in some instances has been done, it should become impoverished. But although farmers generally have the reputation of being slow to learn, they come to it in time, and there is abundant evidence that the farmers of this County have, especially within recent years, been applying more enlightened methods in dealing with the soil and in all departments of their work. Various methods, of course, prevail in dealing with the soil, which need not be enlarged upon, but it may be interesting to some at least to give the method followed by

MR. WILLIAM MCKAY,

of West River Road, on a plot of 10 acres, which forms only a small part of his very extensive farm, and which is the subject of one of our illustrations. The plot is divided into three parts of about 3¼ acres each, on which clover, roots and wheat are grown in the order named. He sows with the wheat about 8 lbs. clover, and 8 lbs. timothy per acre; in case Alsike clover is used 2 to 3 lbs. are sown instead. The second or after crop of clover is plowed down in the fall, and always across the way in which he intends drilling in the spring.

In the spring he harrows well with spring tooth harrows and drills lightly, so as not to disturb the sod. A fair quantity of manure is put in the drills. As this is done every third year to each plot, it will readily be seen that he must be gaining in fertility.

He does not plough for wheat (which follows the root crop) but simply harrows it in. The average yield from this 10 acre plot for the past seven years has been as follows:

2,000 bush. roots.

12½ tons clover and timothy.

100 bush. wheat.

In addition to the quantity of roots given above, he always has from a half to three-quarters of an acre of cabbage on the portion under root crop.

HILLS AND STREAMS.

The numerous hills and streams within the County are very clearly indicated by the names given to various districts, as, for example: Hills:—Scotch, Hardwood, Rogers, Green, Beach, White, etc. Mountains:—Mount Dalhousie, Thom, Fraser's, McLellan's, William, Blue, Irish, Fitzpatrick's, Weavers', etc., and Rivers:—West, Middle, East, Barney's, French, Toney, Carribou, Black, Moose, Sutherlands, etc., and Brooks:—Saw Mill, 8 mile, 6 mile, 4 mile, Bailey's, Hunter's, Horn's, Mill, Lyons', etc.

As already stated, these names of mountains, hills, etc., are applied to districts, and comprise some of the best farming lands in the County.

The mountains named are easily accessible, and are, without exception, rich in soil, and generally cultivated. Many of the early settlers, while becoming down hearted with the heavy task of clearing the land, used to climb to the top of some giant white pine or spruce, and the magnificent landscape view thus obtained lent courage to his heart and strength to his arm.

It may safely be claimed that in no land can more beautiful views of natural scenery be obtained than from the top of any one of these prominences, for nature seems to have so placed them that one does not interfere with the outlook from the other, and the variety of hill, dale, and winding stream, with the Straits of Northumberland forming as it does nearly one-half of its boundary line, affords a picture hard to be surpassed, and no doubt accounts to a large extent for the proverbial love of the old homestead, and also the long life attained by the people generally.

In addition to this feature these hills and streams are the natural home for all kinds of live stock, furnishing as they do an abundance of pasture and water, and for sheep raising especially no better conditions can be found.

MARKETS.

In the matter of markets the fact of there being four incorporated towns and some ten villages within the County, the farmer, in very few instances, has more than a few miles to travel to dispose of his products, while the prices obtained are generally quite as good as can be obtained elsewhere.

The educational advantages which prevail throughout the entire County are also of the very best and within easy access to all its inhabitants.

The people are largely of Scotch descent, but whether Scotch, English, Irish, or of other nationalities, the same

spirit of hospitality for which they are so universally noted prevails. The stranger is always welcome, and if he be a new settler in the district, he is sure to receive that sympathy and open-hearted neighborliness which go so far to making country life a pleasant one.

THE COPPER CROWN MINING CO. AND SMELTING WORKS.

The Copper Crown Mining Co., of Pictou, Nova Scotia, designates as far reaching and as important an industrial development as any of the many great enterprises which have of recent date been attracted to Canada, on account of the country's magnificent resources. This Corporation and Company of American capitalists have been interested largely in the copper fields of the Province of Nova Scotia, and in developing the same for a period of some years. The work has been prosecuted steadily, albeit quietly and without ostentation, as becomes men who desire to begin public operations in a manner, and only when preliminary investigation is complete and the result is sure. Having carefully and scientifically prospected the province for copper bearing areas and proved the ground, The Copper Crown Mining Co. is now prepared to go beyond the exploiting point, and through the means of its magnificent smelting plant, erected here on Pictou Harbor, it is treating copper ores from all parts of Nova Scotia and Newfoundland. Owners of copper mines are thus encouraged to develop their holdings, having at hand, so to speak, the means of realizing upon their ore, through the medium of the furnaces and service of this smelting concern here at Pictou. The Company's plans are complete. It not only is the owner of vast areas of copper ore, secured during the several years of preliminary prospecting and exploiting preceding the erection of its great plant for smelting, but its plans include the purchasing of ore from those numerous copper mine owners in its field of operation and the handling of concentrates, etc., as well. Hitherto the copper mining industry of Nova Scotia has languished owing to the disability it suffered by necessity of having to transport the ore long distances for the purpose of being smelted, as, for example, to Swansea, Wales, or other equally far removed points. The Company's procedure in buying ore at its works is fairness and simplicity personified. The owner of ore delivers his product, just as he would a cargo of wheat which he desired to have ground into flour at a grist mill, and the Company takes a smelting charge and either returns the refined product to him, less that charge, or if he prefers, pays him the cash at the ruling market price, with this difference, i.e., that before the work of smelting is begun an analysis of the ore is made by the Company's analyst, and upon the value of the quantity thus analyzed, the whole cargo or consignment of ore is gauged by weight. When this is complete the seller of the ore is given a sample of the portion of ore analyzed. The Company takes a sample, and a

sample of the same is sealed up and kept for future settlement of dispute, should any arise, by a disinterested arbitrator, by whose decision the parties are bound. Copper ore frequently carries a portion of other metals, much gold being contained therein. The chemist and assayer separates all the metals, and the purchase by the Company includes everything, copper and gold, etc., just as described. Could anything be fairer, or promise better for those miners of metals in Nova Scotia? The future of the whole province must be greatly influenced by this Company's operations, and this applies with particular force to Pictou. The smelting works are located within the corporation limits, directly, of course, upon the harbor front, with modern docks, sufficiently extensive to accommodate vessels of deepest draft, and the reduction works have direct connection also with the Intercolonial R.R., the iron extending into the ore sheds and to all portions of the Company's property. It is particularly important that all people interested in and connected with the mining interests of the Maritime Provinces, Quebec and Ontario should know that all ores and precious metals, including gold, gold concentrates, silver, and copper, also lead, will be handled and treated here, and that the Copper Crown Mining Co., of Pictou, is prepared to make assays, tests, examine properties, do custom smelting, or to buy ores outright at a fair valuation, based upon the ruling markets. Assays made by this Company are guaranteed to equal in accuracy any made in America's greatest laboratories. The works, sheds, yards, and offices of the Company are located upon a tract of 30 acres of land contributed by the Corporation of Pictou, fronting on deep water, with direct communication to the main line of the I.C.R. The buildings cover an area of 250 x 350 feet, with ample crushing and sampling plant, capable of handling 150 tons per day. Also calcining.

Smelting furnaces, with a capacity of 75 tons per day, planned looking to an increased capacity of 500 tons, or to any extent required. This institution will be the means of supplying the home market with refined copper, and this alone means a vast good to the whole of Canada, the source of supply at present being entirely foreign. The Company is in control of several mines in the province, which are at present under its operation and are being rapidly developed to the point of large and steady producers. The products from these and the custom ores received at the smelting works promise that a large increase in capacity at the plant will be in order.

The Company is capitalized at \$1,000,000. The stock is all sold and is held chiefly in the New England States and London, England, except a block of treasury stock exceeding \$100,000 held for use in further development, if needed. The officers and directors of the Copper Crown Co., are as follows:—Frank Barndollar, President; S. K. Page, Vice-President and Manager; Geo. B. Holden, Treasurer; H. B. Holden, Secretary; E. H. Guild, Assistant Manager, and W.

H. Kennon, Supt. Smelting Works.

The great mineral development of Nova Scotia, as promised by the establishment of this industry here, is a matter which can hardly be overestimated, and one cannot refrain from enthusiastic admiration for the systematic methods pursued by its promoters and backers. "The Review" cordially endorses the general feeling of all citizens of this district, in feeling certain of its success and prosperity; quite aside from the view which its coming has opened up for numerous kindred industries and manufactures.

WESTVILLE, N.S. Pictou County.

Westville is one of the largest and most important centres in Pictou County, N.S. It is located upon the line of Intercolonial Railway between Pictou and Stellarton—eleven and three miles distant respectively—and stands to profit next to those towns, if not equally, first with Pictou by reason of its unrivalled seaward position, and secondly, with Stellarton on account of the fact that the latter is the rail centre of this portion of Nova Scotia. It is but 42 miles distant from Truro, N.S., and its western connections. Train service from Halifax to the Sydneys is the same as Pictou and Stellarton (see facts under those headings). Westville is the very centre of the coal mining industry of Pictou County, as exemplified by the Acadian and Intercolonial Coal Mining Co.'s, the combined output of whose collieries exceed the sum of 500,000 tons annually. (In this article will be found full statements of same from Mr. Fergie, of the Drummond Colliery, and Mr. Poole, of the Acadia Coal Co.)

Its population is about 3,000, with a school population of about 1,000. The town has six churches and eleven schools; the latter embracing a fine high, or central school building. Westville citizens are of a class which display energy and spirit in all they do, be it of a business or social nature. Express, telegraph, telephone, electric light and a splendid water service, combined with other up-to-date facilities, render life here to the citizens one of great comfort and convenience.

"THE FREE LANCE"

newspaper is a publication of which Westville may be pardonably proud. Its intelligent interest in all matters, municipal and social, places it in the front rank amongst the press of the County, which in its entirety embraces some ten or twelve newspapers. This newspaper was instituted by the present Mayor of Westville, Robt. G. Macdonald, and is at present owned and edited by Mr. J. W. H. Sutherland, who is interested in employ with the Intercolonial Coal Co., Limited. Advertisers who wish to reach this industrial population will find the "Free Lance," of Westville, N.S., a very valuable medium.

WAGES.

The wages paid here annually by the

great coal operators will reach to the round sum of nearly \$400,000. The social life of the town of Westville is of a high order, not to say that the quality of the frivolous enters largely into it; but rather that men and women enjoy amenities, which on account of their fraternal character are most creditable and desirable. Fraternal societies abound, scarcely any one of the great associations of the age which look to a betterment of mankind, but finds this town and vicinity a most fruitful and congenial field for operation. A. F. & A. M., I.O.O.F., Knights of Pythias, L.O.L., I.O.F., C.M.B.A., etc., ad infinitum.

Sports of every legitimate sort are literally encouraged, and it is no unusual thing for Westville champions to rank high in contests with others of the district. Altogether, Westville, N.S., is a very interesting municipality, and from its position and the extent of its natural resources, its future would seem to be assured. The Department of Railways and Canals at Ottawa has taken preliminary steps looking to the erection of a large passenger and freight depot here. This will be pushed to an early completion, and the people of Westville distinctly stand by this expectation.

MUNICIPAL FACTS.

Westville's annual assessment for 1900 is only \$520,000. The rate struck upon this ridiculously low assessment is only 27 mills. The debenture debt of the town is \$75,000, \$60,000 of which is represented by the asset of the town water works, and \$15,000 for the new High School building. It has a sinking fund of 3% newly established.

The water works system here is a unique one. The supply comes from Middle River, and the power of the pumps is always applied direct to the system, the residue going into a large reservoir, that is to say, the water passes through the mains all over the town and the supply is used by the people as it passes through, while the reservoir, having a capacity of 2,750,000 gallons, acts merely and only as a reserve. The pressure at all times exceeds 100 lbs. to the square inch, whether from the pumps direct or from the reservoir in return. One hundred feet straight up is a very common capacity from the hose. There are some ten miles of mains, averaging in size about 8 in., ranging from 4 to 12 inches. Fifty hydrants are judiciously placed about the streets. The water works are self-supporting.

The fire brigade comprises a total force of 30 paid men, who receive a yearly salary, fire suits, and exemptions.

It is worth while to note that the assessment imposed upon property in Westville is, one might say, ridiculously low. This is so because of the county rate, which is very meagre also. As it is now the four towns of Pictou, Stellarton, Westville and New Glasgow, contribute nearly 40% of the entire county rate, and it would thus be suicidal for the towns to increase the rate of assessment, unless the county authorities did likewise in proportion, so the very low property assessment is reasonable. To

show how low it is in Westville, it may be said, that the Acadia Coal Co. property in the town is only assessed at \$40,000, while it is said to be valued at three-quarters of a million. The Intercolonial Coal Co.'s property in the town is assessed at \$55,000, while it is said to be worth at least a million dollars. While a prominent citizen, whose holdings are actually worth \$35,000, is assessed at \$3,500. Upon the score of economy all this is admirable, but it would appear a false score in the face of a lamentable lack of many things which go to make municipal life appreciable and a municipality ornate and beautiful. Public libraries, healthful and cheerful parks for the people, good roadways and pavements and substantial town and city buildings are really of greater importance and value to a corporation and its citizens than a few dollars more or less of increase or saving of taxation can possibly be.

These suggestions are offered to the people of Westville and Pictou for what they are worth.

THE HOTEL DUFFERIN. Westville, N.S.

The Hotel Dufferin at Westville is owned and conducted by Wm. McDonald, Esq. Amongst the hotels of Pictou County the Dufferin holds an honorable position. Travellers are met at every train by a comfortable conveyance, their baggage handled with care, and a train is never missed. The house is a combination of hostelry and home, the proprietor and his family being people of superior social qualities and refinement. Mr. McDonald himself is a great, big, gentlemanly host, whose welcome is as honestly hearty as his fare is good. He has an interesting family of sons and a daughter, every one of whom, he sees to it, has the advantage of education and culture. His eldest son, Dr. W. F. McDonald, has just graduated at McGill College, the president of his class. Another son is taking a course in the sciences there also, while a daughter is attending the Ladies' College at Halifax. Mr. and Mrs. McDonald take great pride in the progress of their children, all of whom are natives of Westville, and born in the same house. A word of appreciation for the Hotel Dufferin is but just meed, as it is deserving.

G. E. MUNRO, ESQ., Wholesale and Retail Merchant.

Mr. Geo. E. Munro is a merchant who fully meets the ideal of hopes which animates every body of people, and every municipality in the country. He could conduct a small business well and profitably under conditions which would not admit of expansion, but this capacity has appeared to him merely as an evidence of greater ability, and like the man of affairs he is, he has allowed himself to grow in business conception, in step with his opportunities. His present turn-over exceeds \$200,000 annually, and he is now engaged in building large additional premises. His new store, now under construction, will cover an area of 30 x 100 feet, 2 stories high, with a wing,

20 x 50 feet, and a large warehouse for the storage of flour, feed and provisions. The total floor space occupied by Mr. Munro's extensive stores, when the new buildings are completed, will exceed 12,000 square feet. The stock carried in this immense business will include every line of goods commonly sold in the largest departmental stores of Montreal and Toronto. Mr. Munro imports for himself, from British, German, French and American markets, those items which cannot be had from Canadian manufacturers, but in all lines of prints and cottons, furniture, carpets, oilcloths, etc., and in the line of groceries, including sugars, etc., he will handle the goods made in Canada if possible. Westville was fortunate in having this gentleman as its first Mayor, and the citizens showed their appreciation to the extent of returning him to the civic chair four times in succession. The business in question is one which would grace very much larger centres than this, and accordingly is of great credit to this town.

ROBERT A. MACDONALD, General Merchant.

The present Mayor of Westville, Mr. Robert A. Macdonald, is one of the town's most reliable and able merchants. In fact, to his well known ability as a business man, and to his undoubted probity as a citizen, he is indebted for his municipal prominence, and the very general confidence which his fellow citizens repose in him. He occupies the civic chair now for the second time, by a large majority of the voters of the town. He is a prominent member of the fraternal organizations, taking an active interest in the general life of the people, fraternally and socially. Mr. Macdonald has been in business in Westville for a period of 17 years. His store is stocked with a fine line of dry and dress goods, ladies' wear, haberdashery, boots and shoes, groceries, hardware, crockery and glass ware, house furnishings, including carpets, curtains, etc., and, in fact, every article of sale which can possibly be required. His store is headquarters for gun goods and sporting gear generally. He handles agricultural implements and workman's tools of all sorts. Mining (gold) and farming occupy much of his energies and attention also, and to show his great versatility, it may be recorded, that he has been a successful publisher as well. The "Free Lance," Westville's wide awake journal, was inaugurated and conducted by Mr. Macdonald for some time, when his other interests becoming too extensive to admit of his attention being unduly divided, he sold his paper. It finally came into the hands of Mr. J. W. H. Sutherland, the present proprietor. A photo of Mayor Macdonald appears in this issue.

MCKEAN & CO., Merchant Tailors.

This concern is composed of C. R. and J. D. McKean. The latter gentleman was in business alone in the same line for several years preceding the establishment of the present firm, which opened under the above name some-

thing like eighteen months ago. Messrs. McKean & Co. import material for their custom trade from the Old Country, as well as using a very wide range of Canadian tweeds and homespuns, worsteds, tweeds and trouserings. Goods of great variety are comprised in this firm's stock. Oxford and Scotch tweeds being standards. Messrs. McKean & Co. are sole agents here for Pyke and Blenheim serges. Altogether this business is of a character calculated to represent the best business interests of Pictou County and Westville.

A. R. MUNRO,
General Merchant,
Westville, N.S.

Mr. Munro has been engaged in general merchandise in Westville for ten years. His two stores exemplify the various lines of trade, as follows:—A general stock of groceries and provisions, including teas and coffees and high class goods, dry goods, gentlemen's furnishings, a full line of ladies' wear, crockery, enamelled ware, boots and shoes, hats and caps, flour, feed and provisions, carpets, house furnishings, oils, fertilizers, and a full line of seeds.

Flour and provisions, purchased from Upper Canada producers. He buys seeds from W. Rennie, Toronto; feed, etc., from Plattsville Milling Co., Ontario. Mr. Munro has lately found that his original store was too small for his growing trade, so he has opened a branch store in town, exclusively for the sale of dry goods and ladies' wear. This marks him as a man who can promptly meet demands upon him. Mr. Munro is an ex-councillor of Westville, and as a citizen he is much appreciated by the people.

SUTHERLAND & CO.

One of the youngest of Westville's business houses, having been established some two and a half years; in that time by energy and push and a keen interest in the needs of their patrons they have worked into the front rank, have a large and steadily increasing trade and are now firmly established as an up-to-date business concern.

They carry the largest and best assortment of footwear and dry goods to be found in the town, and one that compares favorably with any similar stock in the County. They have the best arranged and most modern store in town, their methods are up-to-date, and they keep abreast of the times. By selling good goods at right prices and by treating their customers courteously they are justly popular.

The firm is composed of J. R. H. Sutherland and Frank G. Konig, both well known in the community. Mr. Sutherland has had several years' experience in the boot and shoe business, having travelled for four and a half years, two of them for the Whitham Shoe Co., of Montreal. He is counted a good shoe man and a shrewd buyer. Mr. Konig has been in the dry goods business all his life, and what he does not know about this line is not worth knowing. He is a good buyer and a splendid sales-

man, and is very popular with the purchasing public. Both members of the firm are young men who are not afraid of work and who pay close attention to business. They are therefore bound to succeed.

THE DRUMMOND COLLIERY.

The Drummond Colliery is situated at Westville, in the County of Pictou, Nova Scotia, and is owned by the Intercolonial Coal Mining Company of Montreal. It has a coal area of 2 3/4 square miles. Four workable seams have been proved on this area, but the main and second seams only are worked, the third and fourth being intact.

THE MAIN SEAM

is worked by slopes, 12 ft. wide by 8 ft. high, having an average dip of 16 degrees, and being 5,600 feet in length. The No. 1 slope is used exclusively for hoisting coal, the No. 2 slope for lowering and raising men, also for dropping down timber, materials, etc., and hoisting the second seam coal.

The main seam coal is classed as bituminous and coking coal. It is used for steam and domestic purposes, and for coke and iron making. It makes a lasting fire and is free from clinker. It is used extensively by the Nova Scotia Steel Co., New Glasgow, N.S.; the Londonderry Iron Co., Londonderry, N.S.; by the several rolling mills at Montreal, Que.; on the government and other railways, and for bunkering ocean steamers at the port of Halifax, N.S. It also finds an ever increasing demand for domestic purposes.

The following is an

AVERAGE ANALYSIS

of the main seam made by Mr. H. F. Mason, Analytical Chemist, Halifax, N.S.:

Moisture lost at 110 deg. C.	1.76%
Volatile Matter	22.34
Fixed Carbon	68.70
Ash	7.20
Specific Gravity	1.3
Total Sulphur	0.84%

Composition of Ash.

Silica	81.40
Alumina	12.
Ferric Oxide	4.66
Lime	0.90
Phosphoric Oxide	0.95
Magnesia	Trace.
Sulphuric Oxide	Trace.
Evaporative Power: one pound of coal on complete combustion will evaporate 13.86 lbs. of water.	

ANALYSIS OF COKE.

The following analysis of coke, made by Mr. F. H. Mason, is from main seam coal:—

Moisture lost at 110 deg. C.	1.04%
Volatile Matter	0.66
Fixed Carbon	86.71
Ash	11.59
Sulphur	0.6376%
Phosphorus	0.0546%

The Second Seam is a non-coking coal, having the following analysis:—

Moisture lost at 110 deg. C.	0.10%
Volatile Matter	24.30
Fixed Carbon	63.83
Ash	11.77
Sulphur	1.37%
Phosphorous	Trace.
Specific Gravity	1.42
Evaporative power . 1 lb of coal on complete combustion will evaporate 12.1 lbs. of water. The coal gives a light, buff-colored ash.	

METHOD OF WORKING.

The dip of the strata is 80 deg. north-east, 16 to 23 deg. The main seam is worked by longwall. Back balances are driven to the full pitch of the seam, 300 to 400 feet apart, from which gate-roads are turned off at right angles every 45 feet, and carried on until cut off by the workings of the next back balance. No explosives whatever are used, the coal being worked by maul and wedge. The overlying measures consist wholly of blue shales. The vertical cover at the face of the slope is 1,400 feet.

VENTILATION.

The mine is a fiery one and constant attention and care have to be exercised regarding the ventilation. No naked lights are allowed in any part of the mine or on the main slopes, and safety lamps of the Marsaut type are used. The lamps are the property of the company and are not taken home by the miners, but are cleaned and tested after each day's work at the colliery; each lamp is numbered correspondingly with a number entered in a book against each workman's name, and they are not allowed to exchange lamps. Two gauzes are used in each lamp, and the glass beds on an asbestos ring both at top and bottom. Before being allowed to proceed down the slope each workman must present his lamp to an over-man for examination, and if it is found all right he is allowed to pass on, but on reaching the bottom of the slope, and before being allowed in the working places, his lamp must undergo a further inspection by a deputy appointed for that purpose, and should the lamp be found in any way defective it must be returned to the surface without delay. For detecting small percentages of gas in the main return airways the Shaw Gas Tester, which is capable of detecting the one-tenth of one per cent. of gas in the air, is used.

The ventilation is produced by a Walker "indestructible" fan, 18 feet in diameter by 6 feet wide. This is driven by a twin compound engine with 17 and 27-inch cylinders and 36-inch stroke, expansive cut off. The power is communicated to the fan by six cotton ropes. The engine makes 60 revolutions per minute and the fan 120 revolutions. At this speed and with a 3-inch water gauge the makers give a guaranteed capacity of 200,000 cubic feet. At present, owing to the upcast being very much contracted—and which is just about to be enlarged—the fan is producing 160,000 cubic feet of air per minute, with a water gauge of 4.1 inches.

The second seam lies 120 feet below the main seam, is 12 feet thick and 6 to

8 feet is worked. It is worked on the pillar and stall system. No explosives are used and none but safety lamps are allowed in the mine. This mine is ventilated by a 20 ft. x 6 ft. wide Guibal fan, driven direct by an engine having 16 inch cylinder by 24 inch stroke. With the engine and fan running at a speed of 65 revolutions per minute the fan produces 70,000 cubic feet of air per minute, with a water gauge of 1.4 inches. A steam jet is provided as an alternative and is capable of producing 20,000 cubic feet of air per minute.

WINDING.

The winding and hauling engines are set back in a direct line with the slopes. The No. 1 engine has two horizontal cylinders 28" diameter by 5' stroke, balanced piston valves and a pair of plain drums 10' in diameter by 3' 6" wide. These drums are now fixed on the shaft and balanced, but they can be run independently. They are equipped with the Lane friction gear for use when necessary. The No. 2 winding engine has two horizontal cylinders 16" diameter by 3' stroke, V friction geared 2 to 1, and two drums 8' diameter work singly or connected. The hauling ropes on the No. 1 slope are plough steel, 3 $\frac{1}{2}$ " in circumference, patent flattened strand ropes, made by Latch & Batchelor, Ltd., of Birmingham, England. They have a breaking strain of 54 tons per square inch. When hoisting they bring up a load of 14 tons, 8 cwt., exclusive of the weight of the rope, at an average speed of 15 to 20 miles an hour. The rope on the No. 2 slope is also plough steel, 2 $\frac{3}{4}$ " circumference. The back balance ropes used underground are steel, 2" in circumference, manufactured by the Dominion Wire Rope Co., Ltd., Montreal.

BOILERS.

Consist of two Stirling water tube boilers of a capacity of 300 horse-power, working at a pressure of 120 lbs.; the feed water for which passes through a vertical heater, being raised to a temperature of 200 deg. F. before entering the boiler. Four Heine water tube boilers, of a total capacity of 750 horse power, working at a pressure of 80 lbs. Two 2-flued horizontal steel boilers, each 30' by 5' 6" diameter; flues 1' 10" diameter; 3 egg-end steel boilers each 30' by 3' 6" diameter, all working at a pressure of 80 lbs. per square inch. The feed water is passed through a heater and delivered to the boilers at a temperature of 190 deg. F.

SCREENS.

The screens consist of 3 tippers, 3 shaking screens and 3 travelling picking bands. Each tippler is driven by power, the coal being thrown backwards over the sides of the boxes upon a shaking screen of wire cloth with a square mesh. It has a screening surface 10' 6" long, 4' 6" wide, separating the coal into two sizes, large and small. The large coal passes over to the travelling picking band 4' wide and 40' long, on which it is cleaned. At the front end of this is an

apron, arranged to rise and fall by means of counter-weights. This apron is below the level of the car when empty, and as the loading proceeds the apron is raised. At the front end of the apron is a movable holder, actuated by a wheel and worm gear, which prevents a too rapid fall of coal into the cars, thus reducing the breakage of coal to a minimum. The small coal passing through the shaker screens is carried away by a conveyor, 70 feet long, then elevated 30 feet and delivered into a revolving screen, 16' long by 6' diameter, which separates the coal into three classes, nut, pea and coking coal. Arrangement is provided for separating the egg coal from the round when required. The nut coal, after leaving the revolving screen, passes on to a picking belt, 20' long by 2' wide, on which it is cleaned, etc.

UNDERGROUND RAILLAGE.

Mechanical haulage is not adopted underground excepting by self acting back balances which drop the coal from the berds and pillars to the main levels. From these points the coal is taken to the hoisting slopes by horses, twelve of which are employed.

PUMPING.

Three pumps are employed to effect drainage. No. 1 is a Knowles straight line compound plunger pump, with 8" and 14" cylinders and 6" plungers, with a 24" stroke. It is equipped with an independent condenser and works against a vertical lift of 347 feet. The column pipe is of cast iron, 10" in diameter. This pump is at the foot of a shaft and is driven by steam. No. 2 pump is a Northey duplex straight line compound plunger pump, with 11" cylinders, 4 $\frac{1}{2}$ " plungers and 18" stroke. Its vertical lift is 600 feet. This pump is driven by compressed air. No. 3 pump is a Knowles rotary pump (fly wheel plunger), 14" cylinder, 5" plunger, 18" stroke. Its vertical lift is 450 feet.

AIR COMPRESSOR.

The air compressor is under the same roof as the Walker fan. It is a duplex compressor, 18" x 30", steam cylinders 16" x 26" x 30", built by the Canadian Rand Drill Co., Sherbrooke, Que.

MINE CARS.

The mine cars are of wood, 4' 2" long by 2' 2" wide by 2' 6" deep and carry 12 cwt. of coal. The wheels are steel, made by the Hadfield's Steel Foundry Co., Sheffield, England. They are 12" in diameter, fast to the axle, which is 1 $\frac{1}{2}$ " diameter, and also steel. The bearings are cast steel.

WORKSHOPS.

The workshops consist of a carpenter's shop, blacksmiths' shop, car shop, machine shop and saw mill. The machine shop contains lathes, drilling, screwing and pipe-cutting machines. The carpenter's shop has a wood-working lathe, boring machine, and double sand-papering

belt, used for finishing pick and maul handles, which were formerly finished by hand. The saw mill contains a travelling rotary saw and cross cut bench saw, drilling machine and a notching machine for cutting grooves in edge rail sleepers. This machine cuts and grooves 60 sleepers per hour, when formerly cut by hand they were turned out at the rate of 10 per hour per man.

COKE OVENS.

Twenty coke ovens of the plain beehive pattern are built in a double range, each oven being 12' diameter and 6' high. A charge consists of 5 tons of washed coal. The coal is sized before washing to pass through a $\frac{3}{8}$ " screen. The ovens are drawn every 60 to 72 hours, and the average yield of coke is 3 tons, 4 cwt. per oven per charge. The coke is hard, compact, light steel gray color, and withstands a heavy burden in the furnace. The coal used for making coke is the fine screenings, and is washed in a Robinson washer, capable of treating 100 tons in ten hours. What coal will not pass through a $\frac{3}{8}$ " square mesh passes on and is treated by a Sheppard dead weight crusher, which reduces it to the required size.

BANKHEAD.

The bankhead is constructed of wood and is 24 feet above rail level. The coal is hoisted in trips of 16 cars, which are landed on the bankhead, or trestle, and the chain taken off with the boxes in motion, which carries them around to a creeper chain, and they are there elevated 4 feet. From this they fall by gravity and are switched back automatically to either tippler as required. The stone and dirt from the mine is switched off on to a separate road and the cars run by gravity to the waste dump.

The workshops, engine houses, bankhead and surface works generally are all lighted by incandescent electric lights, and no oil lamps are permitted.

Improved fire extinguishers are placed in the buildings and workshops. Hydrants in connection with the town water works are placed opposite the workshops and main buildings, and also on the tipple. These are under a constant steady pressure of 75 lbs. to the square inch and ample rubber hose and fittings are supplied.

ROLLING STOCK.

The rolling stock used in transporting the product of the mines consists of two locomotives and 200 hopper cars of two tons capacity each. No. 1 locomotive is a Mogul Forney engine, with 3 pairs of wheels coupled and a four-wheel Bawing truck. The cylinders are 17" x 24", and the drivers 54" diameter. The total wheel base of the engine is 29 feet. Its total weight in working order is 118,000 lbs. The steam pressure used is 160 lbs. per square inch. This locomotive was built in Rhode Island. No. 2 is a shunter, and is a side tank locomotive with cylinders 14" x 22", 3-wheel coupled, pressure of steam 110 lbs. weight 62,000 lbs.

SHIPPING PIER.

The shipping pier is situated at Gran- ton on the Middle River, 7 miles north of the mines, and 3½ miles up the river from Pictou harbor, it is connected by a line of railway owned and operated by the company. Steamers of 3,000 tons capacity load here. A branch line from the colliery intersects the Intercolonial Railway at Westville, which furnishes an outlet for the supply of ocean steamers at Halifax, Nova Scotia, and other shipments from that port, as well as providing facilities for the delivery of coal to any points on the Intercolonial Rail- way and connecting lines where sales can be made.

LABOR.

The mine finds employment for some 650 men and boys, 475 of these being en- gaged underground and 175 on the sur- face. The present output averages 22,000 tons a month, and after the second seam is more fully developed an aver- age of 30,000 can be accomplished if so desired. Distant some 800 feet to the south of the main slope is what is known as No. 4 slope and which has been closed down for the past three years; this is now being re-opened and laid with 40 lbs. rails and will be used to win a large area of coal lying to the south of the main slope old works aban- doned many years ago, and which will very shortly considerably supplement the present output.

The pay roll of the mine averages \$22,000 per month, and the Nova Scotia Government is paid a royalty of ten cents per ton on all coal sold.

The shipments for the year ending 31st December, 1899, were:—

Rail 132,000 tons.
Water 68,000 tons.

Total 200,000 tons.

STELLARTON, N.S.

Pictou County.

Pictou County is largely made up of flourishing municipalities, none of which enjoy a greater degree of prosperity, both present and prospective, than does Stellarton. It is the railroad centre and entrepot of the county beyond dispute. Every train which runs in Pictou County touches at Stellarton going or coming or both. The town has a population of about, 3,000, which is growing larger rapidly. It lies 14 miles south from the harbor at Pictou, and is in the very midst of the coal fields of this district. Just here are located the pits of the Acadian Coal Mining Company, the of- fices of the Company being in the town, and south-west a couple of miles, at Westville, are the Drummond Coal Mining fields. All around the town the fairest agricultural lands in the Mari- time Provinces are to be seen. The con- ditions for commerce and trade seem to have their abiding place here, and it cer- tainly offers opportunities along these lines not excelled by any town of a sim- ilar size in the County. A large depart- mental store here ought to find for its energies the very scene of victory.

Manufacturers ought, in seeking loca- tions, to consider Stellarton first of all. The town enjoys splendid water service, which, in addition to the ordinary needs of manufacturers, gives a protection from fire which has placed the town in a first-class position in the books of un- derwriters.

The water works service of Stellarton was established in 1892. The reservoir has a capacity of 1,000,000 gallons. The pumps can supply 750,000 gallons of water daily. The length of pipes al- ready laid approximate 16,000 feet, in size from 4 to 10 inches. The 10 and 8 inch sizes are in use in about half of the service. The system cost in total \$35,235. The pressure averages all over the town about 70 lbs. to the square inch, with greater pressure in the railroad and manufacturing district.

The town of Stellarton was incor- porated, November, 1889, and during the period succeeding that time and the present has changed its executive head but three times. The first Mayor was Mr. Alexander Grant, M.P.P., who served 1890-91. Then came James Mitchell, Esq., serving 92-93 and 94. After Mr. Mitchell, that genial townsman, Mr. W. G. Miller occupied the civic chair in the years 95-96-97 and 98, and the present incumbent, R. Drummond, Esq., suc- ceeded him. This record of service in the mayor's chair is significant only as evidence that the people here trust themselves and consequently their pub- lic men.

The value of the assessment in 1889 was \$187,776, and in 1900, \$237,265. These figures show that there has been a large increase in property values, and they show far more than that. On their face they are evidence of a moderate as- sessment, and in the eleven years of civic life this same remarkable modera- tion continues. Thus it may be seen that a careful management of municipal affairs has been the rule. There has been no attempt here to exploit muni- cipal opportunity by making the assess- ment high and the rate of taxation low in order to foster the mistaken idea that the town is abundantly able to stand onerous taxation for the accomplish- ment of extensive exploitation from a corporation standpoint.

A good fire department is maintained, and the town partially owns its own electric plant.

The bonded debt amounts to \$57,500, and against this the town has the fol- lowing assets: water works, \$35,235; a fine central school property, \$14,000; electric light, bridges, etc., \$8,500. So it may be seen that Stellarton has no debt at all, as the assets of the corporation actually exceed in value of cost the total sum of bonds for which it is helden, and the water works are now about self-sup- porting.

AS A RAIL CENTRE.

Stellarton is situated most favorably on the main line of the Intercolonial Rail- way, at the Junction of the Pictou town branch and short line. It occupies an unrivalled position as a railway centre, making it the distributing point for a large portion of freight and passenger service going to Westville, Pictou and

Prince Edward Island, and also via the short line, connecting at Oxford with the through train for Montreal and other western points, west on the main line of the I.C.R. to Ferrona, Bridgeville, Sunny Brae, Truro, Halifax, and Anna- polis Valley, via Windsor Jct., and east to Antigonish and Cape Breton, from which it will be seen that the situation affords the most excellent facilities for the transportation of freight going either north, east or west. It may be men- tioned as an evidence of the large amount of freight shipped from this point, that during the year ending June 30th, 1900, there were 429,197 tons of coal shipped from this station alone. This is exclusive of the large amount of other material, such as lumber and various stores.

The revenue derived by the I.C.R.'y. for coal alone amounts to in the close prox- imity of \$250,000 per annum.

The round house that was erected some thirty years ago having become en- tirely too small, and being out of repair, the I.C.R. department have decided to erect a new building, with accommoda- tion for eighteen engines, and all the modern improvements, so that ere the close of this year Stellarton will have thorough first-class terminal facilities, which will enable the railway depart- ment to be in a position at all times to promptly handle the rapidly growing coal and iron trade of this district.

THE WILLIS PIANO & ORGAN CO.,
Stellarton, N.S.

With headquarters at 1824 Notre Dame street, Montreal, Que., and office at 59 Granville street, Halifax, N.S., is doing an immense business, in fact, is simply teeming with business, life and activity. Last year was the best in volume of business ever experienced by this pio- neer eastern piano and organ firm, and the present year bids fair to eclipse it in every way. The office here presents a neat and attractive appearance and re- flects great credit on the progressive management. The neat and tidy way in which the office is conducted makes it bright and attractive on the street and a pleasing acquisition to our enterprising town.

In conversation with Mr. J. F. Willis, the senior member of the Nova Scotian firm—and who, by the way, is a power in the business—he informs us that so great is the demand for their pianos and organs that they are seriously consider- ing the advisability of making extensive additions to their present office, or en- gaging larger quarters in order to meet the requirements of their trade.

The popularity of this firm is steadily increasing, and with such pianos as "Knabe," "Dominion," and "Willis & Co.," their ultimate success is assured.

W. F. D. HARPER.

The watchmaking and jewellery trade is one requiring a large amount of me- chanical skill, especially in some parts of watchmaking, where the work is deli- cate and intricate. During the last 20 years such a large improvement has been made in the manufacture of watches,

that they are now sold at the most reasonable prices, bringing them within the reach of all.

As one prominently identified with this branch of trade, we might mention Mr. W. F. D. Harper, who occupies a portion of that beautiful stone building in which the agency of the Bank of Nova Scotia have their office. Mr. Harper's premises are neatly fitted up with plate glass fronts and show cases, and an elegant stock is displayed, consisting of gold and silver watches of foreign and domestic manufacture, clocks, chains, scarf pins, brooches, and many other beautiful articles of jewellery in gold and silver. His stock is a very fine one, and is well worthy of inspection, for the prices charged will be found to be very reasonable. A specialty is made of fine watch and jewellery repairing on short notice, and in all cases the utmost satisfaction is guaranteed.

Mr. Harper has been occupied in business here for the last five years, he having succeeded his brother, who conducted a business for five years previous to that. During the time in which the present proprietor has been here his business has met with the most gratifying success, which in a great measure has been due to his thorough knowledge of the business and the requirements of the public, he being at all times ready to anticipate their demands. Mr. Harper is a native of Charlottetown, P.E.I., and is a live, active and progressive business man, and popular citizen.

SCHOOLS.

In common with all parts of Pictou County, Stellarton pays a great deal of attention to educational matters. Even in its early mining days it was difficult to find a person within the bounds of the town ignorant of the three R's. Old residents still speak with pride of the school on the river bank, and of its scholars of their day, who have now nearly all passed to the great beyond. These reminiscences have had their effect on their descendants.

For many years what now forms one school section was divided into posts, Albion Mines and Stellarton, or more strictly, sections 1, 2, A and B. These sections had each its separate building, with a staff of teachers working under the old trustee system. Since the incorporation of Stellarton, or in 1890, there has been a steadily growing feeling that the school system of former days was altogether inadequate for the necessities of the present. The buildings were old, cheerless and crowded, and for these reasons the work done was of an inferior character. An agitation arose that finally resulted in the construction of a central school.

The Mayor and School Commissioners of 1896 should ever be remembered with gratitude by the citizens of the town. In that year the corner stone of the

CENTRAL SCHOOL

was laid. Excellent judgment was shown in the selection of the site for building. Its position in the exact centre of the

town is not its only praiseworthy feature. Situated on the summit of a gently sloping hill, with its beautiful park grounds adjoining on the south, it possesses one of the most picturesque locations to be found in the province. From the windows of building on a clear day places from five to seven miles distant can readily be distinguished, while there is constantly on view to the east, the East River, with its beautiful windings. The effect on the youthful mind of such beautiful surroundings cannot be over-estimated. Leaving the aesthetic to return to the practical, doubtless a stranger would be instantly attracted by the excellent advantages of location from a sanitary point of view. The grounds attached to the school property are yearly being beautified, a certain sum being placed in the annual estimates for this purpose.

The building itself is a handsome three-story structure of brick and stone, and presents a striking appearance. An excellent idea of its external appearance may be obtained from the "cut" in this issue of the "Review." Perhaps a short description of its interior would not be amiss. The first and second floors are entirely devoted to the needs of the teaching staff. On the first floor are three class rooms, a laboratory for the use of High School, also cloak rooms; on the second floor there are four class rooms, with cloak rooms for pupils. The teachers' and principal's offices are also on this floor. The rooms are all bright and cheery, being finished in light colored woods. The furniture and equipment of rooms are excellent. The laboratory apparatus is also of a high grade. The third floor contains a spacious assembly hall; here also are the apartments of the resident janitor. The building is heated by the hot water system and excellent provision is made for thorough ventilation. In the basement are boys' and girls' play rooms.

The building was erected according to plans and specifications prepared by M. McKean, Esq., architect, of Pictou, and the work was done well.

THE TEACHING STAFF

is at present composed of seven teachers, arranged as follows: — Primary, Miss Harivel; Adv. Prim., Miss I. McIntosh; Elementary, Mrs. H. Cameron; Adv. Elem., Miss Flo. Douglas; Intermediate, Miss E. S. Mackay; Preparatory, Mr. J.W. Henderson; High School, J. T. McLeod (Principal). One noticeable feature in connection with staff is, that all are natives of the town. In some instances, possibly, this system of home selection produces bad results. Here the commissioners are of the opinion that an experienced teacher belonging to the town will understand the conditions better than a stranger. The periods of teaching service range from five to twenty-five years.

The course of study includes all the grades of the provincial curriculum. In the common school departments its work has been carefully graded and compares favorably with the best. The High School course embraces all the subjects of the D, C, B and A grades.

So much merit was shown in this particular department, that in 1898, the Council of Public Instruction established a Prov. examining station at Stellarton. Every year its pupils win distinction for themselves and their town. Provision is made in the High School for college matriculation. During the past year some pupils have successfully passed examination admitting to the second year of most of our universities.

THE SCHOOL SYSTEM

is under the control of a Board of Commissioners, consisting of three members of the Town Council and two Prov. Govt. appointees. The town clerk acts as Secretary of the board. The regular meeting of Commissioners is held on the third Tuesday of every month. Special meetings are called when occasion demands. The present Board consists of John Fellows, Esq., chairman; Councillors A. H. Mackay and Jas. Mahoney; Govt. appointees, Messrs. R. S. Faulkner and W. H. Macintosh; Secretary, Don'd. Gray, Esq.

R. S. FAULKNER, ESQ.,
Wholesale and Retail Flour and Provision Merchant,
Stellarton, N.S.

Mr. Faulkner has been established in the flour, feed and seed business in Stellarton for a period of thirteen years. He is a native of Colchester Co., N.S., being reared a farmer. He entered business here in a small way, and by steady application and good business methods has reached a position now where his turnover annually exceeds the sum of \$35,000. His stock-in-trade consists of flour, corn meal, oatmeal, cracked oats and wheat, bran, middlings, chopped feed and hay. He handles large quantities of fall and winter fruits, principally apples, which he buys by the carload, and sells wholesale exclusively. All kinds of seed in season also. His purchases in flour are made from the following best millers: —The Flavelle Milling Co., of Lindsay, Ontario; Archie Campbell, of Toronto Junction, Ont.; Joseph Cawthorp, Thamesford, Ont.; and The Ogilvie Milling Co., of Montreal. His corn meal and feed come exclusively from W. C. Sumner, Truro, N.S. In addition to his large wholesale business here Mr. Faulkner owns and conducts a large farm in Colchester Co., N.S., where he keeps employed several men all the year round. On this farm Mr. Faulkner's principal product is hay, and he has it well stocked with thorough-bred short-horn Durham cattle, which are in favor with agriculturists and agricultural societies in Pictou County. He is a man of considerable experience in life, has lived in various parts of the country, 4 years in the city of Winnipeg, where he was an officer on the police force of that city.

THE COAL INDUSTRY.

The coal mining industry in Pictou County had its inception in the second decade of the passing century; and Dr. Patterson, in his History of the County, tells of the discovery of coal and the

early development of the trade, of the ventures of the early lessees, and the transfer to the General Mining Association of mineral rights given by the King to his brother the Duke of York in 1827. Over the door of the Brick Foundry and Machine shop at the Albion Mine appears the date, 1828. This shop was the first to be erected in Eastern Nova Scotia, and for many years did a thriving business.

The endeavor to develop the mineral resources led in the following year to the first reduction of iron from the ores of the county at these shops. Shipments were first made by cart to river scows, from whence they were transferred to smaller vessels lying in deeper water. The wharves were from time to time moved down the river as the trade developed, and in 1838 the loading ground wharves were built, and connection with them made by locomotive in 1838—the first railway to utilize steam in the Maritime Provinces. Newspapers of that date describe the opening ceremonies with great spirit.

The coal fields early attracted attention from the great thickness of its

MAIN SEAM,

which in part is thirty-eight feet; while the second seam actually exceeds this thickness in places, but the coal of which it is composed includes several partings. The main seam was early noted for the volume of fire damp it evolved, and Mr. J. R. Smith, before a parliamentary commission in London in 1834 spoke of gas exuding from the freshly cut faces with a noise that he could only compare to the hissing of a thousand snakes. The geological character of the field attracted men of note from abroad, Sir Charles Lyell, among others; and its interesting characteristics no doubt had much to do with developing a taste in Sir William Dawson for the studies in which he subsequently became famous.

The trade brought to the port of Pictou a large number of sailing craft, and in the boom periods of the early sixties, hundreds of ships were to be seen at anchor, awaiting their turn to load. Visitors of note, too, came to the district. Royalty has honored Stellarton with its presence. The Prince of Wales, and his brother, the late Duke of Edinburgh, visited Mount Rundell, and the Earl of Mulgrave found several summers' rest and recreation in visits to the valley.

Even to the present day the structure of the field is a subject for study and disputation by those who take an interest in Geology and

STRATIGRAPHY.

The field is surrounded by the rocks of several formations, and is intercepted by faults of magnitude; for instance, the fault that separates the westward from the eastern part of the field shows a dislocation of two thousand six hundred feet. It includes deposits of black and brown shale, which undergo marked changes in comparatively short distances.

Whether the field is confined to its present assumed limits between Westville and Thorburn, is still open to criticism; and the question perhaps leaves to some successful explorer the discovery of extension to the northward under newer formations, which disguise the extension in that direction of workable coal beds.

When the monopoly to the minerals held by the General Mining Association was modified in 1858, a stimulus was given to exploration, and several new mines were opened in the County. Of these, but five were fully developed, and competed for the trade of the County till 1868, when competition was reduced, and shared only by the International Coal Company and the Acadia Coal Company, which absorbed the properties and took over the mines at Thorburn, Stellarton and at Westville, under the management of Mr. H. S. Poole, previously Government Inspector of Mines.

The head offices of the Acadia Coal Company are at Stellarton. The sales of coal last month were 25,000 tons of coal, and 1,700 tons of coke.

The several mines operated by the Company are most extensively developed and equipped with modern machinery for hoisting and ventilating. Mechanical appliances for screening and thoroughly cleaning the coal before being put on the market are in use. Five seams of coal are worked, and nine hundred men and boys are employed in and about the collieries.

GEORGE MCINTOSH, ESQ.,
General Merchant.

Mr. McIntosh's stock consists of an immense assortment of staple and fancy dry goods, boots and shoes, choice groceries and canned goods, etc. By a strict attention to business and a close study of the wants of his customers, Mr. McIntosh has succeeded in building up a splendid and ever increasing prosperity for himself and his trade. He endeavors always to make his transactions mutually profitable to both buyer and seller, and has succeeded so well that his name and his store stand as synonyms for honesty and fair dealing. He has been in business in Stellarton for over twenty years, and thus has he proven his worth as a citizen.

JAMES W. MCKENZIE,
Grocer and Provision Dealer.

Mr. McKenzie carries a first-class stock of general groceries, including canned goods, teas, coffees, confections, also crockery ware of a high order. His plans comprise extensive purchasing and quick sales at prices which meet the demands of a strictly cash business. Thus, it may be seen that here in Stellarton is another example of that principle of business which the commercial world is painfully appreciating, i.e., cash trade, and upon which alone a real, fair business can be conducted.

A. C. McDONALD, ESQ.,

A. C. McDonald conducts a family grocery and provision supply house on

Main street, Stellarton. Groceries, fruit, crockery ware, glass ware, etc., together with cigars and tobaccos. His stock is clean and pure, and the variety is large. He enjoys a nice trade and his establishment is much appreciated by every one.

C. A. FRASER & CO.,
Wholesale and Retail Grocers and
Provision Merchants,

Mr. C. A. Fraser opened business in Stellarton quite recently. He was for some years associated in employ with Moir, Son & Co., biscuit and confectionery manufacturers of Halifax, and when thinking of embarking on a business career of his own, chose this his home town as the scene of his first efforts.

Their specialties are high-class groceries, canned and bottled goods, although they carry a full line of groceries and provisions, together with fruits of all kinds, and a very choice line of high-class confectionery. They wholesale Moir's biscuits and confectionery, and also carry a nicely assorted line of gums, popcorns, licorices, cigars, etc.

Their store is situated on the corner of Main street and Acadia avenue, directly opposite the Acadia general offices, Stellarton, the very best location in town.

Messrs. Fraser believe in modernizing business as far as possible, and spare no expense or time in pleasing their patrons. They have introduced here the plan of calling upon the people at stated hours each day for orders, and promptly delivering goods at the door on order. This is a very grateful feature and citizens here appreciate this plan very much.

Altogether, Messrs. C. A. Fraser & Co., are a valuable accession to the business community of this town, of which more are wanted. Their up-to-date manner of serving the people with freshest and best goods the market affords is in line with the progress of the day.

B. D. ROGERS & CO.,
Wholesale and Commission Merchants,
Stellarton, N.S.

The head of this firm, Mr. B. D. Rogers, was born at Gasperaux, Kings Co., N.S., near Grand Pre, in the year 1852. He entered upon a career in Stellarton in 1872. He continued in active business until 1894, when he retired, only to take up the burden again four years later. During the years intervening between 1894 and 1898 Mr. Rogers travelled extensively in Canada, the United States and in Europe, including the British Isles. This firm's very large stock of goods includes dry goods, groceries of every description, fruits of every variety, in season, confectionery, flour, feed and meal, etc. It is prepared to supply wholesale to any extent and at prices appeals to the trade. The retail department of this business is conducted upon the cash principle strictly. The writer inquired very closely into this feature of the business of Messrs. B. D. Rogers & Co., and found it to be both real and very profitable. Certainly this feature is the one for all businesses in times of prosperity, if not in times of adversity.

Mr. Rogers has always been closely identified with temperance work in Nova Scotia, and has frequently represented the Provincial Grand Lodge of Good Templars as a delegate to conventions on both sides of the Atlantic. This firm is enterprising to a degree not often met with in the towns of this province.

A. ROSS McLEOD.

The growth of Stellarton is as well shown by the large increase in mercantile establishments as in actual show of hands or counted heads. Young, energetic business men come here in preference to staying in larger centres simply because of the town's excellent position and open advantages, which seem to guarantee that trade will centre here. Mr. McLeod has been in business for two years or more, so that his connection is well established. Groceries, tobaccos, crockery ware, enamelled ware, teas and coffees, fruits, confections, aerated waters, canned goods, and high-class groceries are specialties. These and a full line of kitchen utensils comprise a very fine stock, and Mr. McLeod enjoys the confidence of his fellow towns-people to a degree which compels, or rather promotes, a splendid trade. He is a native of Pictou County.

THE LOGAN TANNING CO., LTD.

Three miles from Pictou, on the West River, and on the Short Line Railway of the I. C. R. stand the buildings of The Logan Tanning Co., and the homes of the men who are in its employ. These number about seventy-five, and with their families almost make a village to themselves. It is about 40 years ago that the late John Logan began a tannery here, and under him the industry saw a rapid rise. In 1885 the property was bought for a joint stock company by A. C. Macdonald, Esq., who is and has been its secretary and manager. Under his control the Logan Tanning Co., Ltd., has taken on signs of great prosperity. Its product is marketed on its merits, and finds a ready sale. It may be cited that no travelling salesman is sent out by this firm, all the business being done through the office at Pictou. The output consists entirely of sole leather, and the number of sides being marketed annually ranges from 75,000 to 100,000. Hides are mainly from South America. It may be stated that this concern is the only sole leather tannery in Nova Scotia. The town of Pictou is a good distributing point, being central and having railway and water facilities. There is in the vicinity a good supply of bark. Wages are not exorbitant; there has never been a strike; the relations between employer and employed are harmonious; many of the men have been 25 years at the work in this very tannery. The equipment is strictly first-class, and each year sees the Logan Tanning Co. making long strides. From what has been said the readers of the "Review," particularly those who are users or tanners of leather, will see the importance of the Logan Tanning Co., Ltd., not only as an industry of this

County and Province, but also among similar concerns elsewhere in the Dominion. And one is safe in saying, especially if he knows Mr. Macdonald, the manager, this enterprise has by no means reached the measure of its ambitions, but is merely indicative of what will be as plans are matured and developed.

DAVID LOGAN, Grocer.

Mr David Logan is one of the best known men in the County, through his office as Prothonotary of the Superior Court, and Clerk of the County Court, and as Secretary of the Pictou Agricultural Society. Mr. Logan has striven successfully to be in the front rank here. His store is supplied with a fine class of goods. The essential items of any grocery stock are to be had, of course, but many fancy groceries of English and French preparation are handled. This store seems to have drawn to it a class of customers, which, once secured, is the envy of all competitors. Smoked meats and breakfast bacon are specialties with Mr. Logan. For years tea blending has been a study here, and this house was one of the very first in these parts to attempt this nice science. For years, too, Mr. Logan roasted his coffees. Still another phase of the business to be noted is his trade in fancy biscuits and confectionery. There has been developed in this department an exceptionally good demand for the finer qualities. Fruits are also handled.

It would not be right to neglect to mention Mr. Logan's connection with stock-raising. Together with Mr. E. Harris, of "Orchard Hill Farm," a mile and a half out of Pictou, Mr. Logan has gone into the rearing of Shropshire sheep with marked success. To-day he is recognized as one of the most competent judges of sheep in the Province. Generally speaking he takes the keenest interest in all kinds of farming, and what he knows is always at the command of others.

MORRISON BROS., Monumental Workers

A modest firm so far as its members are concerned is that of J. W. & D. F. Morrison. Their business was begun in 1845, by the late Murdoch Morrison, their father, and has been continued uninterruptedly to the present day, first by the elder son, and afterwards by the two brothers above named. Theirs are the only monumental works in this vicinity, and the quality of their workmanship has established their fame most enduringly. The product of their handcraft goes to all parts of Nova Scotia, Cape Breton, P. E. Island, and work has been shipped even to Montreal and the W. Indies. Their designs are as varied as that of much larger firms. It has been remarked again and again by those who have seen their work that their skill as stone carvers is not of the common order. They use almost every sort of marble, stone and granite entering into this class of work. Scotch, Swedish and German granites from abroad, and marble in all its varieties from the United States and

Italy, and granite and freestone from the quarries of New Brunswick and Nova Scotia. Special mention may be made of the freestone that comes from Eight Mile Brook in Pictou County, the prize winner at the Exposition at London, in 1851, and at Philadelphia in 1876, for its general fineness and closeness of texture.

WM. ROSS, Watchmaker and Jeweller.

Mr. Wm. Ross, watchmaker and jeweller, is a thoroughly capable man. He has served the people of this vicinity for over 32 years. He carries a particularly large stock for a town of 3,500. Watches are to be had here in all grades, from the cheap to the very fine and accurate movements in gold and silver. Mr. Ross's showcases are abundantly filled with many articles in gold and silver, all so dainty and rich looking that the purse strings are very apt to be unloosened. Souvenir, enamelled and fancy goods in many forms, made chiefly by the premier maker of Canada, R. Hemsley, of Montreal. Another line very often associated with the jewellery trade is spectacles, of which Mr. Ross carries a large stock, and is thus enabled to meet the needs of most where the services of an oculist are not required. Solid silver ware, field and marine glasses are offered, the best selection in Pictou.

J. CARSON & SONS, Planing Mills.

Twenty years ago this firm was known as J. & A. Carson. When some 6 years ago Adam Carson decided to enter the hardware trade, his brother, James Carson, continued the business, and associated with him as partners are his sons, John and Edward. Fire twice over destroyed their property and caused heavy loss, but through all there has been a resolute courage and a determination to succeed, and success there has been in consequence. The firm have seven buildings and a lumber yard. They manufacture doors and sashes principally, but deal largely in all sorts of building material of wood construction. They have an excellent kiln for drying and seasoning lumber. Cement, lime, bricks, tiles, plaster and all kinds of building material are dealt in, in addition.

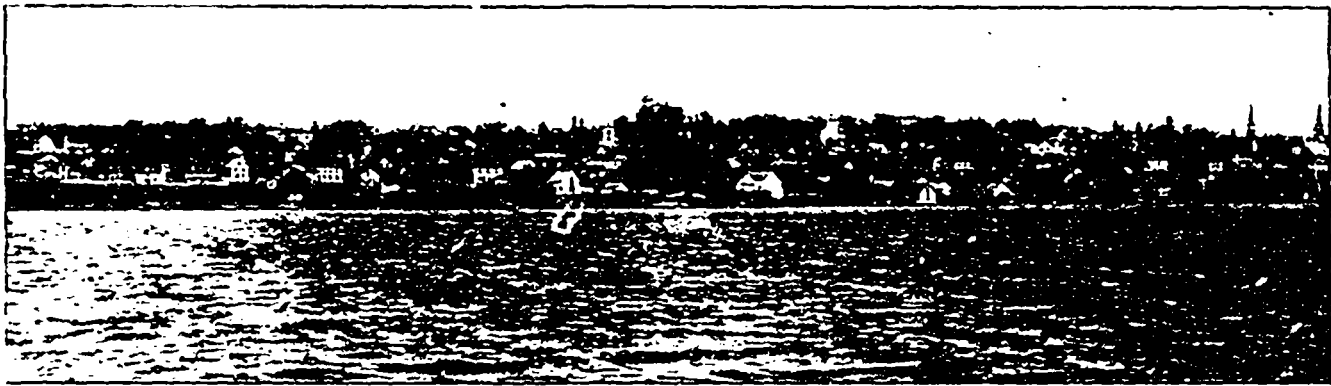
DAVID GRAY, Fruiterer and Confectioner.

A gentleman who left Halifax a year ago, tempted by the possibilities of his business in Pictou is Mr. David Gray, and that his faith in the town has not been misplaced is to be seen in his well-stocked and tempting store in the "Victoria Block." His lines are fruits, confectionery and summer drinks. In addition, he has an ice cream parlor, the favored one in the town, where many young people pass away a pleasant hour. Mr. Gray has provided for his patrons' entertainment a handsome "Dominion" piano, whose tone qualities have been pronounced by competent judges to be exceptionally fine. In connection with his other business Mr. Gray runs a restaurant, and his meals and luncheons have

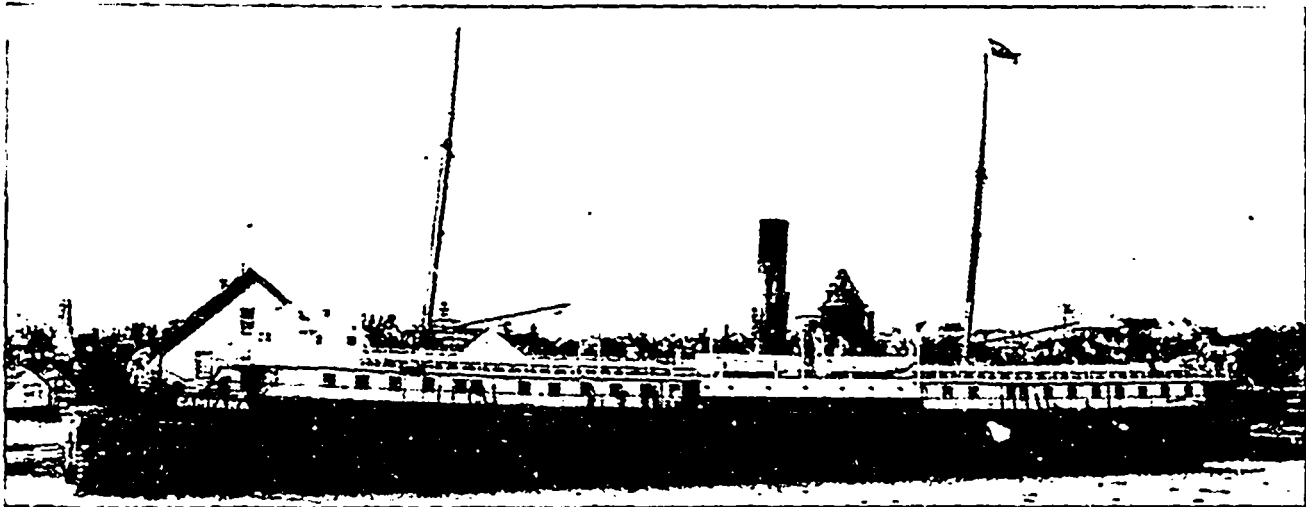
PICTOU, N.S., CANADA.



PICTOU EAST, N.S.



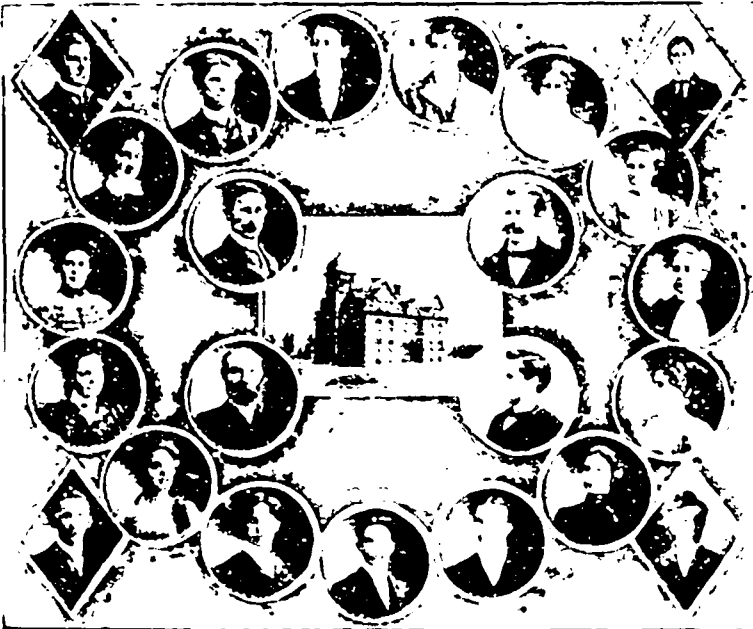
PICTOU WEST, N.S.



S.S. CAMPANA, PICTOU HARBOUR, N.S.



Celebrating the relief of Ladysmith, Pictou, N.S.



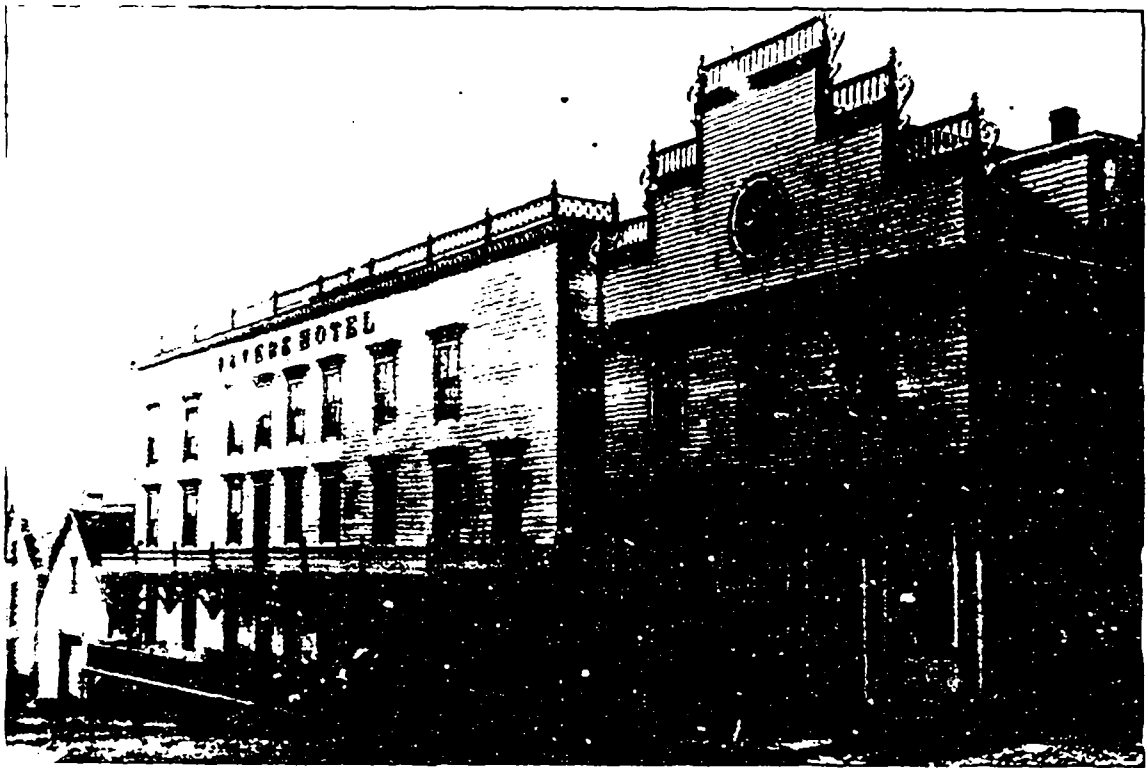
FICTOR ACADEMY, FICTOR, N.S.



STELLARTON CRICKET TEAM, COASTS, FICTOR WINNERS, STELLARTON, N.S.



FICTOR ACADEMY, A CORNER OF SCOTT'S ROOM, FICTOR, N.S.



REVERE HOTEL, THE LARGEST HOTEL IN N. S., N. DOHERTY, PROP., PICTOU, N. S.



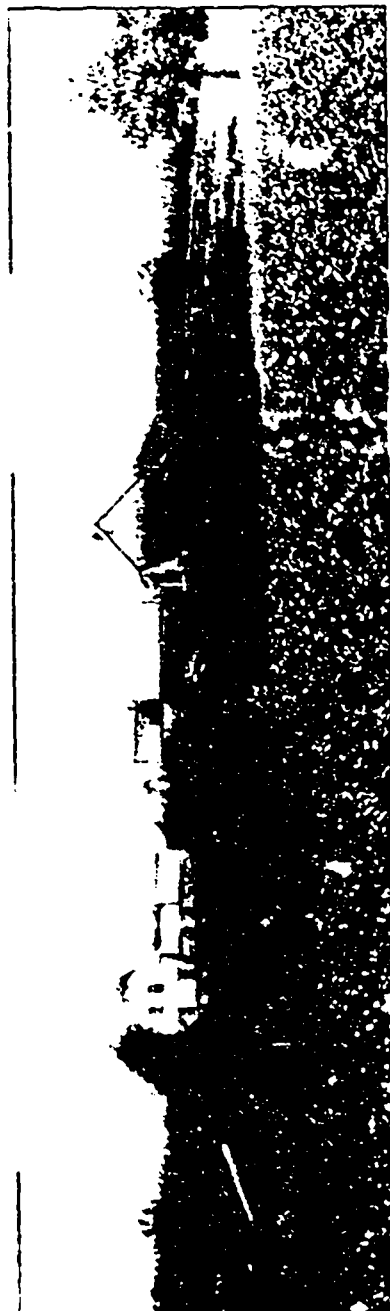
THE REVERE HOUSE, PARLOR, PICTOU, N. S.



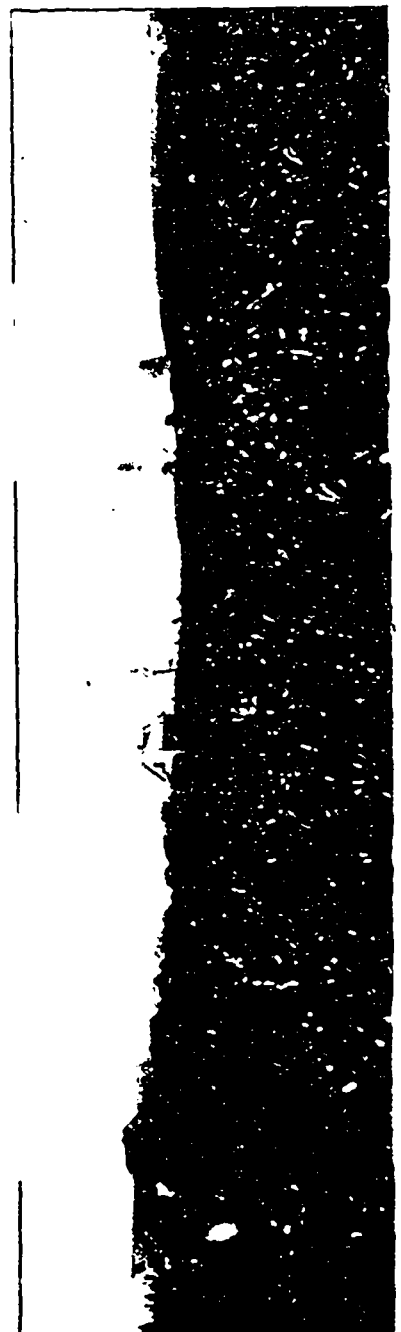
INTERIOR HOGG, CRAIG & CO'S RETAIL STORE, PICTOU, N.S.



WEST RIVER IN THE DISTANCE.



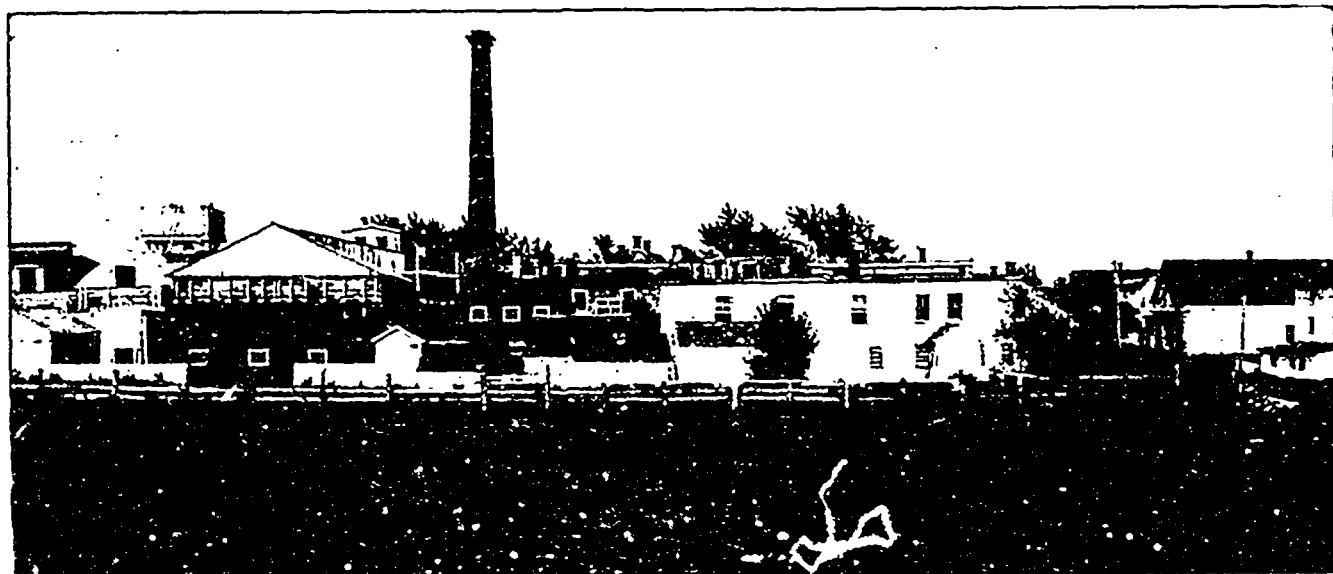
PROPERTY OF E. HARRIS, N.S.



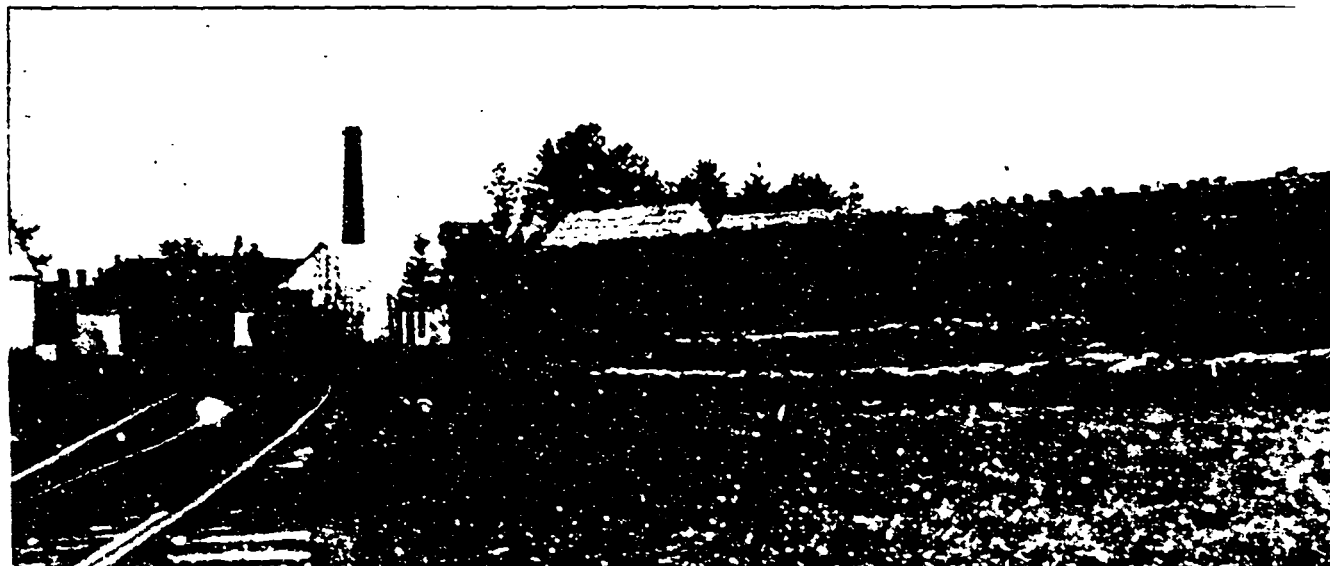
WEST HARBORION CREEK, PICTOU



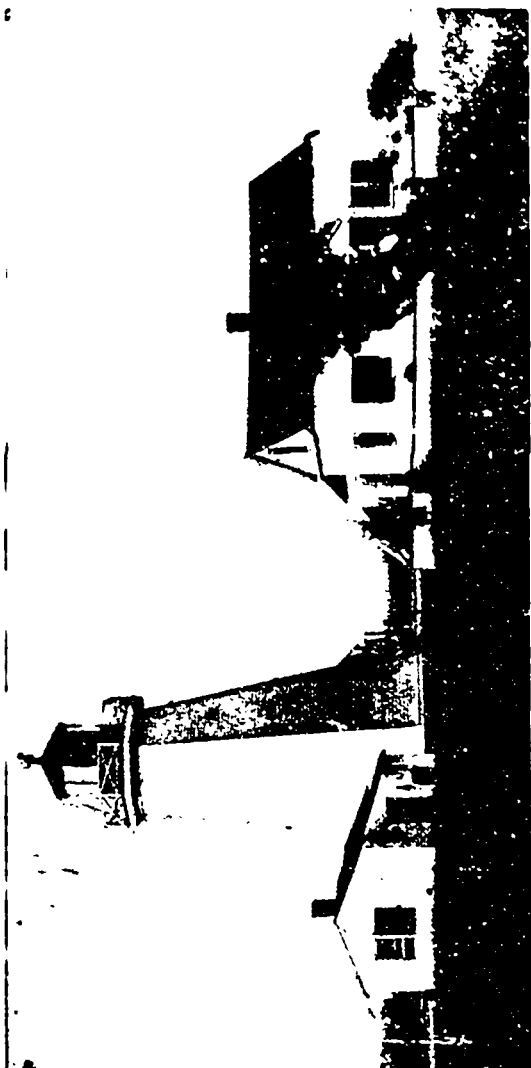
THE LOGAN TANNING CO'S TANNERY, PICTOU, N. S.



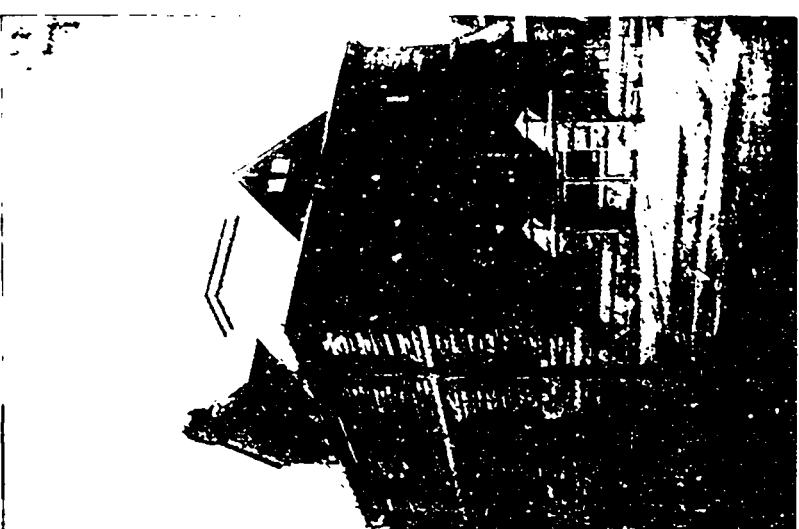
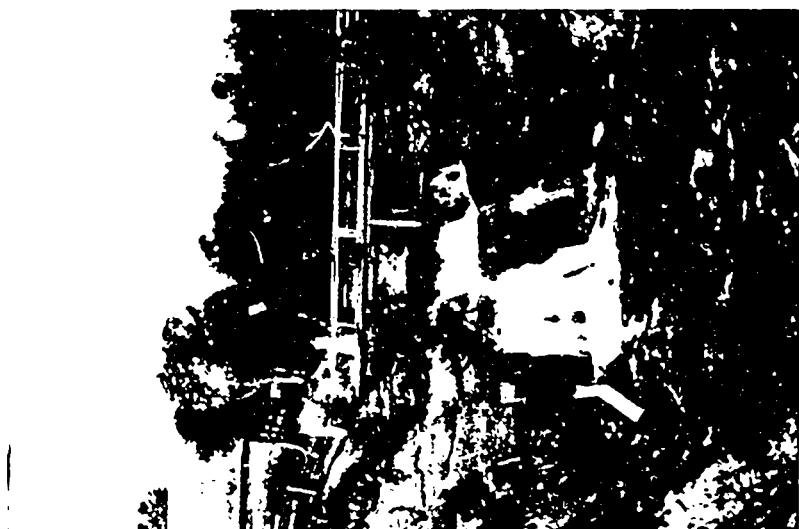
A WESTERN VIEW OF THE LOGAN CO'S TANNERY, PICTOU, N. S.



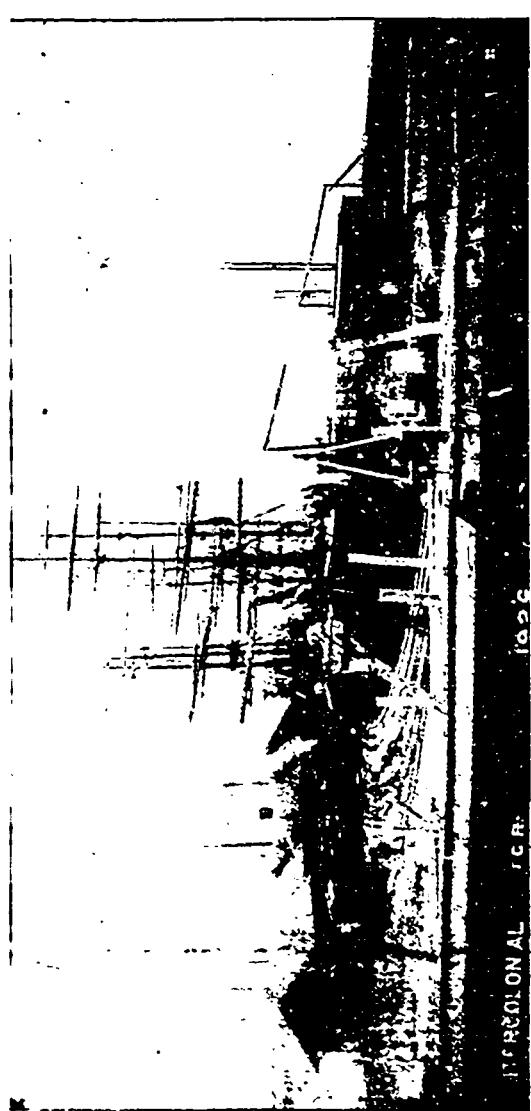
RAILWAY ENTRANCE TO LOGAN CO'S TANNERY, PICTOU, N.S.



THE SELECTIONS

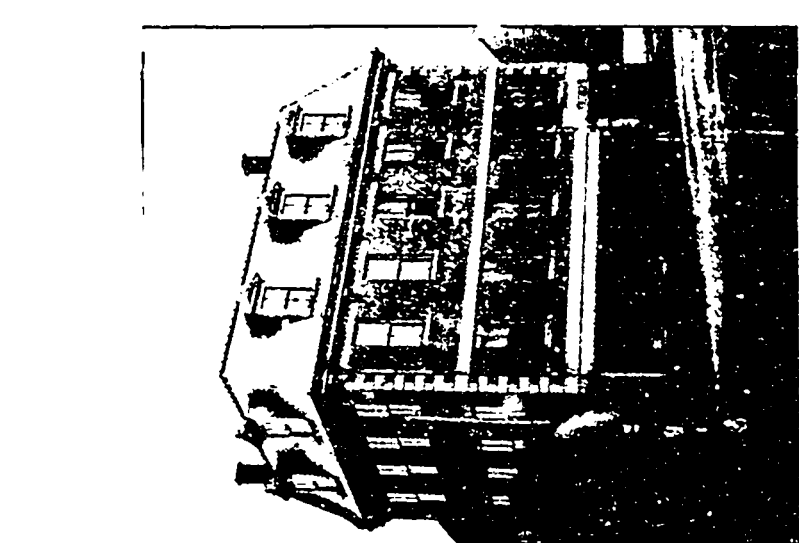


POST OFFICE BUILDING



INTERNATIONAL TRADE CENTER

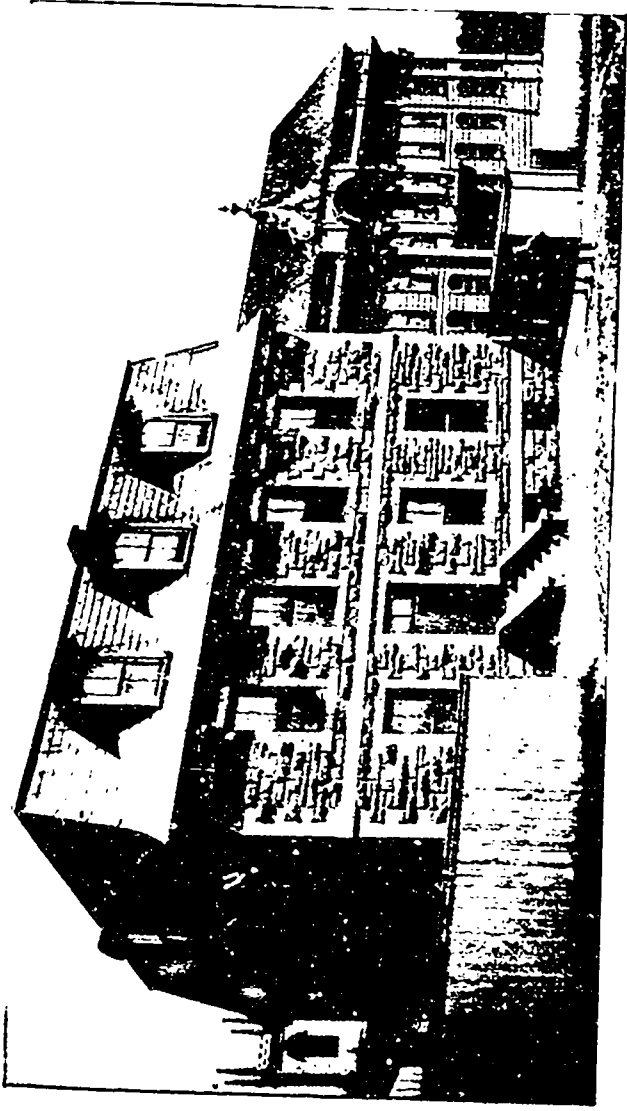
THE PENNSYLVANIA



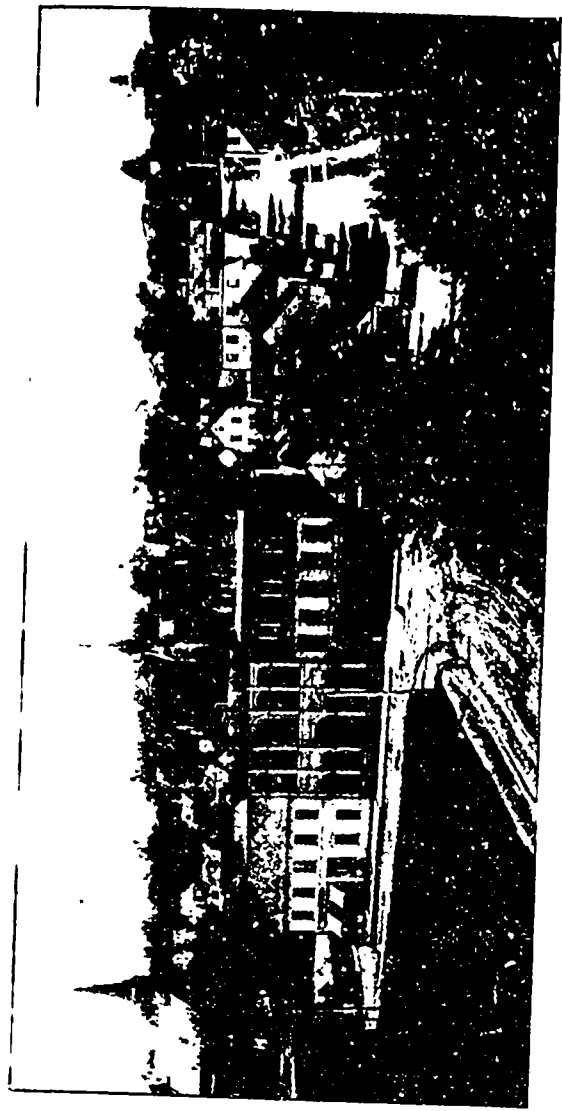
THE PENNSYLVANIA BUILDING



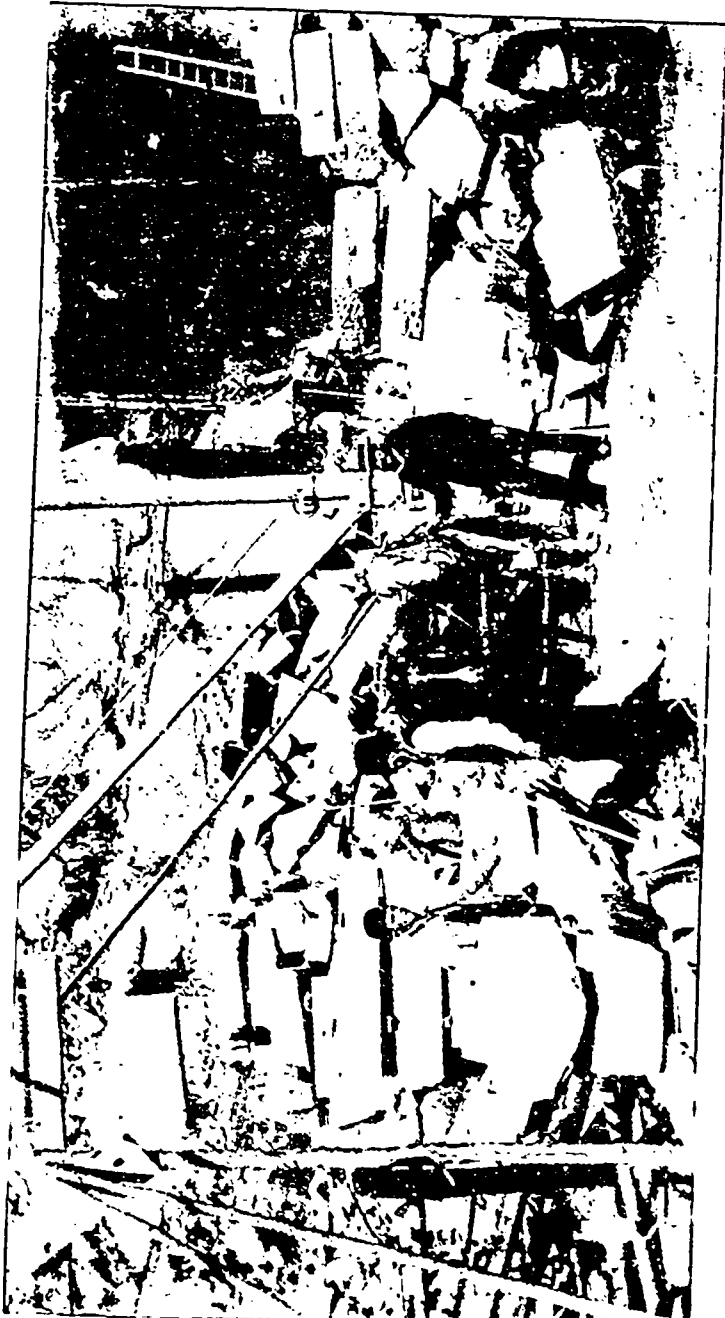
THE MARIQUETTES BUILDING



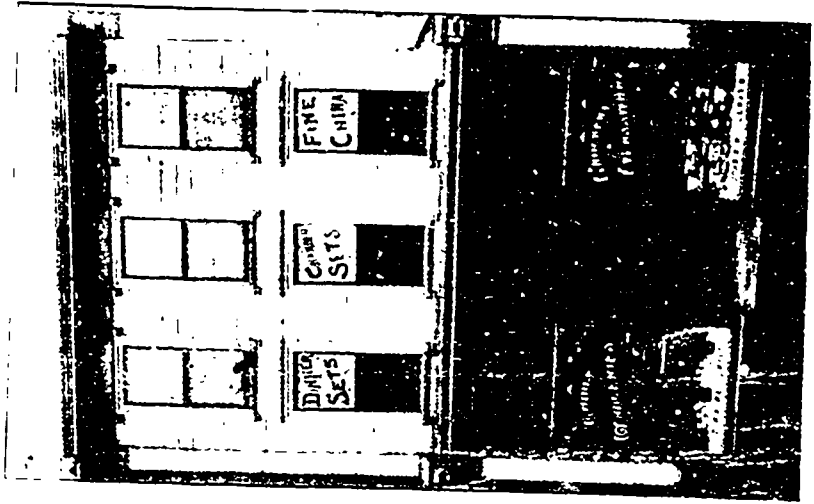
ADDINGTON AND CEMENT HOUSE PHOTO N.S.



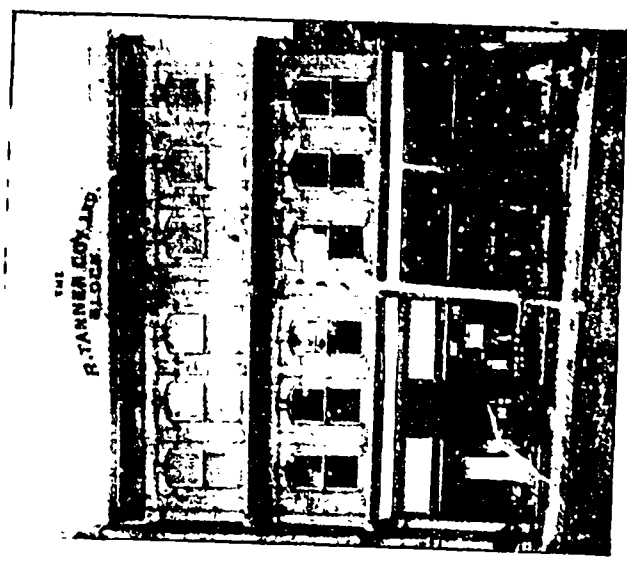
LOWES DRAWING CUT

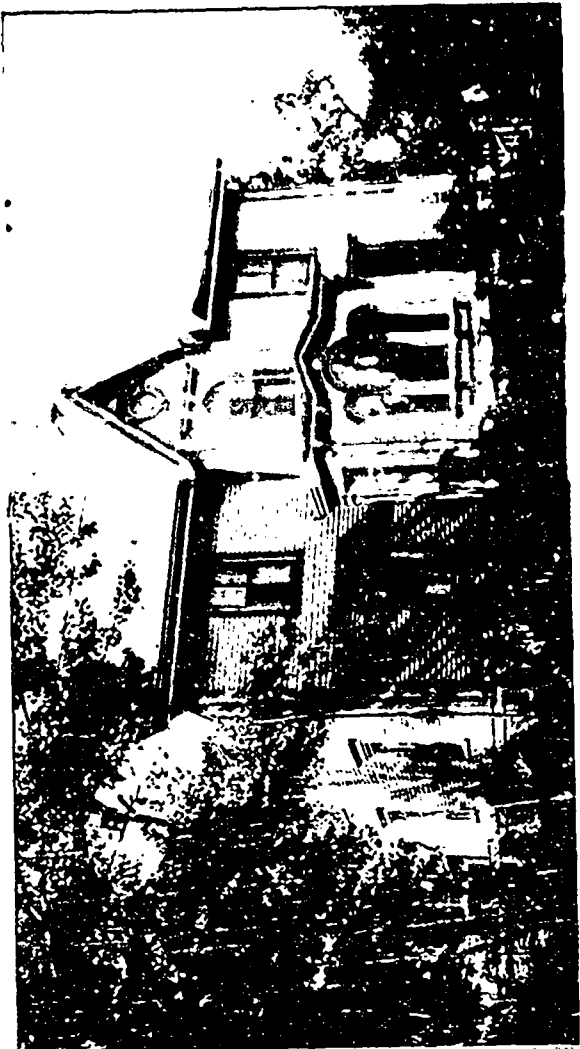


MURPHY'S QUARRY PHOTO N.S.



JOHN R. McDONALD PHOTO N.S.





RESIDENCE OF JOHN STEWART HSO. MANAGER OF T

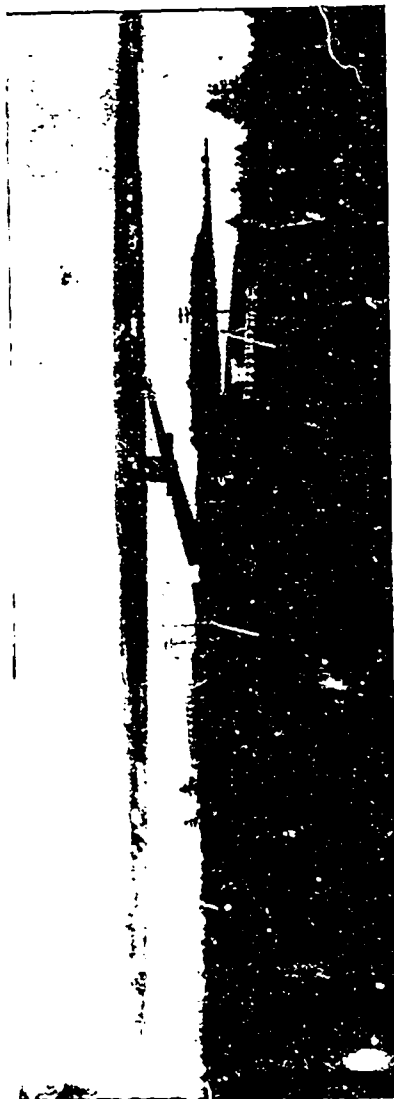
N. S.



POORD PIT, ALBION MINES, ACADIA COAL C



MOUNT RUNDALL, STEH



OF C RIVER P

N. S.



WATER RUNNING THROUGH TOWN TO PICTOU, N. S.





RESIDENCE OF GEO. R. CHRISHOLM, PICTOU, N.S.



RESIDENCE OF WM. H. NOONAN, ESQ., PICTOU, N.S.



"LOURDES," R. C., PICTOU, N.S.



RESIDENCE OF JAMES MAHONEY, LOURDES, PICTOU COUNTY, N.S.



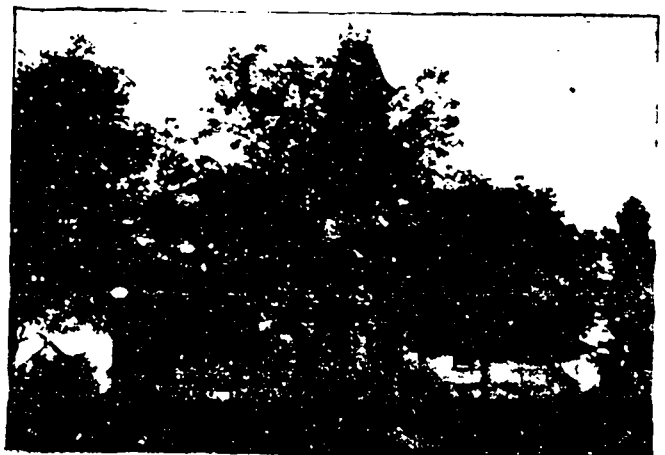
CHENALMOND RESIDENCE OF A. MCKENNA, ESQ., TOBACCO MANUFACTURER, LOOKING UP THE AVENUE, PICTOU, N.S.



KNOX CHURCH, PICTOU, N.S.

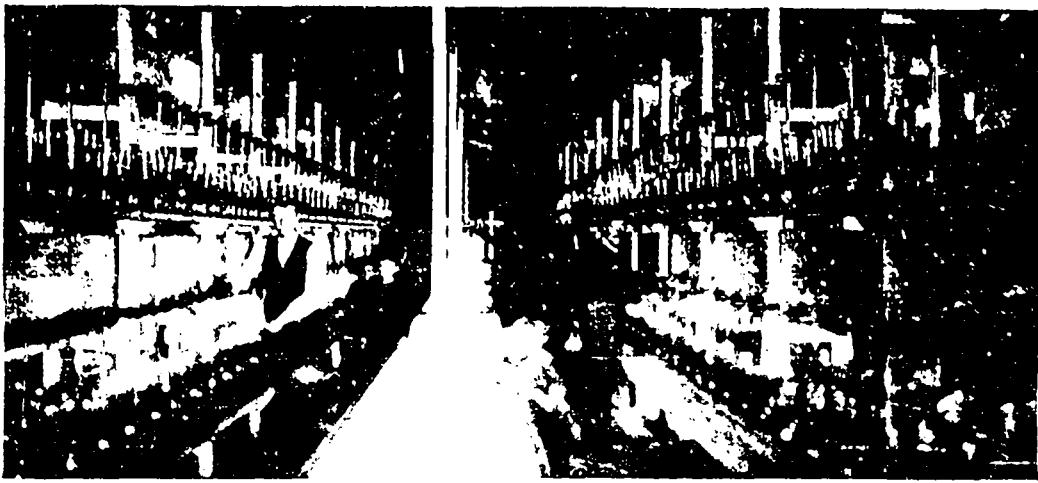


NOWAY POINT, PICTOU, N.S.

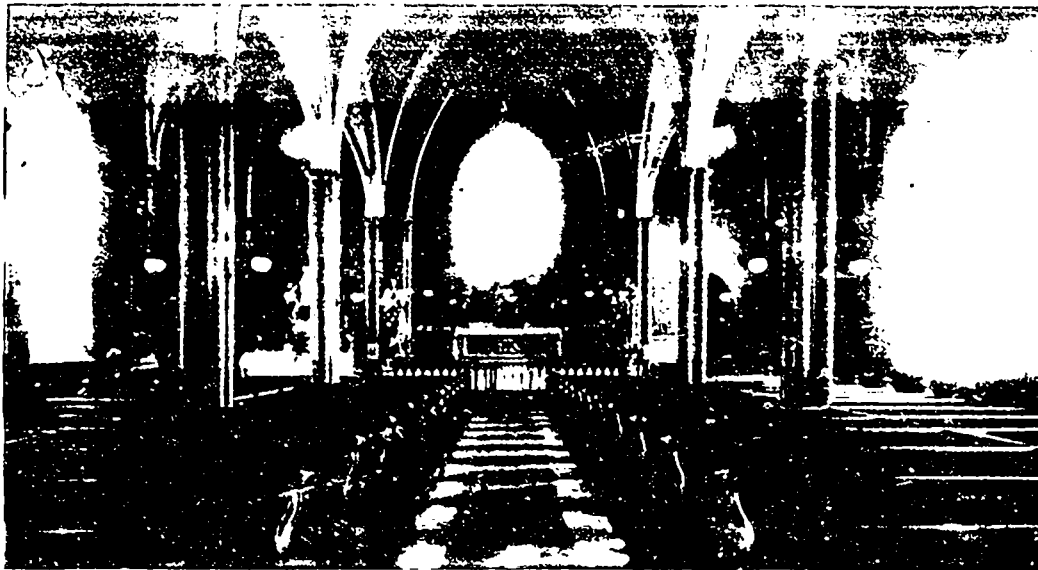


HIGH STREET SCHOOL, PICTOU, N.S.

MOUNT RUNDILL, STRE.



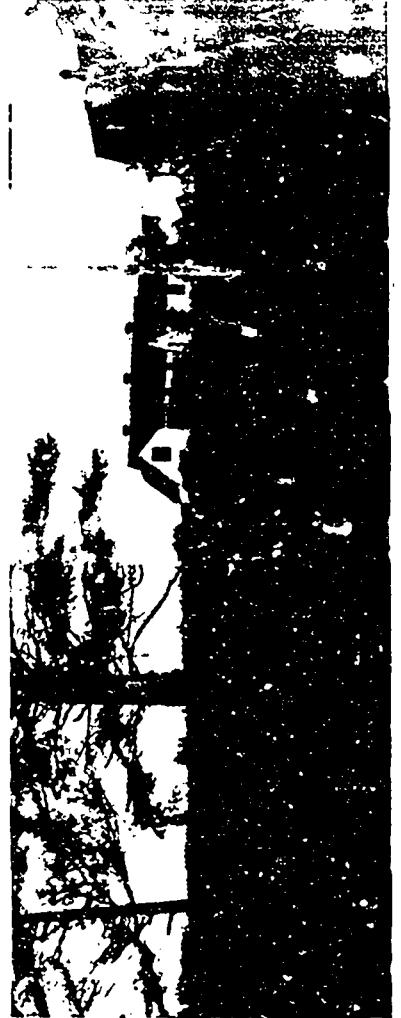
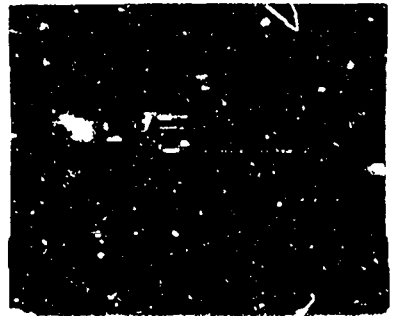
HALL SECTION INTERIOR VIEW DAY VIEW LOBSTER HATCHERY FACTORY N. S.



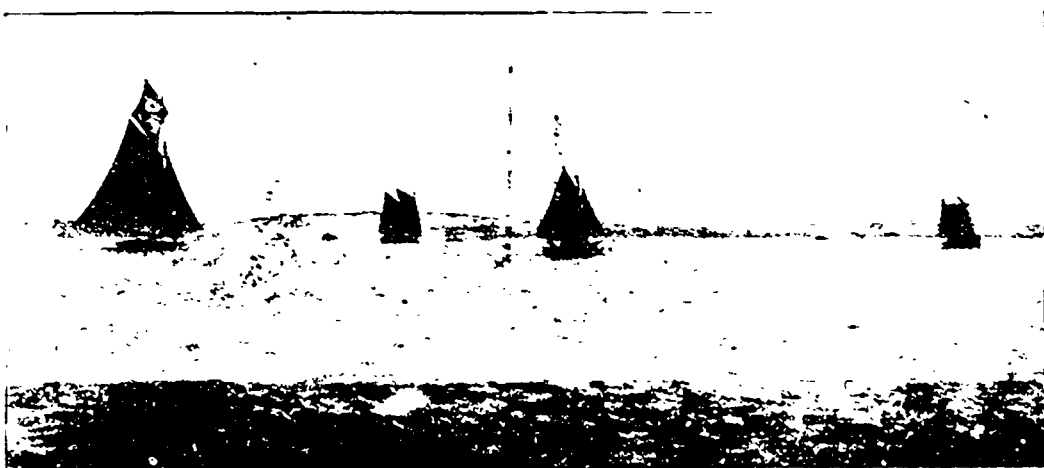
INTERIOR OF STELLA MARIS CHURCH, PICTOU, N. S.



A SIDE ALTAR IN THE "STELLA MARIS" ROMAN CATHOLIC CHURCH, PICTOU, N. S.



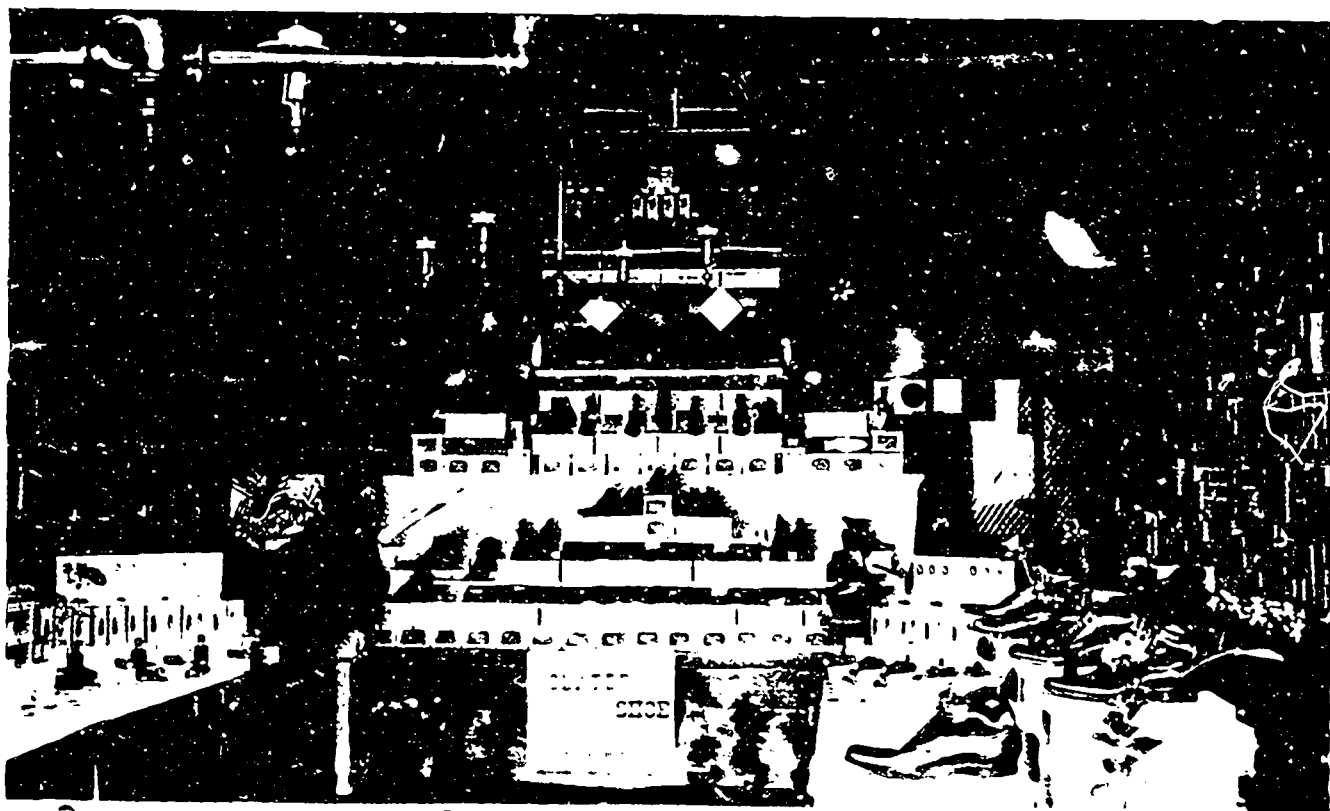
PICTOU
HARBOUR



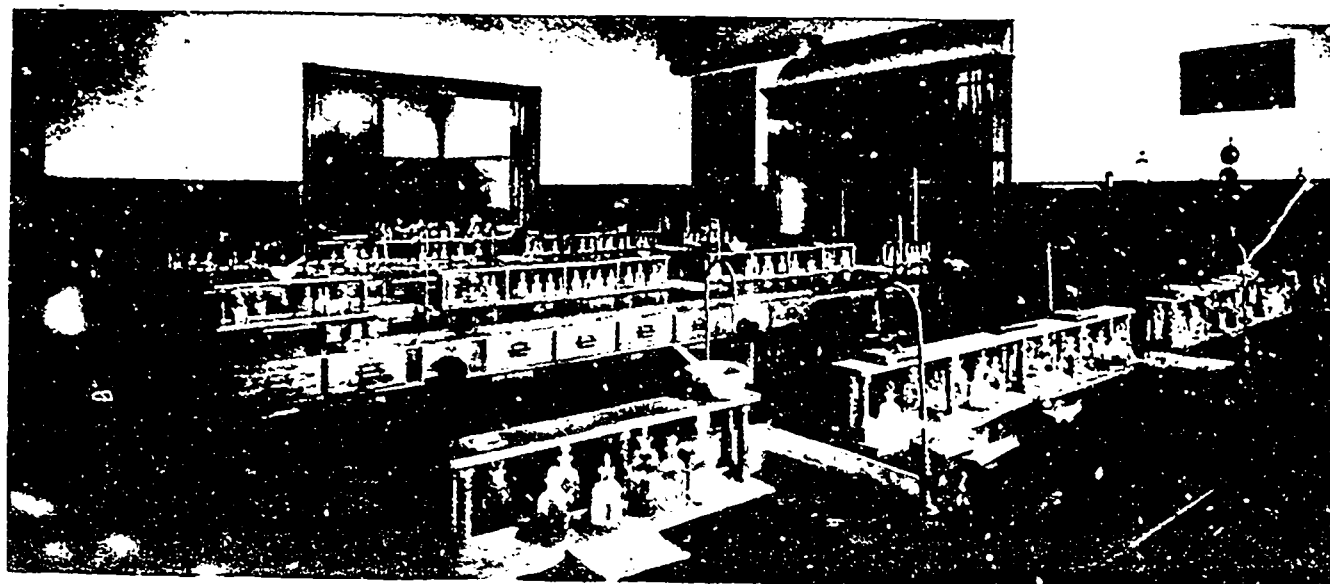
BOATING ON PICTOU HARBOR.



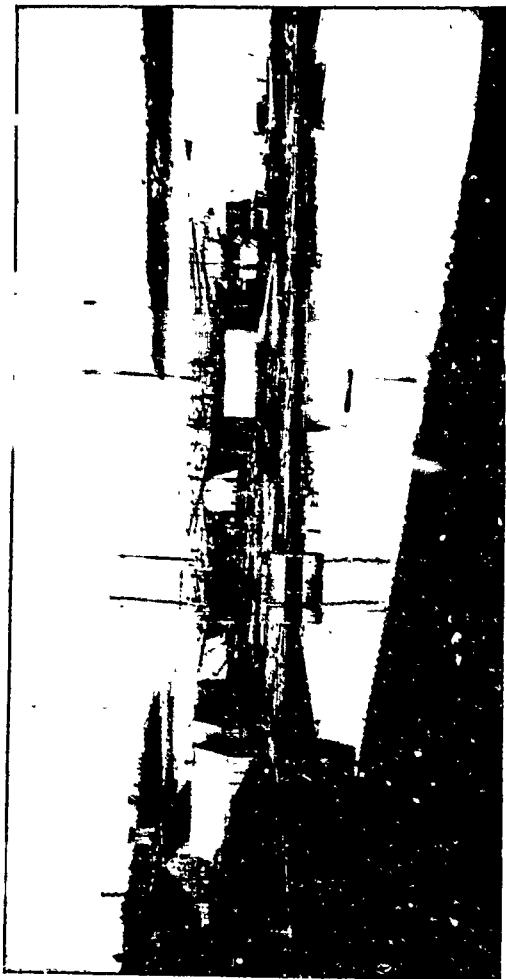
CUSTOMHOUSE, PICTOU, N. S.



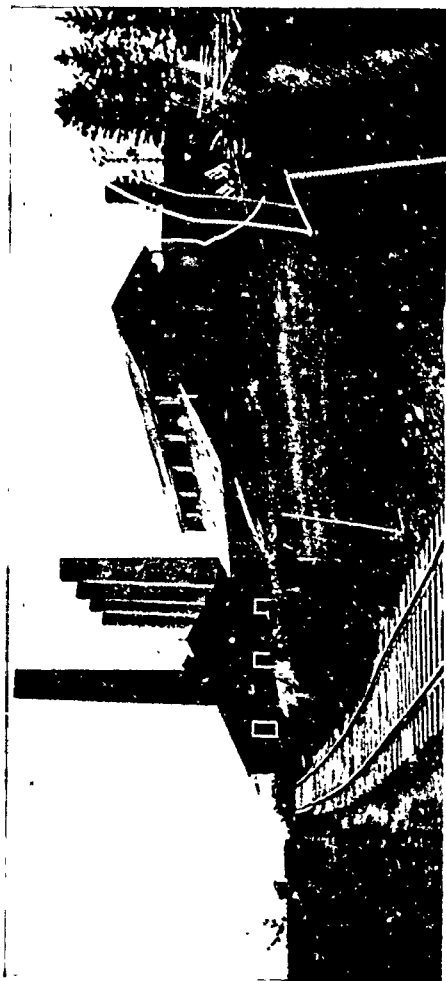
INTERIOR VIEW TANNER CO. LTD., PICTOU, N.S.



CHEMICAL LABORATORY, PICTOU ACADEMY, PICTOU, N. S.



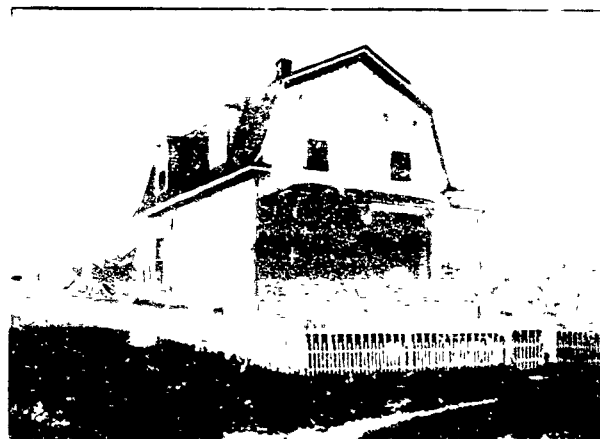
PICTOU HARBOR, VIEW FROM THE CLIFF - P. O'U, N. S.



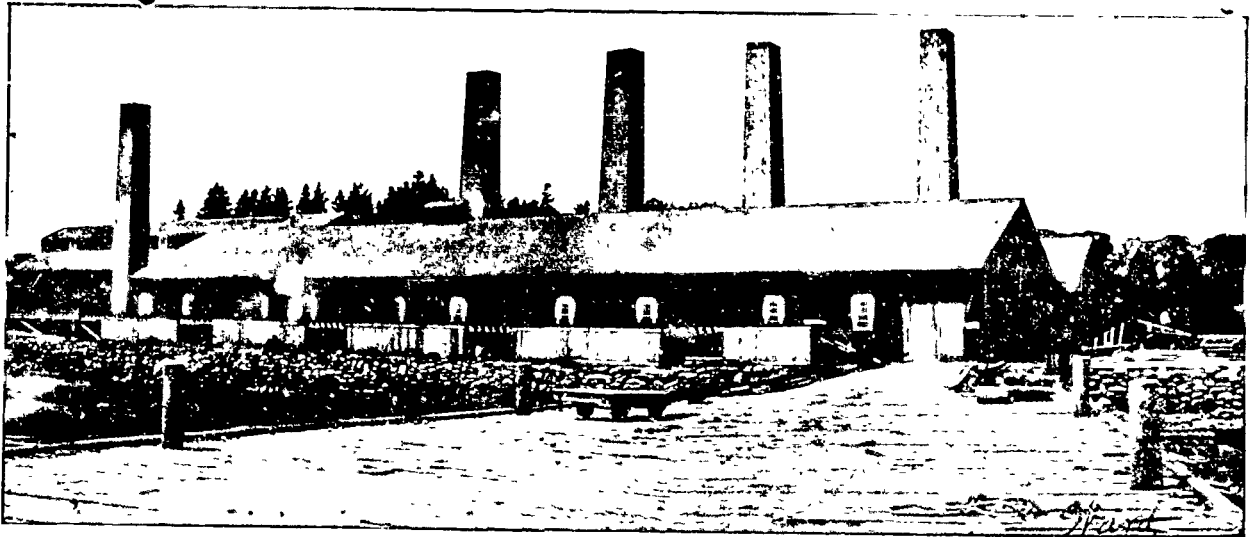
COPPER CROWN MINING WORK - N. S.



P. O'U



PICTOU ACADEMY, PICTOU, N. S.



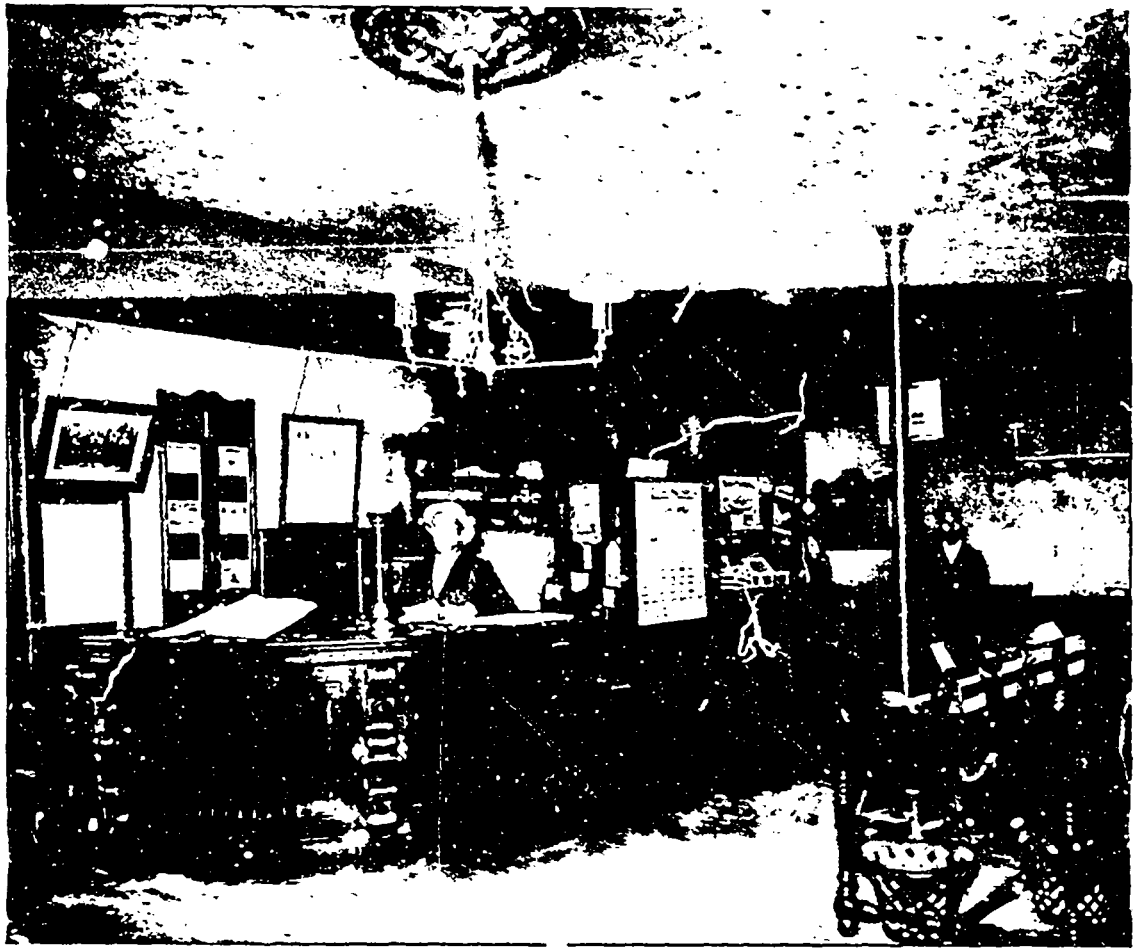
SMEETING WORKS AND WHARF OF THE COPPER CROWN MINING CO LTD., PICTOU, N.S.



HOTEL WALLACE, PICTOU, N.S.



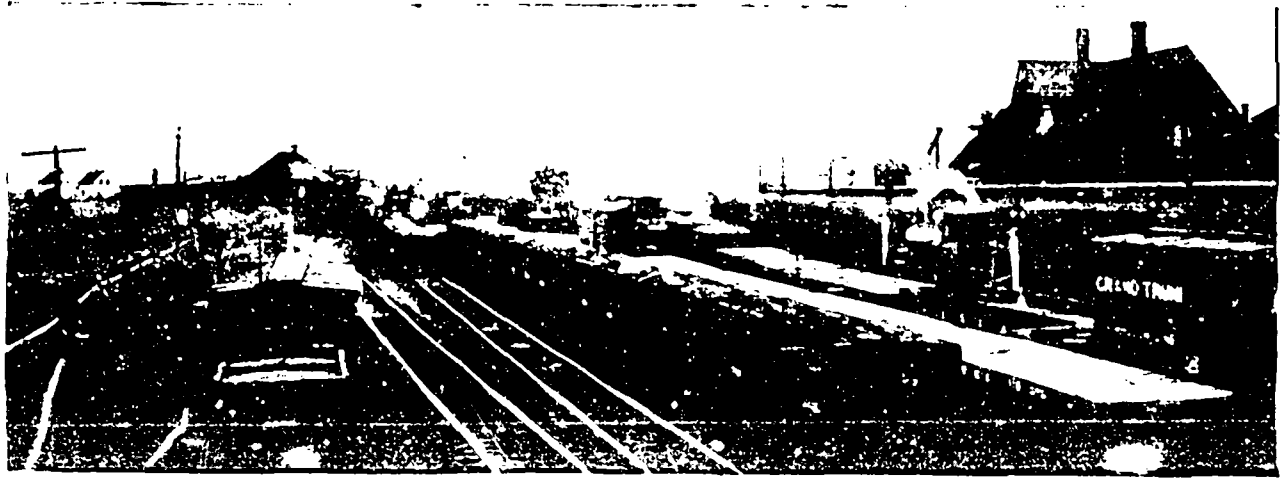
INTERIOR, JOHN R. McDONALD'S, PICTOU, N.S.



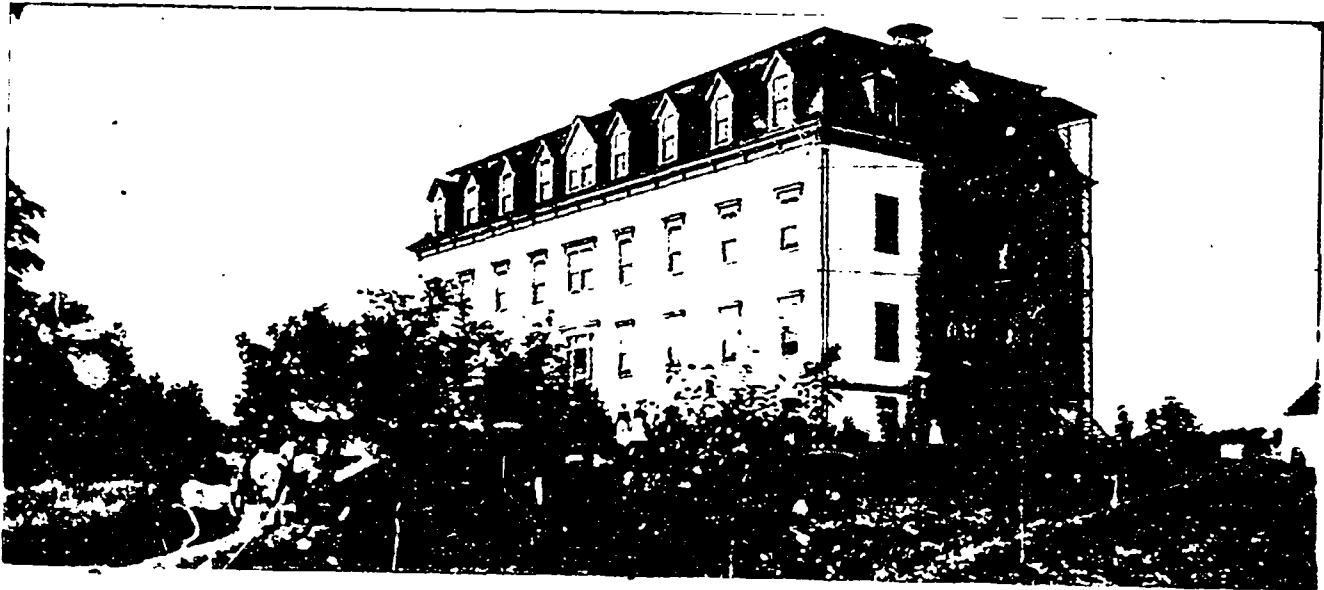
REVERE HOUSE, OFFICE, PICTON, N. S.



REVERE HOUSE, DINING ROOM, PICTON, N. S.



I. C. R. RAILWAY YARD, STELLA, N. S.



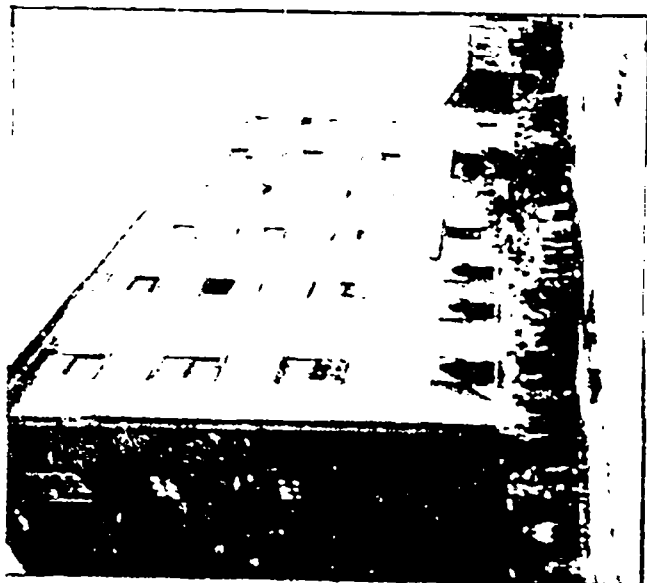
VICTOR COUNTY POOR ASYLUM, STELLARTON, N. S.



GARVIN'S ISLAND, VICTOR, N. S.



MR. TONNY



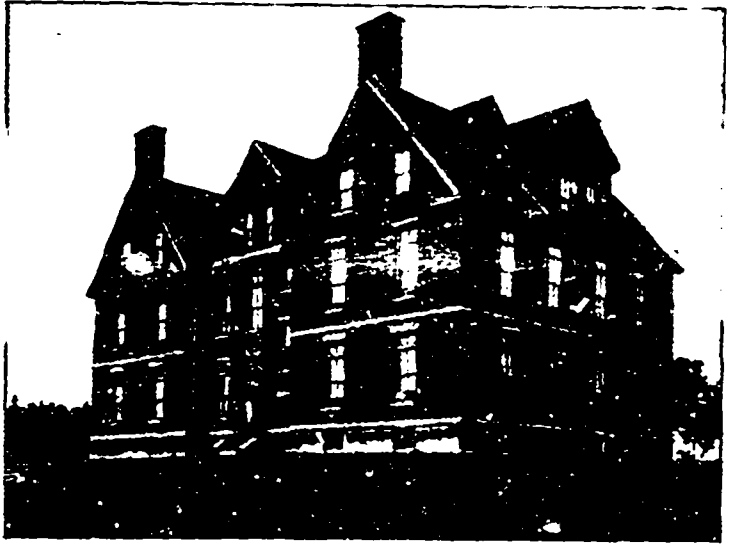
MR. HAMILTON & SONS



VIEW OF PRINCE ST.



RESIDENCE OF W. H. MCINTOSH, STELLARTON, N. S.



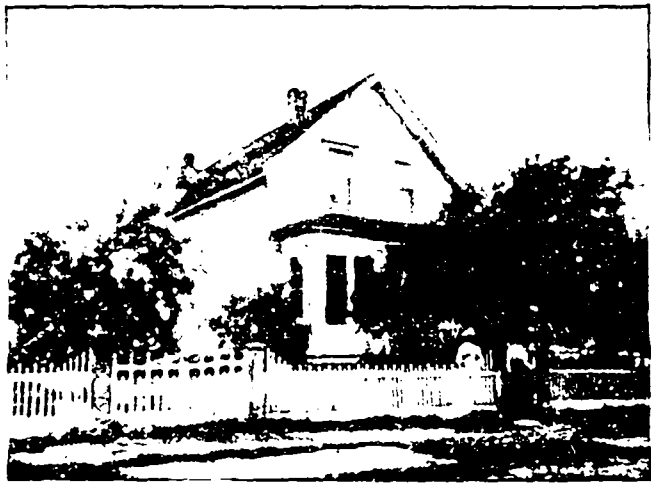
HIGH SCHOOL, STELLARTON, N. S.



VIEW OF QUEEN ST.



STORE OF J. H. MACDONALD, STELLARTON, N. S.



RESIDENCE OF JAS. MITCHELL, ESQ., STELLARTON, N. S.



RESIDENCE OF MR. H. S. POOLIE, GEN. MGR. OF THE ACADIA COAL CO., LTD., STELLARTON, N. S.



METHODIST CHURCH AND PARSONAGE, STELLARTON, N. S.



MAIN STREET, STELLARTON, N. S.



RESIDENCE OF DANIEL J. McDONALD, STELLARTON, N. S.



RESIDENCE OF W.C. McDONALD, TOWNSHIP OF ER. STELLARTON, N. S.



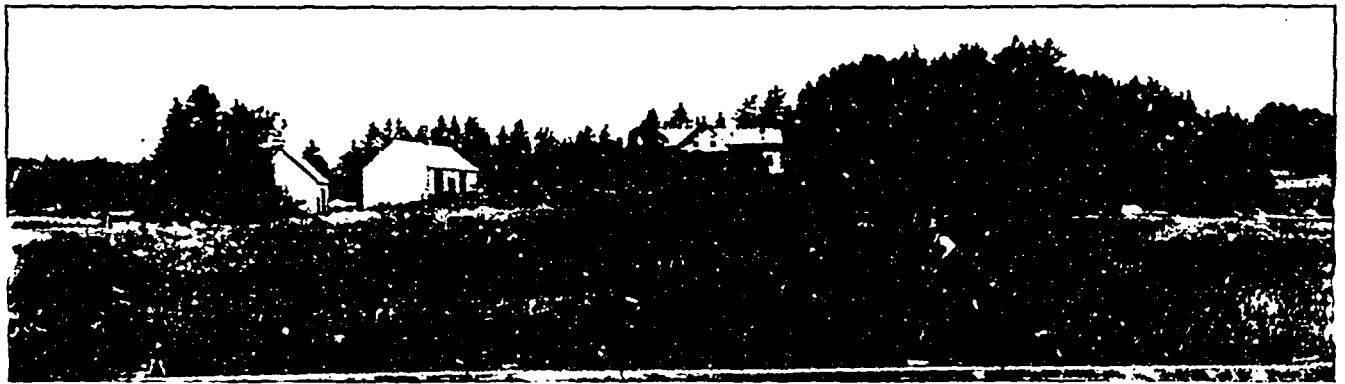
RESIDENCE OF MR. J. R. LITTLE, TOWNSHIP OF STELLARTON, N. S.



RESIDENCE OF J. H. GIBSON, TOWNSHIP OF STELLARTON, N. S.



FARM OF MR. MCKAY, W. R. ROAD, SHOWING IN FRONT TEN ACRE PLOT, SEE ARTICLE UNDER THE HEADING OF AGRICULTURE.



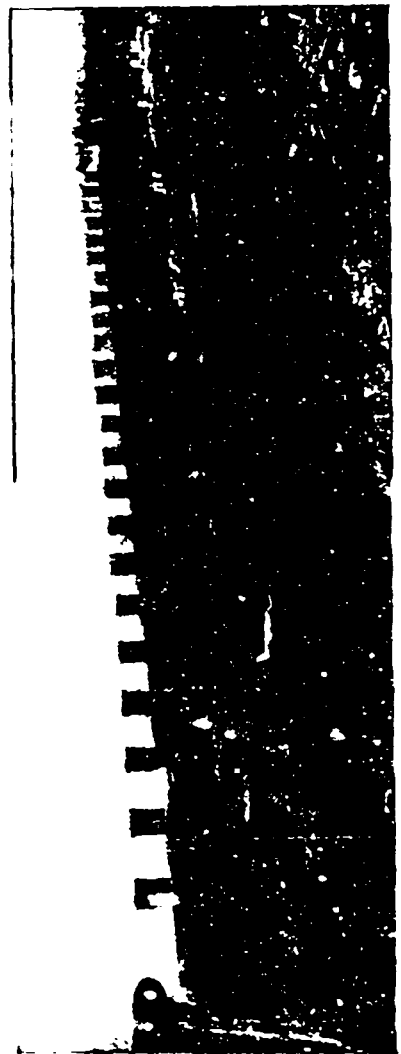
ROSS BROS.' FARM, BAY VIEW, PICTOU, N.S.



NEW STEELWORKS, N.S.



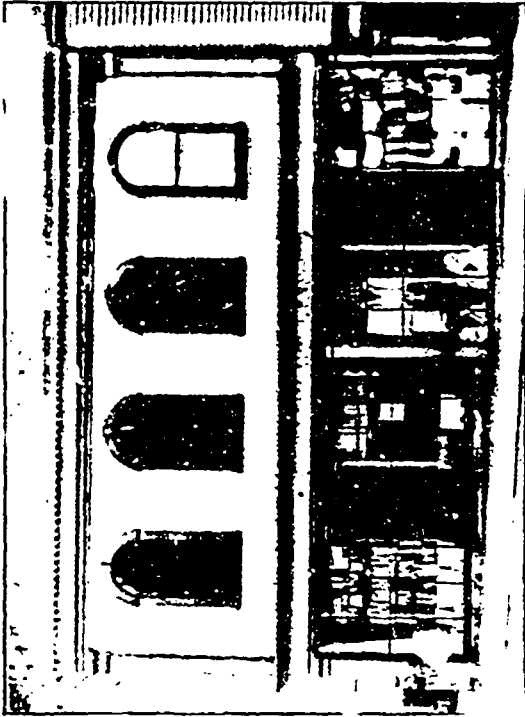
ACADIA COAL CO. LTD. OWNERS WESTVILLE, N.S.



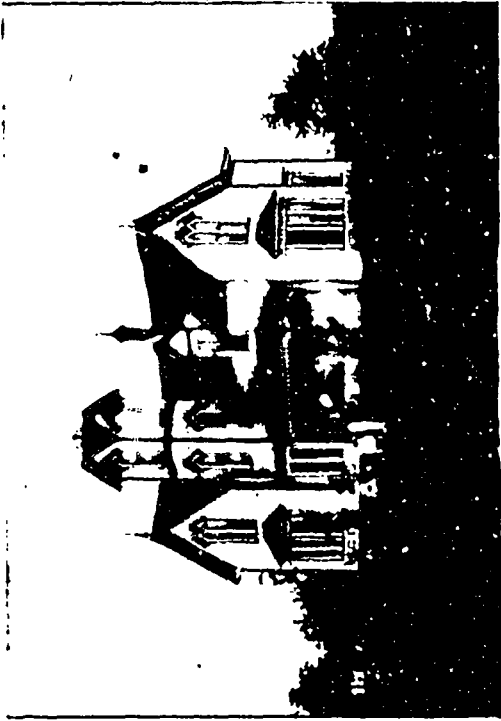
ALCO. LTD. PROPS. STEELARTON, N.S.



VIEW



MR. J. SMITH - HAT & SHIRT STORE, FICTOI

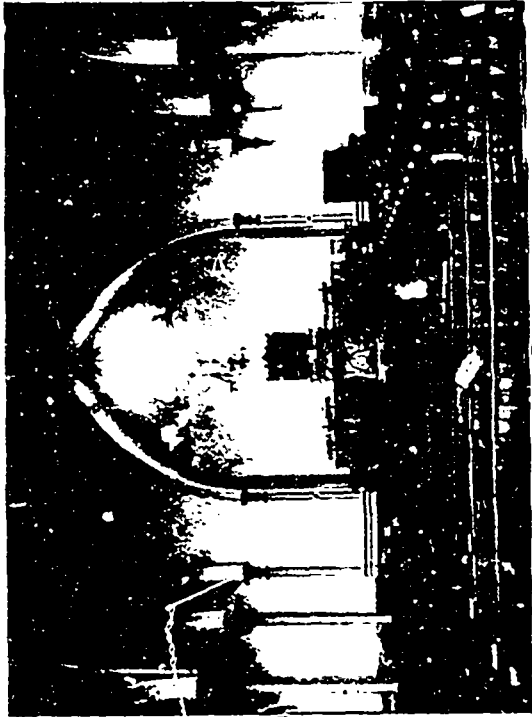


RESIDENCE C

FVILLE, N.S.



STELLA

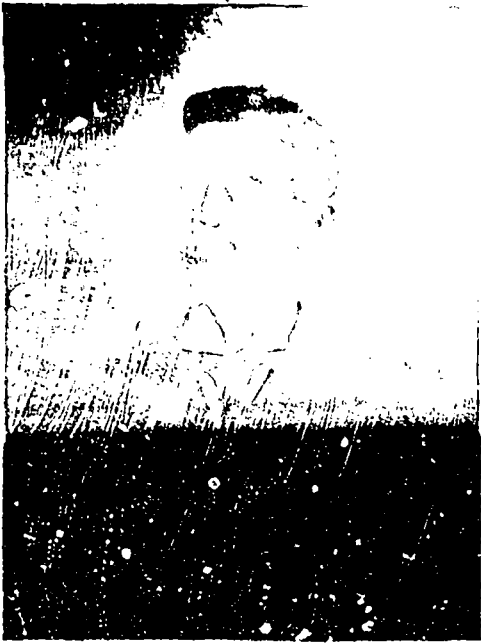


PRESBYTERIAN CHURCH INTERIOR VIEW, STELL



STANI

S



MR. JOHN FELLOWS, ACTING MAYOR,
STILLARTON, N.S.



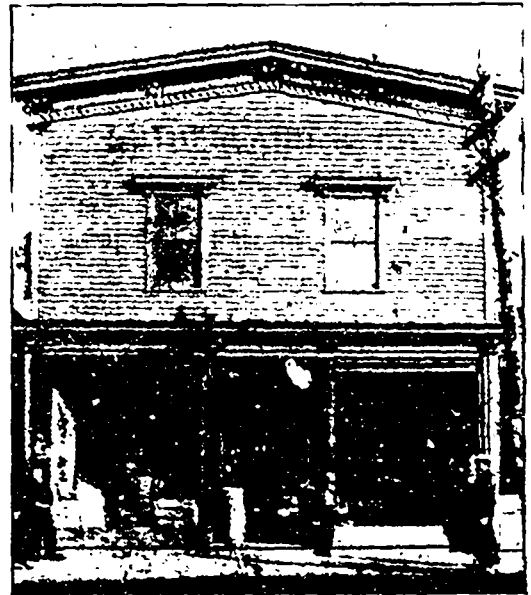
E. M. MACDONALD, M.P.P. OF PICTOU, N.S.



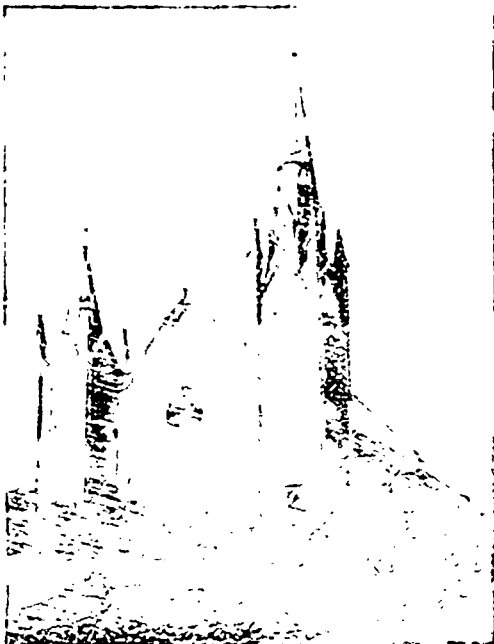
ROBT. A. MACDONALD, MAYOR OF WESTVILLE, N.S.



THE PICTOU ADVOCATE BUILDING, IN COURSE OF CONSTRUCTION,
PICTOU, N.S.



SUTHERLAND & CO., DRY GOODS, WESTVILLE, N.S.



ST. JAMES CHURCH, PICTOU, N.S.



MORRISON BROS., PICTOU, N.S.



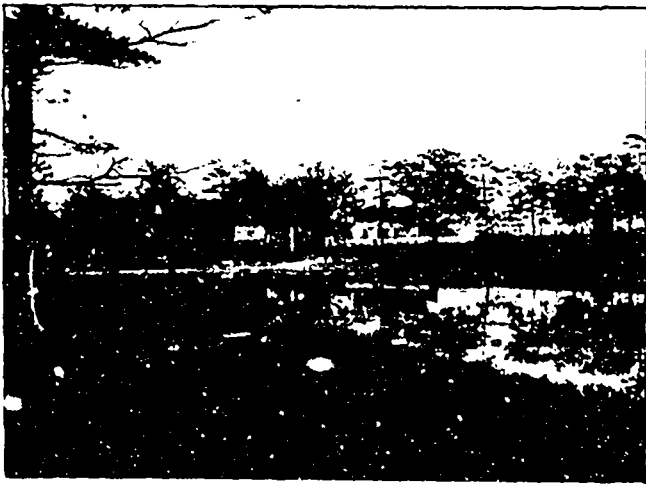
ACADIA LOYAL ORANGE HALL, WESTVILLE, N.S.



BELOW THE FALLS AT BARRAS, PICTOU, N.S.



STELLARTON HOCKEY TRAM, STELLARTON, N.S.



MOUNT RUNDLE PARK, THE POND, STELLARTON, N.S.



PUMPING STATION, STELLARTON, N.S.



ST JOHN'S "KIRK" CHURCH, STELLARTON, N.S.



PRESBYTERIAN CHURCH, STELLARTON, N.S.



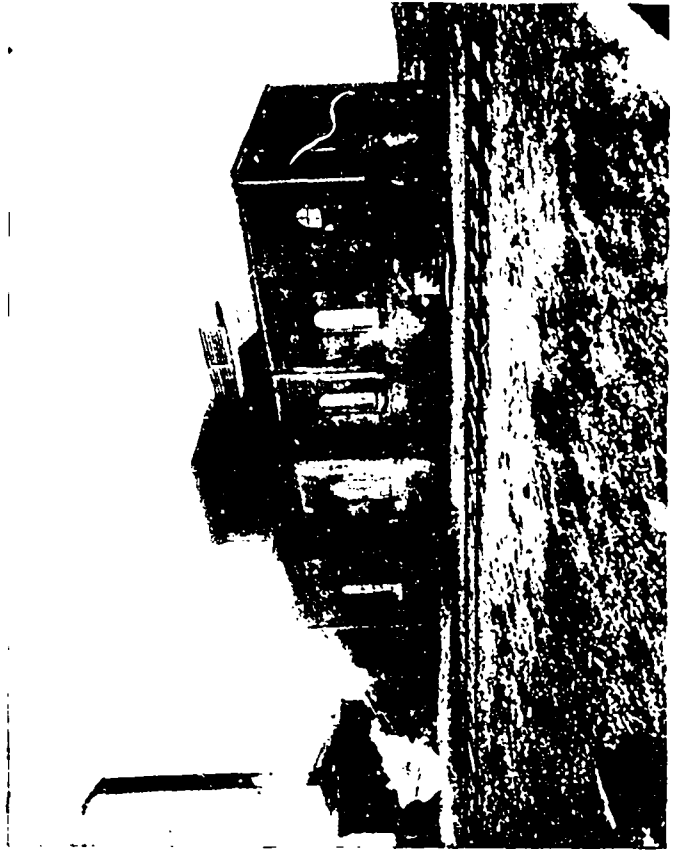
AN ENTRANCE VIEW, STELLARTON, N.S.



HORNES BRIDGE, WESTVILLE, N.S.



CLARK'S



NEWTON BUILT



BANK HEAD AND MOUTH OF SHIPPS DRUMMOND COLLIERY, WESTVILLE, N.S.

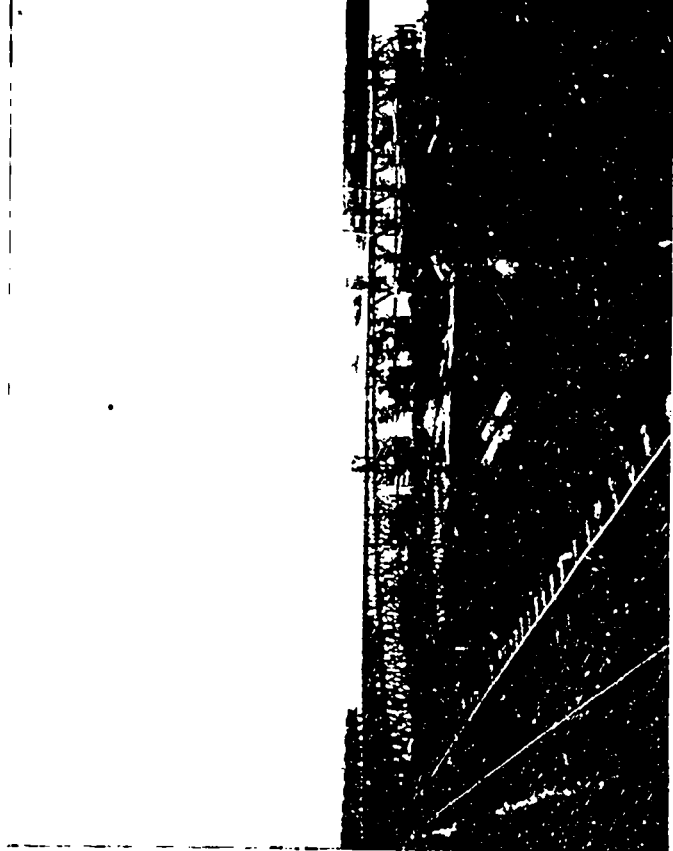


COAL WASHES, L.A. CANON, CHAS. DRUMMOND COLLIERY, WESTVILLE, N.S.



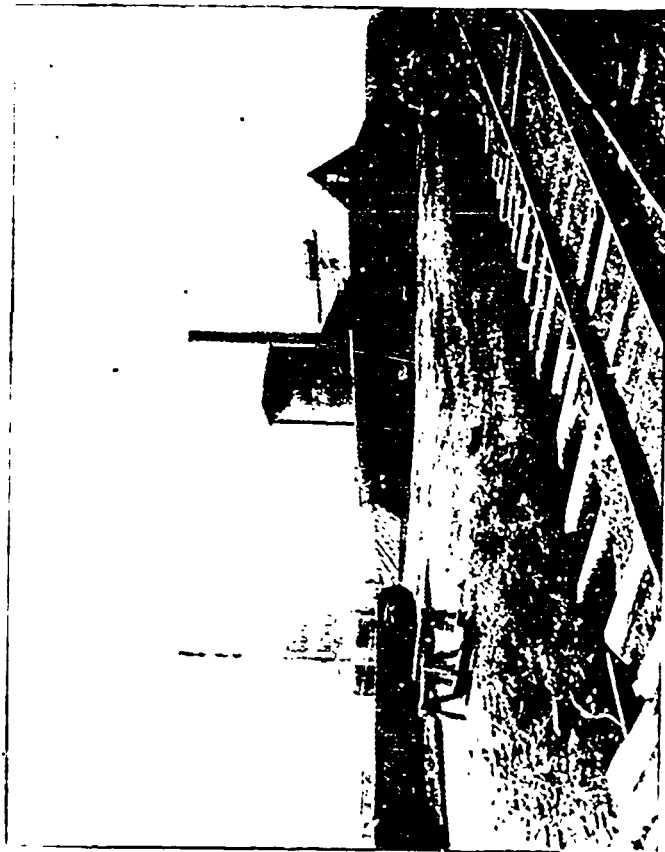
ACADIA COLLIERY, WESTVILLE, SHOWING ENGINE HOUSES AND S. RESS. ACADIA COAL CO., LTD., WESTVILLE, N.S.

NEW YORK, N.Y. ... WESTVILLE, N.S.

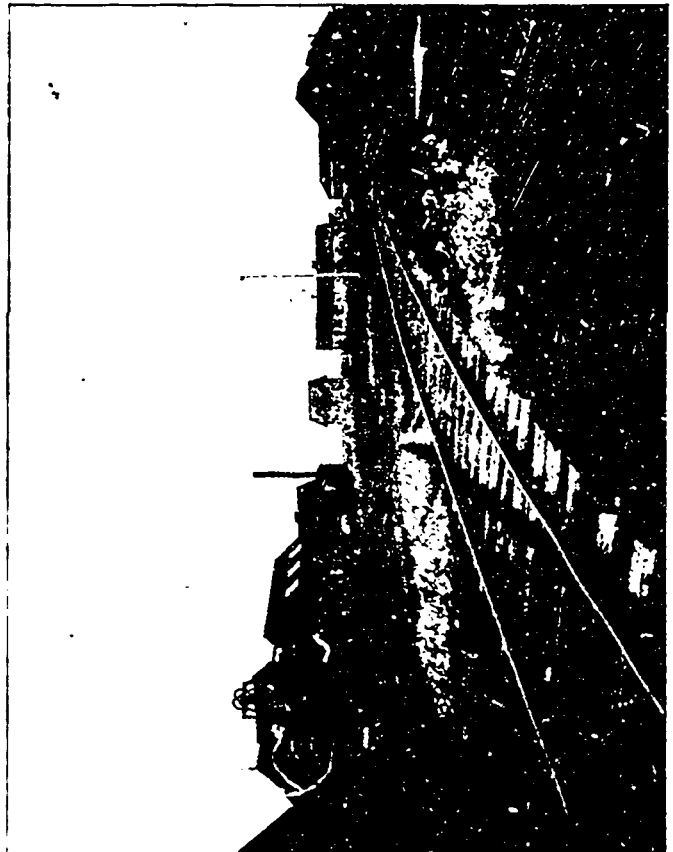


OLD LEAN BUILDINGS, DRUMMOND COLLIERY, WESTVILLE, N.S.

GENERAL VIEW OF WORKSHOPS, DRUMMOND COLLIERY, WESTVILLE, N.S.



OLD LEAN BUILDINGS, DRUMMOND COLLIERY, WESTVILLE, N.S.



GENERAL VIEW OF WORKSHOPS, DRUMMOND COLLIERY, WESTVILLE, N.S.



GENERAL VIEW OF ACADIA COLLIERY, WESTVILLE, N.S.



A WESTVILLE RESIDENCE, WESTVILLE, N.S.



RESIDENCE OF JAS. MACLEOD, MERCHANT, WESTVILLE, N.S.



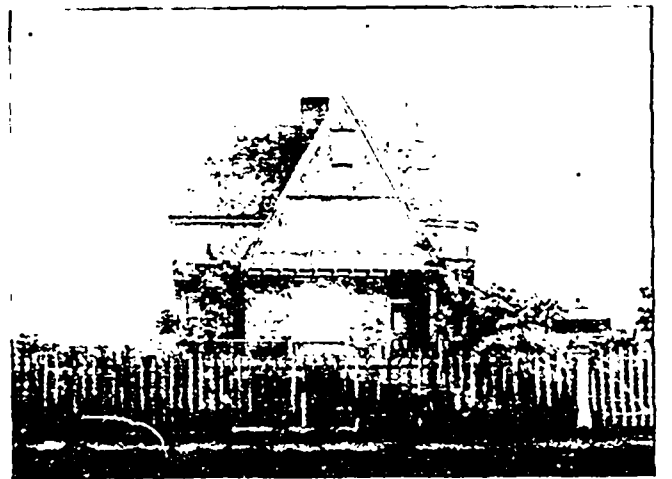
JAMES MACLEOD'S STORE, WESTVILLE, N.S.



W. A. REID, FRUIT AND CONFECTIONERY, WESTVILLE, N.S.



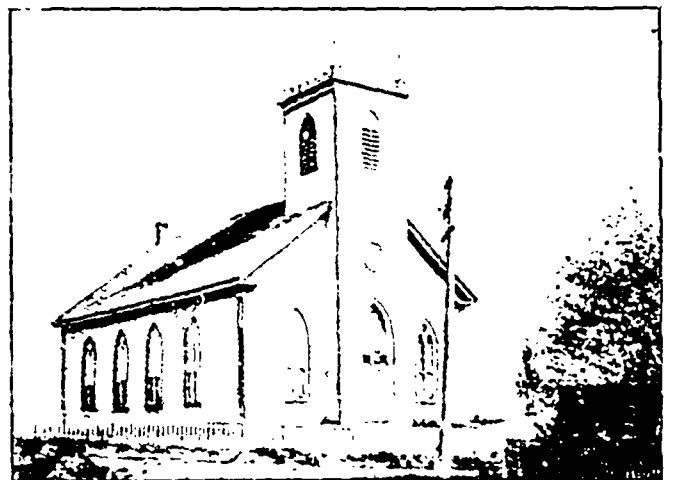
WESTERN STAR LODGE, MASONIC TEMPLE, WESTVILLE, N.S.



A WESTVILLE RESIDENCE, WESTVILLE, N.S.



R. C. CHURCH, WESTVILLE, N.S.



ST. PHILLIP'S PRO-CATHEDRAL CHURCH, WESTVILLE, N.S.

won for him much praise. In the cooler seasons he makes light pastry, and it is his purpose to give more attention to this department in the future, for he has found already a considerable demand for his goods. In their season oysters are served in every style, a much appreciated feature.

NOONAN & DAVIES,
Ship Brokers and General Commission Merchants.

One of the essential firms of Pictou is that of Messrs. Noonan & Davies, ship brokers and commission merchants. They are agents for the Charlottetown Navigation Co., whose fine boat, the "Princess," makes daily trips between Pictou and Charlottetown, P.E.I. Regarding this service it may be said that it is one of the best provided for of any that cater to the needs and comforts of tourist traffic. Though its run is comparatively short,—the sail from port to port being about 3 hours,—nothing has been neglected that contributes to pleasure, and the table spread is not surpassed by vessels of greater pretensions. Noonan & Davies are selling agents for the Acadia Coal Co., Ltd., whose offices are at Stellarton. Mr. Davies is agent for the Canadian Express Co., and is distinguished by the double honor of being the U.S. consular agent and vice-consul for Norway and Sweden for this port.

J. MCK. BEATTIE,
Bookseller.

J. McK. Beattie's line is mainly books, and his love of them and intimate knowledge of good literature have made him enjoy his work to the full. He carries always a full line of miscellaneous and standard works, and is to the fore in securing the newest fiction. He conducts a lending library, whereby patrons for 5c. to 10c. may enjoy reading the books of the day as they appear. In school textbooks, in bibles and hymn books, in blank books and office and other stationery Mr. Beattie carries full stocks.

Fancy goods of all sorts and souvenir goods find here a natural and ready sale.

Another department, and one which has proved itself to be no small one, is that of wall papers. Mr. Beattie sells for the most part the product of the well known manufacturers, Colin McArthur & Co., of Montreal.

C. W. IVES,
Broker and Commission Merchant.

It is upwards of 70 years ago that the father of Mr. C. W. Ives began business in Pictou, and the present proprietor has been 33 years a servant of the public in different capacities. Among other things he is agent for the Intercolonial Coal Mining Company, who operate the Drummond Colliery, and attends to the shipping from this port. He is also a custom house broker, and many vessels' cargoes are entrusted to him for entering and clearing. As a commission merchant, Mr. Ives handles all sorts of commodities, and his good connection serves his customers to their advantage. He repre-

sents the Dobell line of boats running between Pictou and Montreal, and is agent for the Royal Fire Insurance Co., of Liverpool, England.

Joined to all this Mr. Ives is a ship broker, and transacts not a little business in this direction. His office on Water street is well located and is bright and comfortable.

JAS. D. B. FRASER & SON,
Dispensing Chemists.

One of the staunchest firms in Pictou is the old house of James D. B. Fraser & Son, which was established in 1828. Mr. Fred. W. Fraser is the present proprietor. His store on Water street is well set off, as drug establishments should be. It is needless to outline the stock. It is sufficient to say that it is considered by those who know to be exceptionally complete, and if it should happen that an article or preparation is needed not in stock, the promptest effort is made to secure it. Further, the most absolute reliance may be placed upon the quality of the drugs dispensed here.

Mr. Fraser has interested himself to a greater or less extent in the mining of the Province, and follows with keen interest the development of the mineral wealth of Nova Scotia.

W. D. MCKENZIE,
Tin Plate and Sheet Iron Worker.

One of Pictou's busiest men is Mr. W. D. McKenzie. For 10 years he was connected with the gas works, leaving them about a year ago to enter business for himself. However, he still continues to do all the plumbing, etc., in connection with the works. It is quite probable, too, that when the water works are an established fact in the town that Mr. McKenzie will find his services in such frequent demand that he will require to increase his staff.

He does a good business in stoves representing the Enterprise foundry, of Sackville, and the Record foundry and Machine Co., of Moncton, also in hot air furnaces. The lobster industry in this locality calls for the production of large quantities of supplies, and a goodly proportion of such business falls into the hands of this house.

W. M. MUNRO,
Photographer.

When the architect was preparing plans for the erection of Mr. Maclean's "Victoria" block, Mr. W. M. Munro was privileged in being permitted to have the necessities of his own calling specially considered. His photographic studio, with its suite of rooms for operating, developing, printing, and for reception and toilet purposes is singularly complete. Mr. Munro is Pictou's leading photographer, and many of the engravings of this issue of the "Review" are from photographs by him. He carries also a stock of hand and tripod cameras for amateurs, and amateurs' supplies. A considerable business in room and picture mouldings and in picture framing is done, in conjunction with his other work.

THE R. TANNER CO., LTD.,
Manufacturers and Dealers in Boots and Shoes, etc.

The history of this business dates back to 50 years ago, when Richard Tanner, now an old man of 85 years of age, opened up a small shoe shop. Soon afterwards manufacturing was begun, and has continued ever since, only in largely increased proportions. In 1898, the firm of R. Tanner & Son was converted into a limited liability company, whose manager is Mr. W. F. Tanner. The goods are all hand-made, and are mainly staples, and make up a general range. There are a few lines worthy of special mention. One is their grain leather fishing boot. Another is the "Aberdeen" bal, a boot largely copied by other makers. It is a short cut grain leather boot, having large eyelets, warranted waterproof, and an excellent seller to farmers, working men and miners. Another line is the "Klondike," made in large quantities. It is of grained leather, lined throughout with heavy felt, bellows tongue to top of leg, reinforced shank, with slip sole,—a boot which has given universal satisfaction, to each pair of which is attached a ticket guaranteeing the waterproof and frost-proof qualities, the workmanship and wear. This company jobs other makers' goods of a sort they do not manufacture themselves; also rubbers, sole and upper leathers and shoe findings.

Their retail store is among the finest in the Province. The goods are attractively shelved and are accessible by means of bicycle step ladders. There are no counters. This firm gives a good deal of attention to their window displays. The "Slater Shoe" agency is here, and a full stock of the different qualities, lasts and colors is always kept. The "Review" shows elsewhere this Company's premises.

J. SMITH GRANT,
Dry Goods.

In an illustration elsewhere will be seen the two stores, or rather the double front of one store, belonging to Mr. J. Smith Grant.

Mr. Grant conducts one of the chief businesses of Pictou, and his dry goods establishment is quite extensive, containing many departments, all of them well stocked. Fancy dry goods, of course, are carried to some extent, but reliance is placed for the most part on staples.

The house furnishing department is strong in carpets, oilcloths, curtains and curtain stuffs, and in table linens, such staples as towellings, sheetings, tickings, cottons, flannels, etc., make up a big range. In the ladies' department of this business, the strong features are dress goods, mantles and costumes.

In both men's and ladies' goods a large stock of ready-to-wear clothing is kept. An ordered tailoring business is also done. The endeavor is to have metropolitan styles, and the fact that Mr. Grant has been successful in meeting the wants of particular people is evidence that he keeps his stock right. A large proportion of the stock is imported

from the Old Country, and the advantages of such buying are shared with his customers.

H. BRYENTON,
Carriage Builder.

Pictou's only carriage builder is Mr. H. Bryenton. He is a capable wheelwright and wood worker, and carriages and waggons of his all through this section have proved his best advertisement. His work is hand made, and thus no flaws enter into his vehicles. Perhaps the largest and most valuable phase of Mr. Bryenton's business is his repair work. This crowds in upon him to such an extent that he finds it difficult to keep pace with its requirements.

Mr. Wm. Brennan, painter, does all of Mr. Bryenton's carriage painting, besides house and sign painting generally. They work together in the same building most harmoniously, and each serves the other in attracting and securing business.

A. HISLOP,
Men's Outfitter.

There is no doubt about the business done in the establishment of A. Hislop. The great specialty is ready-made clothing. This is bought from the firms that can supply the best values. Where a dollar will bring most in quality and finish, this is what guides Mr. Hislop in his purchases. Further, he has a great deal of clothing manufactured specially to his order, he supplying the cloth, chiefly Oxford tweeds. In this way he knows the article he is selling through and through. Mr. Hislop's other departments, such as collars and cuffs, shirts, underwear, neckwear, hats, caps, and outing goods, bring him into touch with another class of customers whose call is for the best and noblest things, and one is afforded here an excellent choice in everything pertaining to men's furnishings. Mr. Hislop is of that happy temperament that does not know the meaning of worry, and his good nature is contagious.

JOHN MUNRO,
Grocer.

Mr. John Munro, assisted by his brother, William Munro, carries on a very nice grocery trade on Front street. He caters to a rather varied trade, including a good proportion of the best people of Pictou, and a great number of the lobster packers along the northern shore of Nova Scotia. This last phase of his trade is a very important and profitable branch. One striking feature is their method of handling coal oil. Ordinarily this is a disagreeable task, but Munro's grocery is equipped with one of the famous Bowser oil tanks with pump attachment. By this device oil is both measured and filled in the one operation, and with no leaking and soiling of the hands. A considerable business is done with ships' stewards in grocery supplies and provisions. This is the result of location and twenty years of honest dealing. The stock is neatly kept and comprises a general line of staple goods.

MEAGHER & DOHERTY,
Butchers and Fish Dealers.

For 70 years the Meaghers have engaged in the meat and provision trade of Pictou, and consequently this house is one of the oldest in the town. Of the Meaghers the representative of the third generation continues the business of his fathers, and with him is associated as partner, Mr. Doherty, "for only thirty years," as this gentleman puts it. Their convenience to the harbor has lent to this firm's doing a very large trade in meats with the steamers leaving this port.

Mr. Doherty has been for a long time an extensive packer of lobster, but recently has practically disposed of all his interests in this direction. The firm pack Nova Scotia salmon to a limited extent wholly for sale within own counter, and the very superior quality of the article they prepare is greatly appreciated, and the supply is never sufficient.

Mr. Doherty is Chairman of the Harbor Commissioners for Pictou port. He also owns the tow-and pleasure-boat, "May Queen," which is kept busy in the lobster fishing season in the employ of the government, and in the summer season by picnic parties.

C. DWYER & SON,
Ship Brokers and General Agents.

Mr. C. Dwyer, or Captain Dwyer, as he is better known, is perhaps the oldest man in Pictou going regularly to his office and transacting business. He has passed the four-score year mark, and to judge from his vitality of mind and body is likely to live years longer. In his younger days he was a sea captain, sailing to all parts of the globe. Latterly he has acted as ship's broker, and is agent for the Quebec Steamship Co., whose vessel, the "Campaua,"—a cut of which appears elsewhere—sails between Montreal and Pictou, and intermediate ports. The buying, selling and chartering of vessels, and other phases of a ship brokerage office is done by Mr. Dwyer. He is agent also for Acadia Coal Co., Ltd., of Stellarton. Mr. Dudd Dwyer is with his father. In addition he is the C.P.R. agent at Pictou, and has proved himself to be an energetic business getter for his company. Mr. Dwyer has spent a part of his life in Southern California, where he owns a ranch.

Mr. C. Dwyer is consul for Austria, France and Germany for Pictou. Last year he was presented with a handsome medal by the Emperor of Austria for services rendered in the interests of Austrian shipping.

K. J. MACKENZIE,
The Minto Pharmacy.

Twenty years ago Mr. Mackenzie was a well known druggist in this town, but about that time he removed to the United States, and had been following his profession there until April last, when he returned to Nova Scotia and to his old home. His store on Front street is a very attractive one, and is named "The Minto Pharmacy." It is, of course, brand new, finished throughout in cherry.

Mirrors, show cases and other furniture all show to advantage, and make this establishment a pleasant one to enter. Mr. Mackenzie is a charter member of the Nova Scotia Pharmaceutical Society, and a member of several American societies, his last distinction being his election to membership in the Massachusetts College of Pharmacy. The dispensing department is cared for by Mr. Mackenzie himself.

ROBB, HANNAN & McDONALD,
Iron and Brass Founders.

The newest enterprise in Pictou is the iron and brass foundry by Messrs. Robb, Hannan & McDonald. Mr. Jos. Robb comes from the Robb Engineering Co., of Amherst, and superintends the moulding shop. Mr. D. A. Hannan has been with I. Matheson & Co.'s foundry at New Glasgow, and before that with the Lunenburg Foundry Co. He is the machinist and draughtsman. Mr. Ronald McDonald is a marine engineer, in charge of the Steamer "Amelia," running between Pictou and the Magdalen Islands. His great value will consist in securing for his firm all sorts of marine work and repairs. It is the intention of these gentlemen to build marine engines and boilers and mining machinery. In addition they do all kinds of general machine work and repairs. Several buildings have already been purchased, and plans are made for the occupation of others. A complete equipment of lathes, radial drills, planers, and other machinery, all of the best models, has been installed. Pictou has long needed a concern of this sort, and Robb, Hannan & McDonald have made a wise choice in their location.

BARRY BROS.,
Planing Mills.

The largest and oldest business of its kind in Pictou is that owned by Messrs. D. A. & A. D. Barry. In 1838, Wm. John Barry, father of the gentlemen above named, put up the first grist mill ever seen hereabouts, and shortly afterwards a saw mill. Both these mills are still used, and are out from the town only a mile. Recently Barry Bros. acquired the business begun by Johnstone & Co., hence their operations are quite large. A spur of the railway runs into their yards, and being on the water front, they have a good wharf. A good deal of pine lumber is received from Ottawa; other lumber comes from the forests of New Brunswick and Nova Scotia. Part of it is re-shipped and the other portion is made into sashes, doors, and all kinds of building material.

Other lines handled are laths, shingles, cement, drain pipes, brick and tiles.

GEO. McLAREN,
Furniture and Undertaking.

Mr. George McLaren has the only furniture and undertaking business in Pictou. His stock is very large. Dining room, bedroom and parlor furniture in the newest designs and most favored woods, are kept well stocked. Fancy pieces, such as tables, bookcases, writing desks, chairs, rockers, couches, are shown

in great variety, stock being all imported.

This firm's undertaking business is an important branch. A large stock of cast-iron, trimmings, etc., is kept, and two hearses are required to meet the necessities of their constituency.

Mr. McLaren has been in Pictou his lifetime, and during the 35 years of his business career has successfully met and overcome all opposition by competitors.

J. A. STALKER & CO.,
Grocers.

On Coleraine street, directly facing Water street, is the firm of J. A. Stalker & Co., groceries and crockery. This house was established in 1868, by the two brothers, J. A. and A. P. R. Stalker. Stalker & Co.'s business to-day is chiefly in groceries and flour, and in crockery, wall paper and window shades are a specialty. Paints, oils, and some shelf hardware are handled. The aim of this house is to supply a worthy class of customers with goods of assured merit, and in this endeavor they have won for themselves the confidence and esteem of all. The crockery section is specially strong in staple and fancy goods. Dinner ware makes up a good assortment. Import packages, comprising various lines, are regularly received, and lamps and lamp goods are given prominence.

JOHN R. MACDONALD,
Groceries and Crockery.

One man in Pictou who appreciates a handsome store is Mr. John R. Macdonald. A view of the interior of his premises, shown elsewhere in this issue, will bear out this statement. The store is finished throughout in native ash. The premises have a frontage of 30 feet, with a depth of 60, and there are three floors in addition to a good basement, all of which are used for stock purposes. Mr. Macdonald has been serving the public for 25 years. He carries a very nice line of fine and staple groceries, and confectionery, and must enjoy a favored trade. But it is to his crockery section that the eye goes instinctively, and it is not difficult to believe that it is in this department that the proprietor himself takes most delight. Of course, the ordinary lines of open stock delf, of medium quality dinner and tea sets, of plates, cups and saucers, of glass ware, are all carried. But Mr. Macdonald has gone further, and the result is a very creditable showing of fine china. Wedgewood, Japanese, German, Austrian, French, and English china are freely displayed. Some very pretty things in vases, cabinets, jardinières and fancy figures are to be seen. Two unique lines are some German china pieces, with Pictou views imprinted on them, and a variety of children's mugs of English manufacture of odd designs and having on them quaint old sayings and adages.

E. CAMERON,
Tin and Iron Plate Worker.

For 14 years has Mr. E. Cameron catered to the public needs in tinware, stoves, enamelled ware, and in other lines

usually associated with such a stock. He does a considerable business for the Enterprise Foundry Co., of Sackville, in stoves, and has undertaken not a few hot air furnaces for private dwellings. Refrigerators are handled, and ice cream freezers. Many novelties in wire goods are shown, all of them useful, and some of them not obtainable elsewhere in town. Mr. Cameron is a practical man and gives his business close attention.

R. W. OLIVER,
Dry Goods.

Once Mr. R. W. Oliver engaged in a general dry goods business, but gradually he has reduced his lines, until now men's furnishings constitute his stock. His specialties are custom tailoring, ready-made clothing and hats, Christy's, of London, being his chief line in this last named department. Underwear, collars and cuffs, shirts, bicycle and out-ling hose, sweaters and caps are also leading features. Trunks and valises are handled in addition. He has for years been considerably interested in the lobster industry, owning two factories, a score or so of boats, and manufacturing lobster cans in the winter time, not only for his own factories, but for seven or eight others. He sends his entire pack to London.

MRS. McARTHUR,
Millinery Store.

Mrs. McArthur opened up in Pictou 5 years ago, and hers is the only establishment of its kind in Pictou. Millinery exclusively is handled, and the constant aim is to have a full stock of everything in this connection, and all up-to-date, and of the newest. Mrs. McArthur visits each season both Montreal and Toronto, and thus keeps in touch with the latest styles and ideas in her especial line, and her "show-days" in spring and fall are largely attended. Plumes, laces, ribbons, veerings, flowers, and ornaments; straw and felt hats in approved shapes; in short, everything as it appears, is put in stock. Business with Mrs. McArthur is always good, and much reliance is placed on her advice by her customers. Children's, bridal and mourning millinery are all dealt with with the same success as characterizes her other work.

D. DOUGLAS,
Custom Tailor.

Mr. Douglas does a very fine custom tailoring trade and carries a select stock of English, Scotch, Irish and French fabrics, as well as of domestic goods. In addition to this, is a stock of gent's furnishings, in which are seen all the latest novelties in shirt patterns and neckwear. Ready-made clothing is also handled to some extent. Hats and caps, and furs in winter, make up another department. Mr. Douglas has his store very nicely furnished in ash, ceilings, walls, shaving and counters, and the result is very pleasing, giving a bright, clean, fresh look to everything. The "Review" shows elsewhere an interior view of these premises. Business cares have not robbed Mr. Douglas of his love of out-

door life, and many a lay is spent by him with rod or gun along the pretty shores and streams of Pictou County.

A. HENDERSON & SON,
Boots and Shoes.

Among the old established firms in Pictou is the boot and shoe house of A. Henderson & Son, which was founded in 1830. The surviving partner, Mr. D. C. Henderson, has been in connection with the business for the past 30 years, but he has not changed the old name of the firm. A general stock is carried of fine and medium quality shoes. Mr. Henderson carries notably the makes of the J. D. King Co., of Toronto; Jas. McCready & Co., and J. & T. Bell, of Montreal; and the famous "Queen Quality" shoes, made by the Thos. G. Plant Co., of Boston. Mr. Henderson controls this last line for Pictou, and his success with the "Queen Quality" has been quite remarkable.

Besides its retail business this house does a large jobbing trade in leathers and shoe findings.

D. FULLERTON & SON,
Pictou Sash and Door Factory.

For 40 years Mr. D. Fullerton has been before the public of Pictou and the adjoining country. For the past dozen years or so, he, together with his son, Mr. Edward A. Fullerton, has been engaged in the manufacture of doors, sashes, shop fronts, mantles and mouldings, sheeting, flooring, etc., for which there has been created a large demand. Laths, shingles and cements are handled in considerable quantities. Pine, spruce, birch, ash and poplar are the woods mostly used, though there is occasional call for walnut, oak, cherry, and ash, a stock of which is kept on hand. The product of this factory finds an outlet not only in the surrounding country, but also and very largely in the Sydneys, and along the western coast of Nova Scotia and in P.E. Island. The equipment of their factory is complete, only the best machinery being used.

J. PRINGLE & SON,
Tailoring Establishment.

There are several good tailoring establishments in Pictou, but none better than that owned by G. Adam Pringle, under the name of J. Pringle & Son. This business was begun in 1864 by the late J. Pringle, Esq., whose death occurred about two months ago. A high-class custom tailoring is done, and a select stock of fine imported and domestic cloths is always carried, consisting in a general classification of worsteds, vicunas, and tweeds. About 10 hands are employed and the firm are kept busy all the year round. Indeed, the difficulty experienced is not to keep the staff employed, but in securing sufficient help. Whatever may be said in behalf of or against ready-made clothing, its sale has not affected the custom work of Mr. Pringle. This is a tribute to the quality both of his workmanship and of his customers. The "Review" is able to reproduce in its illustrated supplement a

photograph of the interior of the store of J. Pringle & Son.

W. CARSON,
Sheet Metal Worker.

In a commodious building with large showroom and workshop, Mr. Carson does a steady business in stoves, tinware, enamelled ware, etc., while some tinware is bought from jobbers, particularly of a description requiring special machine, and of comparatively limited demand. Other lines are made up on the premises. Stove pipes are naturally a big item, and eaves troughing is done. Mr. Carson deals quite extensively in stoves, and represents Charles Fawcett, of Sackville, in this line. A good many furnaces have been sold by this firm, mainly those from the Amherst Foundry, and occasionally some from Smart, of Brockville, Ont. Mr. Carson has been in business in Pictou for 15 years.

W. H. McLAREN & CO.,
Men's Furnishings.

For 24 years Mr. W. H. McLaren has been in business in Pictou. That seems and is a long time, yet Mr. McLaren is but a young man, not forty years of age. He is an experienced dry goods salesman, having been connected with this branch of trade since he was 12 years old. When he began business on his own account some 13 years ago, he confined his attention to men's furnishings, and to-day he has a fine trade in Pictou and the country adjoining. His policy has been to keep his stock fresh and up-to-date, and to this end he keeps himself well informed on the fads and fancies of men. Collars, cuffs, neckwear, shirts, in dress and colored, underwear, hosiery, hats and caps, make up a well chosen stock. His big business, however, is in men's ready-to-wear clothing, and good-fitting garments of a superior make and in choice patterns have secured for him an enviable trade, and many people who once were never satisfied with any but custom work have found in the clothing sold here an admirable and less costly equivalent.

ADAM CARSON,
Hardware Merchant.

About seven years ago Mr. A. Carson left the firm of J. & A. Carson to establish a hardware business worthy of Pictou, for he felt there was none at that time of the size or quality the place deserved. To-day he has practically the only hardware establishment in the town, and his success in the years since he opened has been well merited.

It is quite impossible to outline Mr. Carson's stock with any fulness. However, something may be said that will prove suggestive. Agricultural implements and supplies, bulldozers, hardware, ordinary shelf hardware, and the hundred and one things one expects to find in such an establishment are all kept. Pictou being a seaport, ship chandlery to some extent is always a feature of the stock. Mr. Carson supplies many lobster packers with such requisites as cordage, etc., to their very

great advantage. A good deal of prominence is given to pocket and table cutlery, razors and scissors. Sporting goods for the hunters and fishers, bicycles, hammocks, etc., are an appreciated department. Refrigerators, ice-cream freezers, lawn mowers and rubber and cotton hose in their season all sell well. Mr. Carson has achieved a notable success in the handling of paints and oils. He controls the agency for Pictou for the celebrated mixed paints made by the Sherwin-Williams Co. Two years ago there was a very strong prejudice against mixed paints in this locality, and Mr. Carson was unable to sell a half a dozen gallons. Last year, however, he sold 500 gallons, and already this year this amount has been needed. He impresses one as a man in complete touch with all phases of his business, and his well known energy supplies the rest.

J. W. PRIEST,
Chapside Shoe Store.

Mr. J. W. Priest began business in his own name in Pictou in 1894. His shoe establishment in one of the best known in the town. He has endeavored to sell the better quality of footwear. This does not mean that only fine shoes are kept, but it does mean that only shoes with a reputation for good wear are kept. It is necessary to keep a large stock of coarse and medium grade boots and shoes, but for those who want something finer, Mr. Priest has on his shelves the very class of goods required. In men's wear, McCready's make, of Montreal, and the \$4.00 and \$4.50 lines of the "King Quality" shoe, manufactured by the J. D. King Co., of Toronto, are kept. This house has the exclusive agency in Pictou for the "King Quality" shoe in both men's and women's lines. Other well known makers are represented, such as the Ames, Holden Co., J. & T. Bell, and the Tetrault Shoe Co., all of Montreal. A new agency for a shoe with a stamped price has just been undertaken. It is "The Sovereign" shoe, made by the Laddlow, Watson Co., of Aymer, Ont. A big trade is done in fishing boots for men engaged in the lobster trade.

THOS. TANNER,
Provisions, Groceries and Hardware.

Though in business here for only about 4 years, Mr. Thos. Tanner has been connected with the commercial world for the last quarter of a century. He is a son of Mr. Richard Tanner, one of the oldest inhabitants of Pictou.

In business Mr. Tanner carries a stock of provisions, general groceries, paints and oils, cutlery and shelf hardware. He does a very extensive business with fishermen. He is the local agent for several lobster packers, notably the firm of Burnham & Morrill Co., concerning which a few facts are appended to this article. A large trade is done in tobaccos and cigars.

Referring to the Burnham & Morrill Co., of which Mr. Tanner is agent, in the absence of its representative, G. T. Dealy, Esq., it may interest some to know that they own 28 factories in Nova Scotia, and take the output of many

more. They have two centres of operations, one for the southern shore at Halifax, and one for the northern coast at Pictou. They are the largest packers in this province, and one of the largest in the world. Their pay sheet for the month of May to men on the north shore alone was \$40,000. It would be interesting to know the total pack of lobsters of this firm from these fishing fields, but this item is not for publication.

F. J. TOBIN,
Watchmaker and Jeweller.

Directly opposite the Post office, on the Main street, is the attractive store of Mr. F. J. Tobin, jeweller. His windows catch the eye of every passer by, and contain some very fine and high class goods. Formerly the firm was known as Aston & Tobin, but 3 years ago Mr. Tobin became sole proprietor. A general line of watches, clocks, silverware and jewellery is kept.

Special attention is given to souvenir goods, and a large sale in them has resulted. Musical instruments, such as violins, guitars, mandolins, autoharps, etc., are carried. Mr. Tobin sells the Edison phonograph, and has placed quite a number in town. Engraving at this establishment is done free of charge to patrons, and Mr. Tobin enjoys the distinction of being one of the best engravers in the Dominion.

JAMES MACLEAN,
Books and Stationery.

The visitor to Pictou will be certain to pass favorable comment on the handsome block at the corner of Front and Coleraine streets, and at the head of Water street. The corner store is occupied by the owner, Mr. James Maclean, a gentleman who has been in business for 30 years, and who has taken a very deep interest in its educational life. Himself a student, it is not to be wondered at that he has made the handling of books his business, and the evidences of his enterprise and special bent is everywhere apparent in his fine stock. Until 1897, Mr. Maclean had his store on Water street, but with the erection of the Post office in a new location, and the shifting of the business centre, he decided to change his situation. His block is known as the "Victoria," in honor of the Jubilee year, and contains 3 stores, a photographic studio and offices.

Plate glass is used liberally, and with good results, both as regards appearance and light. An engraving of the building is seen among the illustrations of Pictou in this issue.

The shelves of this store are filled to overflowing with all sorts of good books. In the selection is reflected the tastes of the owner, and one is safe in saying that in few establishments of this character will there be found a more creditable collection. The classics in all departments of literature, in poetry and prose, are seen, and many standard works of a sort in which popular interest in most places has waned are to be had here. Art works of superior merit having appealed to Mr. Maclean, have had an unusual sale. Pictou has for years been known as

an educational centre, and so school text books are carried in great quantities and variety. Ship masters and mariners have learned to go to this store for charts, log books and nautical almanacs. Magazines and periodicals are received regularly from England and the United States, among them being some of the most scholarly. Incidentally, it may be remarked, that a bookseller can do a very great deal by the class of goods he supplies towards making the public taste. Blank books, commercial and society stationery, make up a strong department.

Tourists and students of literature find here the newest books of a worthy character that are published, and Pictou is to be congratulated on having so good a book store. Reference is made elsewhere to the brilliant record of Mr. Maclean's son in the recent examinations at McGill University, Montreal.

G. J. HAMILTON & SONS, Biscuits and Confectionery.

The pre-eminent business of Pictou is that of the firm of G. J. Hamilton & Sons. While some concerns of the town have had a career of varying prosperity, there has been but one record for this firm. From 1840 onward, for its history of three score years, there has been a continual enlargement, until to-day the name of Hamilton extends all through Eastern Canada, Quebec, into Ontario, to Newfoundland, to Trinidad and the West Indies. The founder of the business, G. J. Hamilton, now deceased, had at first but a small bakery. A few years later he added machinery for the manufacture of pilot and ship breads. This venture proving successful, other lines were undertaken from time to time as business warranted. Salesmen were sent out on the road, and soon trade came very fast. Afterwards, confectionery became a staple line, and now rivals in importance the biscuit department. The immense proportions of the candy manufacturing are best understood when it is stated that 8,000 lbs. a day of sweetmeats of all sorts are turned out. A specialty is made of chocolates, fine bon bons, fruit tablets, and penny goods. The full range includes 800 varieties. In the manufacture of biscuits, the factory has a capacity of 90 bbls. of flour a day, and the number of varieties exceeds 300. No biscuits in Canada are more attractively packaged, and the firm's claim of having the largest and finest assortment of labels for their ½ lb., 1 lb., and 3 lbs. cartons is not likely to be disputed. This applies as well to their fancy boxes for their confectionery. An engraving of a few of the best known of their brands and labels, but lacking their chief quality, their color, is shown in the illustrated portion of the "Review." In this connection it may be said that this house manufactures its own cardboard and wooden boxes, and does a good deal of its own printing. Three buildings, all of them large, are necessary for their extensive operations. Their entire floor space approximates 50,000 sq. feet. Each of them is fitted with the best and most modern machinery required in the various departments. One hundred and fifty

hands are employed, and when pay-night comes, Pictou merchants emphasize anew the value of this great factory to them and to the whole community.

Branch offices are located at Halifax and St. John, where also stock is carried, and teams kept for delivering and shipping.

The present proprietor of the business is Mr. Howard H. Hamilton. Until quite recently his brother Clarence was a partner, but has now retired. Mr. H. H. Hamilton is a man full of energy. His heart is not only in his own enterprises, but in all the commerce of Pictou. At present he is the President of the local Board of Trade, and fosters warmly every undertaking that makes for the town's growth and good. With reference to his own business, he is putting into it the full power of his being. He is in the prime of life, fearless and confident. Where others sell, he feels he can, and he has the proof of years to bear out his assurance. Any city might be proud of such a citizen, and Pictou, for whom a new dawn is felt to be appearing, is fortunate in having identified with its projects of development a man of such business astuteness and large views.

E. S. BROWN, Harness, Trunks and Valises.

It is but a little more than nine months ago that Mr. E. S. Brown assumed the business of his late employer, E. Watt, Esq. Eleven years of practical harness making, together with a wide acquaintance throughout the country gave him the good assurance of success, and in the past half year results have been gratifying. Some harness is imported, but the bulk of the output is of home manufacture, and is of eminently honest character. Single and double harness of all grades, from the light driving to the heavy farm kinds, is made to order and for stock. Carriage rugs, whips, and the many et ceteras of such an establishment are kept always on hand.

A considerable business in trunks, valises, and suit cases is also done.

HOGG, CRAIG & CO., Wholesale and Retail Grocers.

In a tall and handsome building, an engraving of which is shown elsewhere in the "Review," and in an ideal location for their purposes, Messrs. Hogg, Craig & Co. carry on an extensive wholesale and retail grocery business. The partners of this house are Jas. W. Hogg and A. J. Craig, the latter gentleman being the actual manager and buyer; while Mr. Hogg devotes his time to lobster packing, another phase of this firm's operations. The factory for this industry is on Pictou island, 10 miles off the Harbor mouth. Yet another of the enterprises of Hogg, Craig & Co. is their bakery, easily the first in Pictou, and supplying the bulk of the bread and pastry sold in the town. This department was formerly in the hands of G. J. Hamilton & Sons, the large biscuit manufacturers, as was also the grocery business, of which an account is herein given. But when Mr. Craig, their one

time representative on the road, left them 10 years ago to join Mr. Hogg, these two activities, the grocery and the bakery, were taken over, together with the good will, and the new firm has had a most prosperous record ever since. Referring to their grocery trade and the stock carried, in point of both quantity and quality, one is struck forcibly by the goodly display of all sorts of merchandise pertaining to this line. In addition to the usual staple lines ordinarily to be found in an up-to-date grocery house, one sees here an immense variety of the finer class of goods, largely imported, the demand for which in the majority of towns the size of Pictou is extremely limited. Canned and bottled goods are particularly noticeable. Fruits in their different seasons are handled in large lots, and Hogg, Craig & Co. are looked upon as headquarters for this class of merchandise. Another item that may be mentioned is the unusual stock of tobaccos carried. The firm has a bonded warehouse,—the only one, by the way, in the entire county. Tea is another line of conspicuous proportions, and is imported direct from London, and China. In a package tea their Star brand, in 3 grades, is packed for them by the well known London firm of Burbridge, Pritchard & Bartlett, a tea having an excellent repute among lovers of the fragrant cup. Flour and mill products generally are handled very largely; indeed this house is one of the biggest dealers in these lines in this section of the province. Their chief brand is the "Delight," put up for them by the Tilson Co., of Ontario. Warehouses for flour, etc., and other stocks adjoin the railway on the water front, and thus admirable facilities are afforded for shipping.

Hogg, Craig & Co. are agents for the steamer "Arcadia,"—a cut of which is given elsewhere,—a trim little steamer plying regularly between Pictou and Gulf ports, including the northern coast of Cape Breton, and the only vessel on this route, in consequence of which is a very creditable passenger and freight service.

From what has been said, it will have been perceived that this house in its several undertakings is a most important one to this vicinity, and its success has been well merited.

Mr. Craig has been Mayor of Pictou for the past two years, and the choice of the citizens was a very happy one. He has spared nothing possible for him to give for the welfare of his municipality, and any enterprise that promises to result in the building up of Pictou as an industrial centre, as a shipping port, or as a tourist resort, is sure of his heartiest co-operation. At the present time he is enthusiastically aiding the projected water works movement, and when this system is completed, there will be a lasting monument to his services in his town's behalf. He is also interested in the gold mining operations of the province, and has considerable technical knowledge on this subject. Mr. Craig's home is one of the sights of Pictou. The "Review" is pleased to be able to reproduce a photograph of his residence, as well as of Mr. Craig himself. Mr. Craig was captain commanding Pictou Battery,

Canadian Artillery, for eight years, retiring two years ago.

A. C. BAILLIE & CO.,
Staple and Fancy Dry Goods.

One of the largest and most important dry goods establishments in Pictou is that of A. C. Baillie & Co. Mr. Baillie, the present manager, has been in business for 30 years in this place, and is one of the town's best known and most esteemed citizens. When a few years ago the R. Tanner Co. were making over their building, special attention was given to A. C. Baillie & Co.'s requirements, and the premises of the firm are thoroughly up-to-date, with a frontage of 26 feet and depth of over 100 feet. The second floor is used for house furnishings, men's tailoring and reserve stock. The store is well lighted, and each department is shown to advantage. The millinery display and work rooms, and offices are in the rear, where is good light. This firm, while doing some importing, have found it is better business policy to replenish their stock often from the leading houses in Halifax, Toronto and Montreal. It is becoming a well recognized fact among both retailers and wholesalers that this is the course of wisdom. The public demands the freshest and newest goods and patterns, and the store that keeps its stock well sorted and bright with all the novelties that are to-day so characteristic of the dry goods trade is the one most patronized. A new feature of this store is ladies' made up costumes. Much attention has been given latterly to this class of goods by Canadian manufacturers, and very stylish garments are produced, and at a much less cost than is usually paid for ordered work. A. C. Baillie & Co. do ladies tailoring in connection with their men's ordered clothing department, but they find that the made-up suits are taking remarkably well. Ladies' blouses and shirt waists are joined to this department, and have a very large sale. The agency for the well known Perrin's gloves is with this house, also the Butterick patterns agency.

A. C. Baillie & Co. are doing away with the credit system in their business. The successful stores everywhere nowadays are those that make the cash principle their basis of selling and buying. It is always difficult in an old place and with old and good customers to make such a change, but the conditions of trade that obtain to-day make the cash system imperative; and it is to be hoped that all Pictou merchants and others will soon follow the example of A. C. Baillie & Co. in this respect.

THE McKENNA TOBACCO FACTORIES.

Several generations of the McKenna family have been engaged in the manufacture of tobacco, and, singularly enough, they have all borne the name Archibald. Tobacco manufacturing in Pictou dates back to 75 years ago, and was begun by the father of the present Senator Primrose. Archibald McKenna came out from Ireland to superintend

the factory. He learned the business from his father, and this perhaps accounts for the favor the tobaccos turned out from this factory enjoy in the Old Country, for it is said that Pictou tobacco more nearly resembles the home makes than any other made in Canada. Seventy-five years ago the factory became the property of its present owner, and has steadily prospered. Only imported leaf is used, and its warehouses, of course, are all bonded. "Pictou Twist," like Pictou sailors, and possibly by means of them, has travelled far abroad, and the name is known in Canada, the United States, in the British Isles, and in France. Other well known brands of smoking and chewing tobaccos, are, "Shamrock," "Bright Virginia Plug," and "Burley" and "Granulated Cut" tobacco, in a package. Thirty-five hands are regularly employed. Mr. McKenna ships all over Nova Scotia, Cape Breton, P.E. Island, New Brunswick, Newfoundland, the Canadian North-West, to England, and to France. Many French fishermen at St. Pierre have learned to use Pictou tobaccos, and when they return at the close of the season, their home dealers are compelled to handle their favorite tobacco. A recent shipment to France consisted of 15,000 lbs. The largest individual entry last year by any Canadian factory through the Excise Customs department was by this firm and amounted to 25,000 lbs.

On the 2nd July last, another factory for the manufacture of domestic leaf was opened by Mr. A. McKenna, Jr., and already things are in full swing, some 25 hands being employed. Not only does Mr. McKenna inherit ability, but he spent all last year in the South, among the large manufacturers of Kentucky, Virginia, and North Carolina. Thus he brings to his work a thorough knowledge of everything entering into the manufacture of good tobacco.

The two factories are not rivals in any sense, they are rather complementary. Each ships to the same customers, one foreign leaf, the other domestic. But it means a very much increased output, and a more assured place among the large concerns in this especial line.

Elsewhere in the illustrated portion of the "Review" will be found an engraving of "Glenalmond," the beautiful home of Mr. A. McKenna, Sr., and of his son.

THE GOVERNMENT HATCHERY.

One of our illustrations represents the interior of the Canadian Government Lobster Hatchery at Bay View, Pictou, Nova Scotia. This hatchery was established in 1891, and has been in operation every season since that time. Work commences about the 1st of May and continues until the 15th of July, and during that time from one hundred millions to one hundred and seventy-five millions of fry are hatched and distributed every season near Pictou harbor.

The eggs are taken from the parent lobsters at the lobster factories, where they are brought for canning purposes, taken to the hatchery and placed into glass hatching jars; five hundred thou-

sand eggs are put into each jar, through which a stream of pure cold sea water, conducted through glass tubes constantly flows, keeping the eggs constantly in motion, the water escaping from the top of the jar by a conical lip at the top. There are four hundred of these jars arranged on shelves, two tiers deep and four tiers in width.

WHEN THE SHELL

of the egg bursts the fry rises to the surface of the water and is carried by the circulating stream through rubber tubes into a large reception trough, where they remain but a few days. They cannot be kept in the trough in large quantities many days, as they are cannibals, and when crowded too closely together attack and destroy each other. To distribute the fry they are siphoned from the trough into wooden barrels open at the top, filled with sea water and conveyed by steamer to the fishing grounds and scattered over a depth of water from three to six fathoms. They are not thrown overboard in large quantities, but distributed with small dippers, or pass through a rubber hose ten feet long, with a funnel shaped box at the top, through which they descend to the surface of the water from the deck of the steamer.

This is the largest lobster hatchery in the world and the only one in Canada. There are two or three smaller ones on the United States coast, probably hatching about 20 millions of eggs yearly. The

GROWTH OF A LOBSTER

is about 2 inches a year, and when four years old, it reproduces.

About eighty-five millions of lobsters each season are caught in Canadian waters, a large proportion of which are packed into cans, hermetically sealed, for the European market, the principal market being London, England.

The fishing season is from the 15th December until the 15th July, the remainder of the year being the closed season for the protection of the lobster. The lobster packers and fishermen highly appreciate the good work which is being done by the Bay View Lobster Hatchery, whereby each year millions of lobsters are restored to the sea, which without it would be placed into the boiling kettle.

Mr. Alfred Ogden, fishery officer, Bedford, has superintended the operation of the hatchery ever since its construction and can vouch for the correctness of the above statements.

Cruickshanks & Cook, LIMITED,

74 Galbraith Street,
GLASGOW, SCOTLAND.

IMPROVED
NON-BREAKABLE
WROUGHT IRON SPLIT

PULLEYS.





A SESSION OF THE COURT OF QUEEN'S BENCH (Crown Side), holding criminal jurisdiction in and for the DISTRICT OF MONTREAL, will be held in the COURT HOUSE, in the CITY OF MONTREAL, on

FRIDAY, the Second Day of NOVEMBER next, at TEN O'clock in the Forenoon.

In consequence, I give PUBLIC NOTICE to all who intend to proceed against any prisoners now in the Common Jail of the said District, and all others, that they must be present then and there; I also give notice to all Justices of the Peace, Coroners and Peace Officers, in and for the said District, that they must be present, then and there, with their Records, Rolls, Indictments and other Documents, in order to do those things which belong to them in their respective capacities.

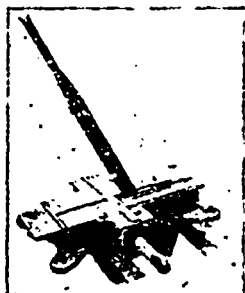
J. R. THIBAudeau
Sheriff

Sheriff's Office,
Montreal 12th October, 1900.

HENRY WILLIAMS.

Patentee and Manufacturer of Railway Specialties.
Telegraphic Address—
"Williams, Cathcart, Glasgow"

Railway Appliances Works,
Patent Spring Switch Lever for all varieties of hand-worked siding.



Used by the principal Railways in Great Britain.

Advantages:
The handle remains still when the switches are trailed,

EASIER AND SAFER FOR SHUNTING.

Preserves the adjustment of the connections and reduces the wear on the switch blades.

HENRY WILLIAMS,
Railway Appliances Works,
CATHCART, GLASGOW, SCOT.

A site has been selected near the foot of Jubilee road for a summer hotel to be built by an American syndicate at Halifax, N. S.

The corner stone of the new R.C. church at Berlin, Ont., was laid last week by Right Rev. F. J. Dowling, of Hamilton. The structure is to be of brick with red stone foundation, main tower 200 feet high, cost \$75,000 and to be completed in 1902.

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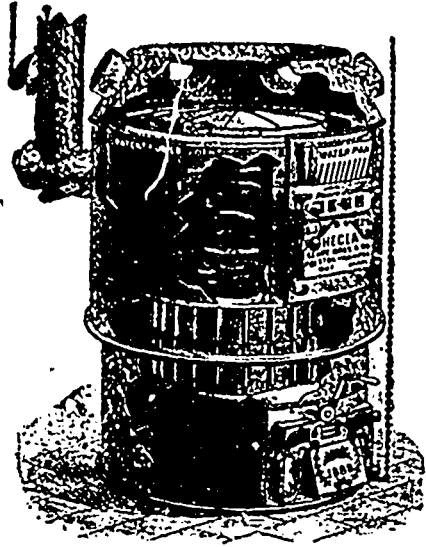
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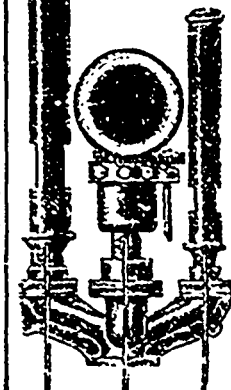
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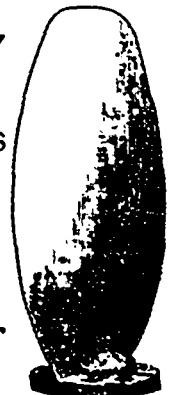
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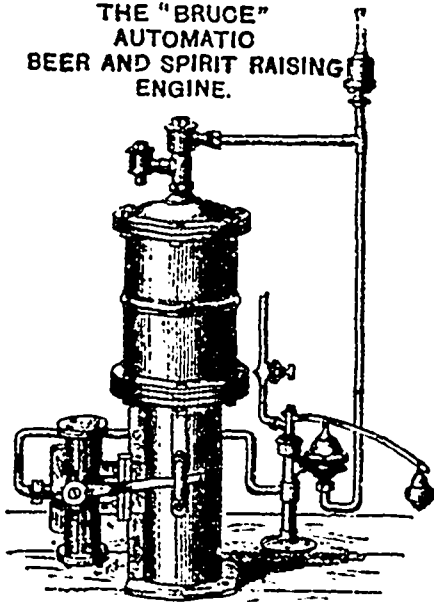
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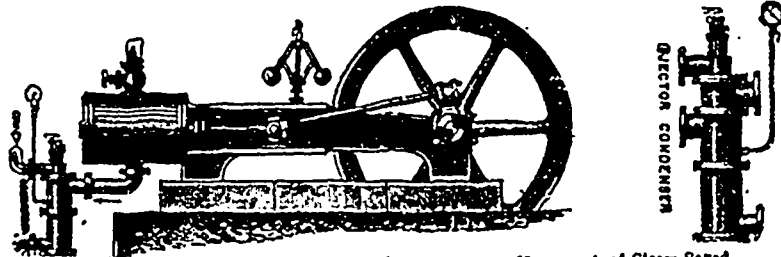
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The advantages of the trust companies as executors for estates is now being thoroughly recognized by the public who find in them guardians of their interests, far-seeing, and above suspicion. From their prominent position they are able to handle estates to an advantage out of the power of any private executor and to bestow upon it expert attention such as the average executor does not possess. The absolute security they can offer that every cent shall reach the heirs and their freedom from the temptation that besets the private executor to divert a portion of the sum realized to his own advantage, as well as from the carelessness or inattention with which the ordinary man takes up an estate in which he has individually no financial interest, recommend them to those whose families welfare depend upon the faithful and energetic handling of the assets they leave behind them. Thus the trust companies are becoming the favorite executors with all prudent and far-seeing men.

Prominent among their number is the National Trust Company of Ontario, Limited, whose head office is in Toronto, and whose Montreal representative is Mr. A. G. Ross. It is trustee for the following among other prominent companies:—Dominion Iron and Steel Co., Canadian Northern R. R., Crows Nest Pass Coal Co., Demerara Electric Co., Light and Power Co., Sissiboo Pulp & Paper Co., Sao Paulo Tramway Co., and many others.

Under its charter of incorporation it is empowered to take, receive and hold all estates and property real and personal which may be granted, committed, transferred or conveyed to it with its consent, upon any trust or trusts whatsoever at any time or times by any person or persons, body or bodies corporate or by any court in the Province of Ontario. The capital is \$1,000,000 which has been subscribed at a premium of 25 per cent., payable in ten quarterly instalments, commencing 1st September 1898, and already the sum of \$637,750 of capital together with the sum of \$161,937.50 of premium has been paid in. It is the most appropriate organization to undertake the multifarious duties of Executor, Administrator, Trustee and Agent. It is absolutely honest and trustworthy; it has no exemptions or partialities; it keeps complete and accurate records of everything it does; it makes only reasonable charges and has the experience, knowledge and judgment not only of one man, but of a number of the most successful business men in the community.

At Charlottetown, P.E.I. Mr. James B. Hegan, resident engineer for the Dominion Public Works Departments will receive tenders up to 18th inst., for supply of 2,000 cubic yards of lime stone, granite, or other approved imported stone.

At Victoria, B.C. Mr. Fred. Sherbourne is preparing plans for a hotel to be built at Mount Sicker by the Mount Sicker Mining Company.

Montreal Wholesale Markets

Thursday, Oct. 11, 1900.

A fair fall business has been in progress and on most staples prices continue steady to firm. Although the elections are near they have not been disturbing features so far in the absence of aggressive attacks on the tariff. The threatened scarcity of coal is a serious matter for both the manufacturer and the small consumer but fortunately there is every appearance of a settlement of the trouble. The shipping trade is rapidly assuming its normal condition with the close of the war in South Africa and a contraction of the operations in China. The weather has been cold and seasonable and more to the liking of dealers in boots and shoes, furs, woollens and clothing. An announcement is soon expected from the railways in reference to winter rates of freight.

THE GROCERY TRADE.

SUGARS.—The late decline is chiefly due to the fact that refiners are competing for business now that the active season is over. Crop reports are favorable. In Demerara there will be a full yield and sales have been made at 3c to 3 1-16c cost and freight. The Louisiana crop is estimated at 800,000 tons and grinding is expected to become general by October 15th. In Nebraska farmers are marketing the beet crop. The Java crop has been almost all sold up. There are good prospects for the European beet crop. American refiners have been fairly free buyers of new crop beet sugar for shipment and last quotations for October shipment are equal to 4.43c duty paid New York. In this market granulated is quoted at \$5, and yellows at \$4.20 to \$4.80 per 100 lbs, as to quality at the factory.

SYRUPS.—Demand is chiefly for small lots; prices unchanged at 1 1/2c to 2c per lb., as to quality at the factory.

MOLASSES.—There has been an improved demand from jobbers and sales of a few small lots of Barbadoes are reported at 40c. A fair distributing trade continues to be done, and prices are unchanged at 41c in small quantities and at 40c, in car lots.

CANNED GOODS.—A fairly active market is reported and prices are firm all round. Peas 80c to 90c per doz, as to brand; tomatoes 85c to 90c; Log Cabin corn, 80c; strawberries \$1.50; raspberries \$1.45; and salmon \$6 to \$6.75 per case, as to brand. According to mail advices from San Francisco the total shipments of canned salmon from the Coast for August numbered 14,704 cases and 204,852 cases since January 1. The total shipments for August, 1899, numbered 22,197 cases, and for the previous seven months 155,855 cases.

DRIED FRUITS.—Valencia raisins have been selling fairly at full prices and spot goods are in small compass. Sales of fine off-stalk have taken place at 8 1/2c with holders asking 8 1/2c. Selected have sold at 9c, and layers at 9 1/2c. Currants are strong and according to prices ruling in Greece, they would cost 12 1/2c laid down here. A private cable from Malaga stated that holders of new crop raisins were asking 1s 6d higher than at the previous cable advices. Arrival of dates are looked for early in November and prices are expected to rule about the same as last year. Ship-

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Telegraphic Addresses: "PIPING," Glasgow. "PIPING," London.

pers are offering Sicily filberts more freely. In walnuts some business continues doing in new crop Grenobles at 11c. for early arrival, and at 10 1/2c for later. The crop is earlier than usual, and if good weather prevails during the time of buying, first shipments may possibly leave Havre by the end of October instead of the first week in November, as in other years. Cable advices state that Jordan shelled almonds, new, have advanced 2s per bag over the last prices quoted.

SPICES.—The market is steady and prices show no further change. Nutmegs, 25c to 45c per lb., as to size; mace, 15c to 50c per lb. as to quality, and pimento, 9c.

RICE.—Firm. Standard, \$3.20 to \$3.30; Patna, \$4 to \$4.65; Japans, \$4.40 to \$4.90; and Carolina \$5.00 to \$7.00.

TEAS.—There is nothing to add to former reports, as the local demand from consumers is still in abeyance. Supplies are not large and if much buying is done the market is likely to respond. A few small lines have been placed in Japans at 17 1/2c to 22c.

GRAIN MARKET.

WHEAT, PEAS, OATS, ETC.—More interest was taken in the market. Ontario spring wheat was held at 77c afloat and bids were made 1/2c lower. Barley was advanced in prices and there was a sale of 10,000 bushels No. 2 at 48c afloat. There was not much doing in peas and oats but they were steady. No. 1 spring wheat may be quoted at 76 1-2 to 77c afloat; peas, new crop, at 66 1-2c to 67c, rye at 55 1-2c to 56c; No. 2 barley at 47 1-2 to 48c; oats at 28 to 28 1/2c buckwheat, 52 to 53c.

OUTSIDE MARKETS.—In Chicago the market declined to 76 1/2c Nov. but corn was strong. Wheat opened weak, owing to the lower cables from abroad and weather improved in the Northwest, but rallied on small decrease in the visible supply, whereas a large increase was generally looked for, but finally closed weak on selling by tired holders. Liverpool was weak. Continental markets were also lower. World's shipments were reported at 8,152,000 bushels. Amount on passage to Europe decreased 1,171,000 bushels. Visible supply decreased 8,000. English visible supply was reported to have increased 3,620,000, C. and N. W. cars 1,173, against 1,207 last week; no comparison with last year, owing to the holiday (Seaboard clearances, 360,000 bushels. Primary receipts, 1,578,000. Shipments, 257,000. There was a good demand for cash wheat by local millers, but export demand, both in the interior and at the seaboard, was quiet. Trade was fairly

large all day, but mostly of a local professional character. Undertone to market rather weak.

London cables were: wheat on passage easier and neglected; corn, quieter, with hardly any demand; American mixed corn, ex ship, 21s; Mark English wheat easier and lower; foreign wheat, quiet and 3d lower; Mark Lane American corn, quiet; Danubian corn quiet and steady; Mark Lane American and English flour, quiet and steady.

Liverpool: wheat and corn, spot, firm; No. 1 standard California wheat, 6s 6 1/2d to 6s 8d; No. 2 red winter wheat, 6s 2 1/2d to 6s 3 1/2d; No. 2 spring wheat, 6s 6d to 6s 6 1/2d. Futures: Wheat, dull; December 6s 3 1/2d; February, 6s 4 1/2d; corn quiet; November, 4s 3d; December, 4s 2 1/2d; January 3s 11 1/2d.

The following table shows the amount of wheat on passage to the United Kingdom and Continent:—

	Oct. 8, 1900.	Oct. 1, 1899.	Oct. 9, 1899.
Visible supply U. S. and Canada	55,401,000	45,409,000	44,251,000
On passage to U.K.	17,920,000	18,400,000	15,760,000
On passage to continent	8,800,000	8,900,000	10,800,000
Total wheat in sight	\$2,121,000	\$2,760,000	\$0,775,000

IRON AND HARDWARE.

A fair local business is being done in all lines of light and heavy goods demand coming from both city and country customers. Prices for pig iron appear to have touched bottom in the United States and more disposition to purchase is apparent. In the market cut nails are quoted at \$2.35 and wire nails at \$2.85. Bar iron is selling \$1.60.

English cables quote: Soft Spanish lead, £17 18s 9d; standard copper spot, £72 17s 6d; futures £73 7s 6d and firm. Tin, spot, £181 10s; futures £126 and firm with buyers at quotations. Recent Singapore quotation for tin £125 10s c.i.f. London. G.M.B. spelter £19. Scotch warrants closed 65s 10d Middlesboro No. 3 foundry 67s 6d. In Philadelphia a good business is being done in small lots of pig iron but there is no desire to either buy or sell for long delivery. Stocks in consumers hands are run down to a point which makes new purchases imperative, so that there is a constant drain from the furnaces. Prices are disappointing, however, and a great many sales are being made at figures which cannot clear first cost; but to get business, prices have to be made to meet requirements. The range is wide, some stand out for \$16 for No. 2 X, others accept \$15, and appear to be willing to sell liberally at that

figure. Billets—Open hearth steel in fair demand and sells freely at \$24 to \$25; Bessemer about \$20, but there is not much demand for it at the present time.

Hoops and bands—\$3.40 base for hoops, 2 to 3 in.

Sheet Steel—We quote: 14 gauge, \$3.75 per 100 lb.; 17 gauge \$3.60 18 to 20 \$3.70; 22 to 24 \$3.80, 26, \$3.90 and 28, \$4.00.

Sheet iron—We quote: \$3.00 on 8 to 16 gauge; \$2.75 on 18 to 20 gauge; \$2.95 on 22 to 24 gauge; \$3.05 on 26 gauge and \$3.10 on 28 gauge.

Galvanized iron—We quote: "Queen's Head," No. 28, \$4.75 to \$5.00 and "Comet," \$4.50 to \$4.60.

Sheet zinc—Prices firm at 6½c to 6½c.

Solder—Quiet at 22c.

Antimony—Firm at 10½c to 11c.

Spelter—We quote: 5½c.

Ingot Copper—Demand limited 18½c to 19c.

Sheet copper—We quote: 25c to 27c as to gauge; tinned copper, 28c; Planished 32c.

Ingot Tin—We quote: Lamb and Flag, 36c. Strip tin 37c.

Pig lead—We quote: \$4.50.

Iron pipe—Black pipe, ½ inch, \$2.95 per 100 ft.; ¾ inch, \$2.95; 1 inch, \$3.20; 1½ inch, \$3.65; 1 inch, \$5.20; 1½ inch, \$6.85; 1½ inch, \$8.20; 2 inch, \$11.10.

Lead pipe—We quote: ordinary, 7c, and composition waste, 7½c, with 15 per cent. discount.

Canada plate—We quote: 52's, \$3.00; 60's, \$3.05; 75's, \$3.10; full polished, \$3.50; galvanized Canada plate, 52's, \$4.60; Sleigh-Shoe Steel, \$3.65; Tire steel, \$2.75; and spring steel \$4.35.

Wire nails—\$3.10; car lots, \$2.85.

Cut nails—Prices steady at \$2.35;

car loads; basis f. o. b., Montreal, Toronto, Hamilton and London.

Horse nails—Discounts are 50 per cent. on Standard., and 50 and 20 on Acadia brand..

Horseshoes—We quote: Iron 2 and larger \$3.65, 1 and smaller \$3.90; snowshoes 2 and larger \$3.90, 1 and smaller \$4.15; light steel 2 and larger \$4.20, 1 and smaller \$4.35; extra light steel, all sizes, \$5.10, f.o.b. Montreal.

Galvanized wire—Nos. 6, 7, and 8, \$3.95; No. 9, \$3.20; No. 10, \$4.10; No. 11, \$4.16; No. 12, \$3.35; No. 13, \$3.45; No. 14, \$4.50; No. 15, \$5; and No. 6, \$5.25 per 100 lbs.

Screws—Discounts are as follows:—Flat head, bright, 80; round head do. 75; flat head, brass, 75; round head brass, 67½. Machine screws, iron and brass, flat head, discount 25 per cent; round head 20 per cent; coach screws 65.

Tinplates—We quote: Coke, I. C., \$4.50; charcoal, I.C. Allaway or Comet brands, \$4.75; P. D. Crown, I.C., \$5.25; Bradley's \$6.50.

Terne plate—We quote at \$8.50 per box.

Coil chains—No. 6, 11½; No. 5, 10; No. 4, 9½c; No. 3, 9; ½ inch, 7½; 5-16, \$4.85; ¾ \$4.80; 7-16, \$4.50; ½ inch, \$4.25; 9-16, \$4.15; ¾, \$3.80; ¾, \$3.75; ¾, \$4.70; 1, \$4.75.

Pig iron—We quote: No. 1 Hamilton nominal; Ferrona, nominal. Summerlee, and equal brands, \$28.00 ex-yard. Carnbroc, \$24 to \$25.

Barb wire—Prices steady at \$3.30 f.o.b. Montreal.

Plain wire—Bright and annealed \$3.00 per 100 lbs for Nos. 6 to 9.

Bolts—Discounts are:—Carriage bolts, 8-16 to 5-16, 60; 3-8 and up 55 1-2 machine bolts 52½; stove bolts, 60 and

10, and sleighshoe bolts 70 per cent. Tire bolts 67½ per cent discount.

Machinery Steel—\$3.25 per 100 lb.

Rivets—Discounts on black and tinned 50 per cent, copper 35 per cent.

Bar iron—Prices are quoted at \$1.60.

APPLES.

A Glasgow cable quotes: Culverts, red and Green Falls, 14s to 16s; Baldwins, 16s to 18s; Greenings, 14s to 16s; Kings, 22s to 24s; and sundries, 14 to 16s. Market closed strong with demand. Liverpool, cable:—Red Falls, Green Fall, 12 to 14s; Kings, 20 to 22s. The market is steady.

DRY GOODS.

The market is moderately active with wholesalers and retailers noting a decided change for the better since the holidays. New York, cotton futures closed steady. October, 10.47.

HIDES.

Lambskins are higher at 70c and are in moderate demand. Beef hides are steady. Dealers are paying 8c for No. 1, 7c for No. 2 and 6c for No. 3. Calfskins are dull at 8c for No. 1, and 6c for No. 2.

PROVISIONS.

The demand is good for bacon and lard and supplies are somewhat limited. The movement of pork and ham is, only fair, but trade is satisfactory.

Heavy Canadian short cut mess pork \$19.50 to \$20.00; selected heavy Canada short cut mess pork, boneless, \$20.50 to \$21; heavy Canada short cut clear pork, \$19 to \$19.50; pure Canadian lard, 10½c to

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11½c per pound; and compound refined at 7½c to 8½c per lb. Hams, 10½c to 14c; and bacon 12s to 14s per lb.

In Chicago provisions opened strong, on 5,000 less hogs than expected and higher markets at the yards. Aside from October pork, there was a narrow range and the whole market seems to be solid, with good buying orders in for any small decline. One report says: We know nothing about October pork, but believe the small amount of pork in store is being stripped and smoked and going out about \$14.00 a barrel. We believe that shorts in January product will stampede some day and in the meantime advise purchases January ribs and pork.

LIVE STOCK.

A private cable from Liverpool quoted choice Canadian cattle at 11c, and sheep 11c. A private cable from London quoted choice Canadian cattle at 11½c and stated that the market for sheep had collapsed. Shipments from Montreal last week 3,163 cattle and 85 horses. Freights are easier; agents are asking 50s for Liverpool and London. In this market a few choice heaves sold at 4 to 4½c, and good at 3½c to 3¾c, while the common and inferior were offered freely at prices ranging from 1½ to 2 2/4d, and even at these figures found it difficult to make sales. There was some demand from exporters for sheep and choice stock sold at 3½ to 3¾c, and common at 2½ to 3c per pound. Lambs met with a fair sale and prices ruled about steady. Choice sold at 3½c to 3 3/4c, and common at 3 to 3 1/4c. The supply of calves was small, for which the

demand was fair at prices ranging from \$3 to \$10 each, as to the size and quality. The market for live hogs continues firm and all the offerings met with a ready sale at 5½ to 6c in straight lots, weighed off cars.

COUNTRY PRODUCE.

There is a good demand for eggs. Prices are firm. No. 1 candled stock, 17c to 18c; No. 2, 13c to 14c, and culls 10c to 12c per dozen.

Business in maple product is quiet at steady prices. Syrup, 70c to 75c per large tin, and 50c to 60c per small tin, and 6½c to 7c per lb., in wood, and sugar 9c to 10c.

White clover comb honey is quoted at 11c to 12½c; white extracted, in large tins, 8c to 8½c, and in small tins, at 9c to 9½c, and buckwheat, extracted, at 6½c to 7½c.

Beans, Canadian handpicked, at \$1.60 to \$1.65, and primes, at \$1.50 to \$1.55.

The receipts of ashes were small and the market is quiet. Firsts pots, \$5 to \$5.15; seconds, \$4.70; and pearls, \$6 per 100 lbs.

A fair trade is done in baled hay but the tone of the market is easier. No. 1, \$9.50 to \$10; No. 2, \$8.50 to \$9; and clover, \$7.50 to \$8.25 per ton, in car lots, on track.

DAIRY PRODUCE.

CHEESE.—The total exports for the week were 55,895 boxes against 92,191 last year. Since May 1st 1,664,888 boxes have been sent against 1,512,387 in 1899. There is not much doing on spot but the market was considered steady. About 10,000

boxes of French district cheese came up from below and were sold at 10½c. Finest Western September is quoted at 11½c and eastern at 11½c finest Quebec 10½c to 10¾c. Utica, N.Y., Board of Trade: Cheese sales 72 lots of 5,425 boxes large cheese, 10½c; small cheese, 10½c. Many salosmen unwilling to sell at prices offered. Butter, 30 packages at 21½c; 140 packages at 23c; 175 crates of prints at 23½c.

BUTTER.—The shipment for the week were 3,185 pkgs. Total since May 1st 223,507 against 393,674 last year. There was a good call for finest creamery and the market rules steady. Finest creamery is quoted at 20½c to 20¾c and seconds at 19½c.

CEMENT AND FIREBRICKS.

Business has not been brisk in cement and prices are the same. German brands \$2.40 to \$2.60; English, \$2.30 to \$2.40; and Belgian, \$1.80 to \$2.10 per barrel, ex-wharf.

The receipts of firebricks for the past week were 127,600 as against 22,000 for the week previous, making a total to date of 1,803,599. The demand is up to the average, and prices range from \$17 to \$24 per 1,000 as to brand, ex-wharf.

NAVAL STORES.

Prices on cordage show a decline of 1½c per lb. Cables from London quote Manila hemp for October, and December shipment via United Kingdom at £24 c.i.f. Another feature in this market has been the strong feeling in coal tar, and prices have advanced 75c. Other lines are un-

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Black Currant Jam,
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Strawberry Jam,
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All made from the Finest of the Fruit Packed in 1 and 2 lb. Jars and Tins.
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75 Bothwell Street, Glasgow, Scotland

Cable and Telegrams: "NECESSITY," Glasgow.

changed. We quote: Turpentine, 57c to 58c; resins, \$2.75 to \$4.50, as to brand; coal tar, \$3.25 to \$3.75; cotton waste, 4½c to 5½c for colored, and 6c to 7½c for white; oakum, 5½c to 6½c, and cotton oakum, 9c to 11c. Cordage:—Jobbing prices for Manila are 12c to 13c for 7-16, and up; 14c for ½, and 14½c for ¼ and 5-16. Sisal, 9c to 10c for 7-16 and up; 10 1-2c for ½, and 11c for ¼ and 5-16.

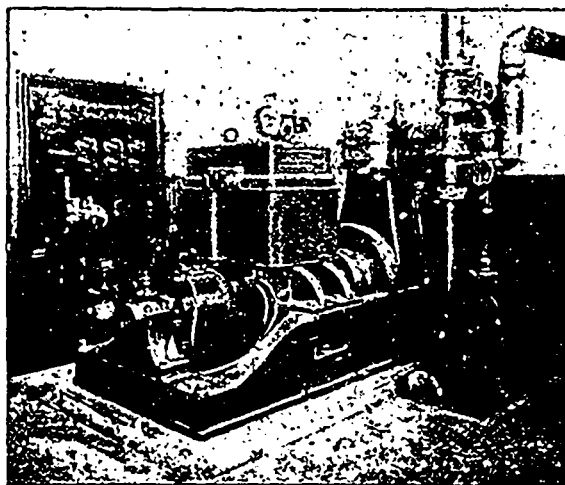
FLOUR, MEAL AND FEED.

Manitoba flours are in fair demand but Ontario brands are quiet. Manitoba best spring patents, \$4.70; second do., \$4.40; winter wheat patents, \$4.25 to \$4.40; straight rollers, \$3.25 to \$3.50; in bags, \$1.60 to \$1.70, and Manitoba strong bakers \$1.20 to \$1.40.

In rolled oats a moderate amount of business was done and prices rule steady at \$3.25 to \$3.30 per barrel, and at \$1.57½ to \$1.60 per bag.

The tone of the feed market is firm, owing to the small offerings. Manitoba bran, in bags, \$16; shorts, \$18 and mouillie, \$20 to \$24; Ontario bran, in bulk, \$15 to \$15.50; and shorts, \$16.50 to \$17 per ton.

Messrs. Fetherstonhaugh & Co., patent solicitors, Canada Life Building, furnish us with the following complete weekly list of patents granted to Canadians in the following countries. Any further information may be readily obtained from them direct. Canadian patents—G. M. Knowles, furusces. American Patents:—J. G. Dallaire, corset clasp; N. Dussault, hand last ing tool; John B. Houston, heat economizer; E. M. Keffer, picker mechanism for looms; M. Koch, machine for folding or



Telegrams: {Lowdon, Dundee.
Lowdon, Edinburgh.
Lowdon, Glasgow.

(ESTABLISHED 1876.)

LOWDON BROS. & CO.,
Electrical & Mechanical
Engineers,
DUNDEE, SCOT.

BRANCHES:
Glasgow, Edinburgh.
ELECTRIC LIGHT
INSTALLATIONS

Of Every Description Undertaken.
Dynamos, Motors, & Elec-
tric Tramway Supplies.

Mill and Factory Lighting,
A SPECIALTY.

plaiting paper; G. A. Parlee, railway signal; C. E. Stewart, rack or support for music, books or the like.

Consul-General Stowe has just returned to the Cape from a trip through the two republics. He says that for hundreds of miles all the wire fencing is down and cannot be used again. The posts have been burned for fuel, and must be replaced with iron posts owing to the scarcity of timber. The plowing in progress is limited compared with former years, and there will be a large market for American cereals. By March, 1901, agricultural machinery will be wanted. Meat and live stock will continue to be imported. The Government is building a new line of railway from Harismith to connect with the

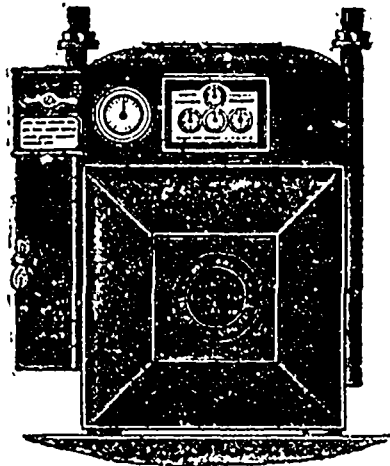
Orange Colony system, so that the Netherlands Railway, with its 200 per cent. dividends, will no longer have a monopoly in the Transvaal. There will be a big demand for bridge material and electrical machinery and supplies.

The Wholesale Co-operative Society of Manchester, Eng., has decided to begin the construction of a modern bacon factory in Tralee, County Kerry, Ireland. The works are to be equipped with the most modern mechanical appliances, including a patent carbonic anhydride dry-air refrigerating machine. The same society are to establish in many districts of Ireland creameries and butter factories on modern lines. This will create a demand for all sorts of appliances.

R. Laidlaw & Son, Glasgow, Scotland.

Telegraphic Address: "LAIDLAW, GLASGOW." Telegraphic Codes: A.B.C., 4th Edition, LIEBERS.

GAS and WATER ENGINEERS,
Manufacturers of **Wet and Dry Gas Meters,**
SIEMEN'S



—DRY METER.—

WATER METERS
Prepayment
Gas Meters.



—WET METER.—

METER WORKS:
SIMON SQUARE WORKS,
EDINBURGH

Head Office: 147 East Milton Street, GLASGOW, SCOTLAND.

Exports of produce from Victoria are rapidly increasing. South Africa has been the chief support of its export trade since December last, while now China is the field for supplies, and it is evident that, should the present struggle there be of long continuance, Australian fodder, feed, grains flour, etc., will be in good demand. Already large orders are mentioned, some of which have been placed, and if the abnormal scarcity of freight can be overcome, there is no reason why a profitable and much-increased trade should not be done with the Empire of the East. As was the case with South African exports, any large shipments made now would prove of immense benefit as an advertisement for Australian produce. So far, the greater portion of the breadstuff imports into China have gone from the States. Australia is in a handy position to absorb at least a portion of this trade, and it bids fair to become a strong competitor of the United States.

The flax crop of the northwestern states is in a bad way. The dry weather of June and July retarded growth and the rains of the harvest season have kept the crops so green that recent frosts have done them considerable damage. There was a greatly increased acreage this year which should have yielded large crops but as things are now the yield will be greatly curtailed.

The Warton Oil & Gas Co., Warton, Ont., has been incorporated with a capital stock of \$20,000.

Another deep sea fishing company is starting in Vancouver, halibut fishing is good and the steamers engaged are bigger hauls than ever,

The Hamilton Electric Supply & Construction Co., Hamilton, Ont., has been incorporated with a capital stock of \$40,000.

WILLIAM WYLIE

SOLE MANUFACTURERS OF
PATENT SLINGABLE & PORTABLE FITTINGS FOR STEAMSHIPS.

FOR PRICES, GIVE
PLANS OF DECKS
AND
MIDSHIP SECTION
STATING
NUMBER OF CATTLE
AND FOR
WHAT TRADE.

AVAILABLE FOR CATTLE HORSES,
TRANSPORT HORSES &c. WITH FETLOCKS
&c. COMPLETE.
SPECIAL FLUSH DECK FETLOCKS.
33, Maxwell Drive,
POLLOKSHIELDS,
GLASGOW,
SCOTLAND.

W. & A. BATES, India Rubber Manufacturers,

St. Mary's Mills, LEICESTER, England

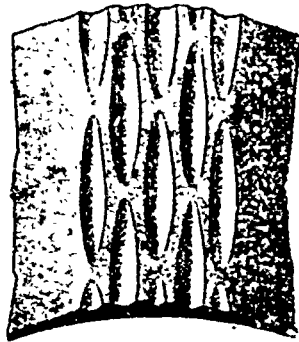
A choice of 4 qualities
in covers.

Non-Slipping Pattern No. 3.



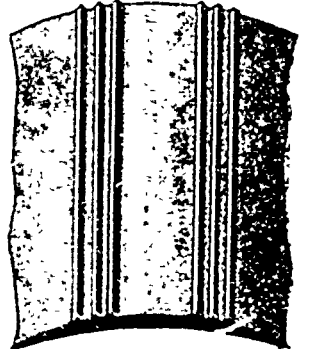
10 Non-Slipping Pat-
terns to select from.

Non-Slipping Pattern No. 3A.



Covers made in any
weight from 10 ozs.
for a 28 x 1 1/4 up-
wards.

Non-Slipping Pattern No. 6.



We are manufacturers of Outer Covers for re-rubbing Pneumatic Tyres, and all our Covers are specially made to resist the action of sun or light. We are also manufacturers of Inner Tubes and all kinds of Pneumatic Tyre material. Price List will be sent on application.

An American Silk Waist Mfg. Co., Montreal, has been incorporated with a capital of \$10,000.

The Tip Top Copper Co., Toronto, has been incorporated with a capital stock of \$10,000,000.

The Canada Dairy Supply Co., Montreal, has applied for incorporation with a capital stock of \$125,000, to manufacture butter and cheese factory outfits.

The Sanford Manufacturing company of Hamilton, Ont., has completed its order of 10,800 great coats for British soldiers in China. The company turned out the coats at the rate of one a minute.

The Yukon has paid for its own government as is shown by following statements. The total expenses from July 1, 1897, to December 31, 1899, were \$3,215,165, and the revenue was \$3,869,030, or a balance to the credit of the Government of \$654,165.

George Johnson, Dominion Statistician, has been investigating the trade in envelopes. From returns obtained from the manufacturers he finds that the number of envelopes used during the last year in Canada was 305,100,000. Of these 272,500,000 were manufactured in country, and the rest, 32,600,000 were imported.

A by-law has been passed at Petrolia, Ont., for the exemption of taxes and water rates for ten years in favor of the Petrolia, Pork Packing Co. From fifty to seventy-five men will be employed.

The British War Office has given orders for the purchase of a number of small steel shields to cover the vital parts about the hearts of the soldiers. The shields weigh about seven pounds and in tests have turned bullets at 700 yards.

James McCready & Co., Montreal, have applied for incorporation with a capital stock of \$100,000, to manufacture boots and shoes. The applicants include C. F. Smith, Edouard Lafiberte, both of Montreal, and M. J. Burns, London, Ont.

Burk's Falls should boom now, as the Magnetawan Railway River Co. has been formed with a capital of \$30,000, and Mr. A. White, superintendent of the freight department of the Grand Trunk Railway makes the assurance that the spur line will be built at once.

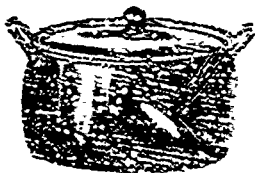
The U. S. Department of Agriculture is securing good stocks of the best European and African macaroni wheats and Hungarian wheat breads, which it is expected will furnish the basis for a great extension of the macaroni manufacturing industry in the United States.

An old established firm of Scotch Distillers is desirous of hearing from responsible agents in the different provinces of Canada, with the view of representing them.

Address all communications to P. O., Box 218 Montreal.

Sales of several carloads of peaches, seconds yellow, were reported on the basis of \$1.00 f.o.b. Baltimore. Some business is also reported in standards on the basis of \$1.25.

ENAMELLED WARE, Stamped and Pierced Tinware AND GALVANIZED WARE.



We are manufacturers of all the above lines, and are always ready to quote prices and discounts. Goods promptly and carefully shipped, and quality guaranteed. See that your Enamelled Ware has the Ossekeag Stamp.



CATALOGUES MAILED ON APPLICATION.

The Ossekeag Stamping Co.,
HAMPTON, NEW BRUNSWICK, CANADA.

- - THE - -

LANARKSHIRE STEEL CO'Y LTD.,

MOTHERWELL, SCOTLAND,

Manufacturers of

MILD STEEL SLABS, BLOOMS, and BILLETS. ROLLED JOISTS and BEAMS. BARS
ANGLES, TEES, CHANNELS, BULBS, BULB TEES AND SPECIAL SECTIONS
BY SIEMEN'S (ACID) PROCESS.

Guaranteed to pass
Admiralty, Lloyd's,
Board of Trade,
Bureau Veritas, In-
dian State Railway,
and other Tests.

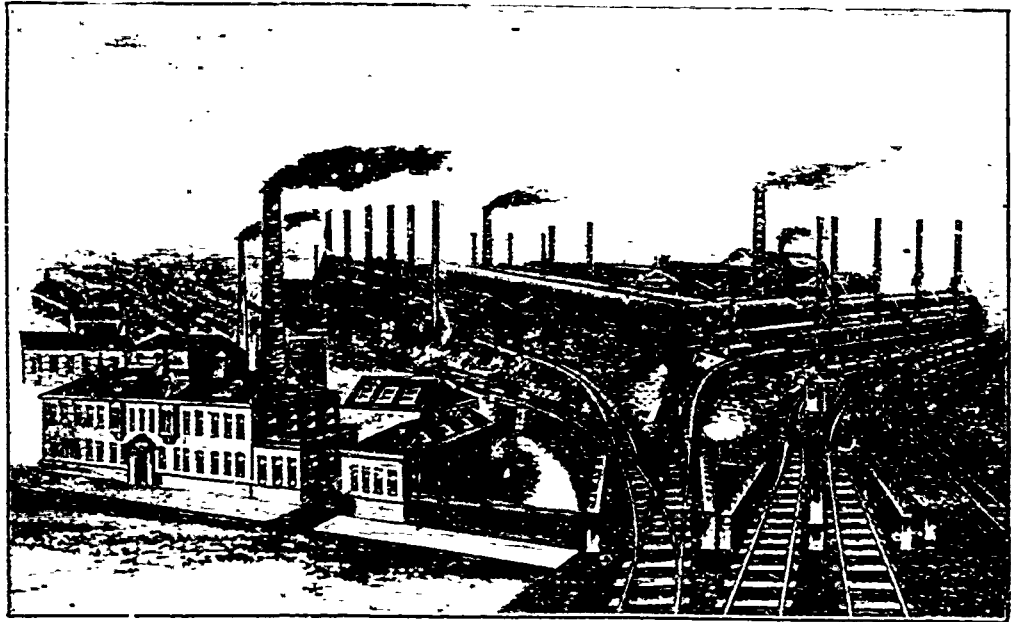
BRANDS:

LANARKSHIRE
BOILER  **STEEL**

LANARKSHIRE
SHIP  **STEEL**

Telegrams:

"SIEMENS" Motherwell.
Canadian Agent:—
Hugh Russel,
Temple Building,
185 ST. JAMES ST.,
MONTREAL.



A private telegram from Boston states that holders of new salt mackerel are asking an advance of 25 per barrel on large sizes of the late catch.

Cable advices received from Malaga state that owing to the continued damage to the raisin crop by reason of the heavy rains, holders are not offering.

The leading Brazil coffee roasters continue to report a gradually improving demand, although stating that the trade is still buying on very conservative lines.

Latest advices received from Mauritius say that with a continued good demand from Bombay and Calcutta sugar planters are making practically all soft sugars.

A private cable from London quotes 122s for a lot of 50 bags of Majorca almonds, c. and f. New York. This is the first cable received on this description in ten days.

Latest mail advices received from London say that accounts from Java are again unsatisfactory, both as regards present and next coffee crop, continuous rains doing great damage, and from Hayti and Porto Rico reports continue somewhat unfavorable.

Two telephone companies operating in the Boundary district are in competition for the business in their line is now on the increase. The Vernon and Nelson Company has lately strung a special wire to connect the Old Ironsides and Knob Hill mines with the Granby smelter at Grand Forks, and the Columbia company is extending its system 125 miles to Brewster, Washington.

Distillery, Clynelish, Brora, N.B.

Established 1819.

JAMES AINSLIE & CO.

Distillers and Blenders of

Scotch Whisky,

SOLE PROPRIETORS OF THE CELEBRATED

"Glenlion Scotch Whisky"

AND

"Ainslie's Old Blended Glenlivet"

AS SUPPLIED TO THE ROYAL NAVY.

LEITH, N. B.,

Sole Agents for Canada: L. CHAPUT FILS & CIE,

Wholesale Grocers and Tea Importers, Montreal

Talk was heard in the raw sugar trade that for this season Demerara has made about 50,000 tons of sugar but that business has been restricted owing to the scarcity of ocean tonnage.

The business in Calcutta burlaps in forward positions has been checked by holidays this week in Calcutta. Several cabled offers have failed to elicit practical response.

SIMSON BROS. & CO.

We have received the following letter from Messrs. Simson Bros. & Co., Wholesale Druggists, Pentagon Building, Halifax, N. S., which speaks for itself:—

"DEAR SIR:—Replying to your favor here, we are much pleased with the Halifax edition of the Trade Review. It is beyond our expectations of what we would get. At the same time in our case you have made a mistake in advertising us as wholesale and retail druggists. We do a strictly wholesale business, and it is certainly not to our advantage as wholesalers to be advertised as being in the retail trade."

Lumber shipments are brisk at the Chaudiere at present, and a large gang of men is engaged loading barges. Lumber piling has also been resumed in Mr. J. R. Booth's yards on the Hull side of the Ottawa river. This yard was refitted with extensive platforms and tramways at a large outlay.

It is announced that the tender for the construction of the Pacific cable has been awarded to the Telegraphic Construction and Maintenance Company, Limited, which offered to lay the cable for nine million five hundred thousand dollars, and to finish the construction of the cable within eighteen months. The Government is delighted at the contract price, which is less than was estimated.

THE PORT DUNDAS POTTERY CO.

The Port Dundas Pottery Co., stoneware manufacturers of Glasgow, Scotland, were established in 1819. They are manufacturers of chemical vessels and apparatus of every description. They make stills, percolators, drainers, concentrators, mixing pans, piggins, acid receivers, iodine condensers, adapters, connectors, taper pipes, still heads, pipes with or without faucets, lutes, bends, or knees, store jars, acid jugs, evaporating or crystallizing basins, acid jars of all descriptions, dyer's pots, as well as a full line of stoneware bottles for ginger beer, stout, etc. The works are at Bishop street, Port Dundas, Glasgow, Scotland. They are the inventors of the new process of printing in colors on stoneware.

The miners and other union men of Rossland district are opening a co-operative store in that city. Groceries and provisions will be handled in the meantime and other lines will be added later on. The concern will do business under the name of The Rossland Co-operative Society, Limited. About thirty members have already joined the society and some \$4,000 have subscribed for \$5 shares. The promoters are all wage earners. There is no limit fixed for the company's capital, but no individual can hold more than 100 shares in his own name. Eight per cent is the limit on dividends on sales and interest on stock. The society will do a purely cash

business, but stock holders will be given 30 days' credit to amount of 75 per cent of their stock. The society will sell to the general public as well as its own members at the same prices.

The Canadian fire underwriters have decided to materially reduce the rates on mercantile risks in northwestern Ontario as the business centres of that thriving region are no longer regarded as "distant points." The reduction in some instances will amount to about one-quarter of one per cent.

According to the Japan "Weekly Mail," there is a scheme on foot to establish a large sugar refinery in Tainan, Formosa, with a capital of 500,000 yen. The undertaking is to receive a subsidy of 12,000 yen for the present from the Formosa Government Office, and 200,000 yen of the capital is to be called up during this year. Next year the subsidy is to be increased to 30,000 yen, or 6 per cent of the capital.

The demand from France for finished material is noticeably quiet, and both merchants and manufacturers interested in the trade attribute the present condition of affairs to the early closing of the Paris Exposition, which will take place some time next month. Not only French merchants but many foreigners are in hope of securing bargains at the close of the Exposition. The machinery and other branches of the engineering trade are consequently in some suspense until after the period stated..

JAMES GIBBONS, St. John's Works, WOLVERHAMPTON, ENGLAND HOTEL ROBBERIES.

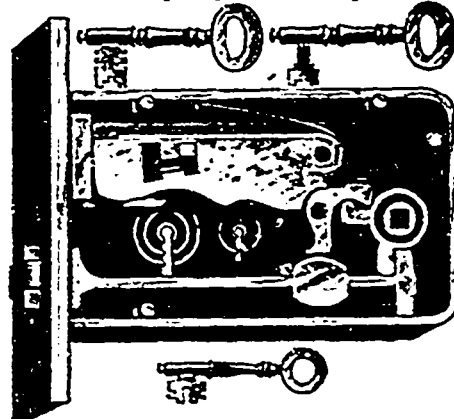
In a recent important case the Manager of one of our largest Hotels stated:—

"The Servants on each Floor had a *Sub-Master Key*, which opened all the doors on that floor. *The Key found on the stairs had been one of the ordinary Bed-room Keys; but it had been so filed that it was almost as good as Witness's Grand Master Key, and would open almost any door in the Hotel, including that of Witness's office.* Vide "Daily Press."

WITH GIBBONS' "NEW MASTERSHIP" LOCKS

the alteration named above would be utterly impossible. The Master Key being entirely different in size and shape, it is an absolute impossibility for the ordinary key to be altered or skeletoned into a master Key, and on this system the difficulty in differing a large quantity of Locks, subject to Master Keys, is entirely overcome.

(Ordinary Key.) (Ordinary Master.)



(GIBBONS' NEW MASTER.)

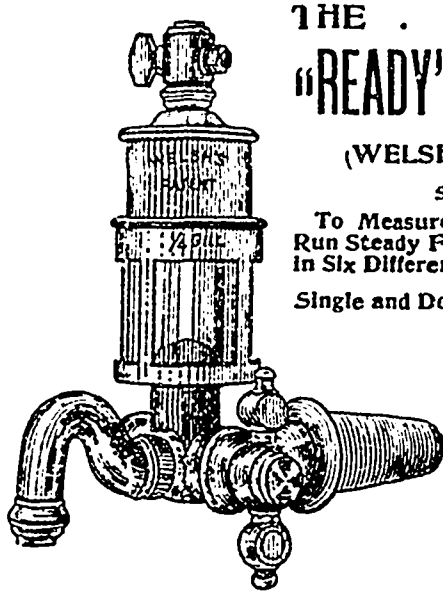
No. 194 as shown,
four-Lever
Gun-Metal Bolts,
2 Keyhole,
Price 13s.

Drawer and Cupboard
Locks,
5s. each
Great Security for
Students' Lockers.

To demonstrate the ease with which an ordinary Servant's Key can be converted into a Master Key, it is only necessary to carefully compare the two together, when it will be clearly apparent to a casual observer, that it does not require an expert mechanic to easily convert the one into the other.

In making locks to differ with a Master Key under the old system, the levers of the locks must all be made the same, and the only variation that is made on the locks is on the wards. It is thus easy for a man to file the wards out, and make an Ordinary Key into a Master Key. Slight alterations can be made on the levers, but this further destroys the security of the locks.

Adopted by—Messrs. A. WATERHOUSE & SONS, for the Surveyors' Institute.
Messrs. CRAYSON & OULD, for Union Bank, Liverpool.
Messrs. DEAN & SONS, DUBLIN, for Monaghan Asylum.
Messrs. ASHLIN & McLAUGHLIN, DUBLIN, for Portrairie Asylum.

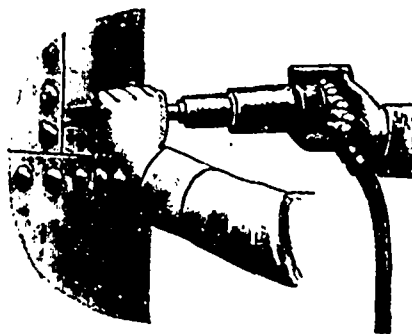


THE "READY" MEASURE
(WELSH'S PATENT.)
STAMPED.
To Measure any Quantity, or Run Steady Flow from Cask Made in Six Different Patterns.
Single and Double Measures for Quick Running.
Measures always Full, Ready for Drawing.
CIRCULARS AND PRICES ON APPLICATION.
Patentees and Sole Manufacturers,

Welsh's Patent Measuring Tap Co., Ltd.,
CARRICK BRASS WORKS, AYR, SCOTLAND.
TELEGRAMS: COILA AYR.

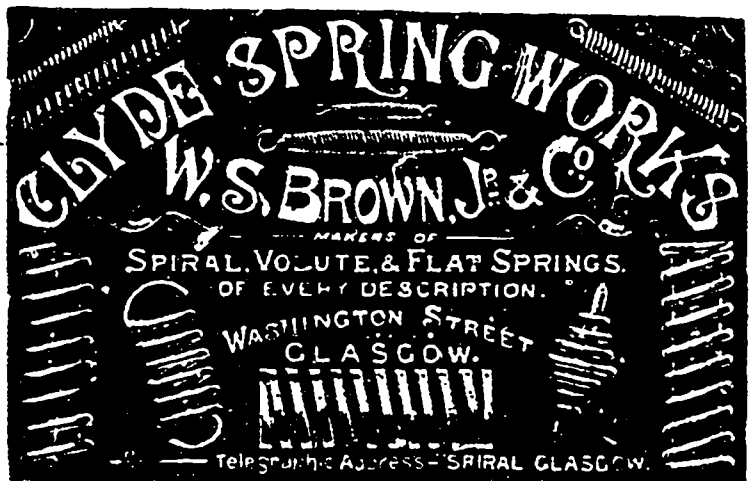
Wood Pulp Exporters
SHOULD COMMUNICATE WITH
Henderson, Craig & Co., LIMITED,
97 Queen Victoria Street, London, E. C., Eng.
Dealers in 'PAPER MAKERS' MATERIALS
WOOD PULPS Chemical & Mechanical a Specialty,
Telegraph: "Craig, London." A.B.C. & A. 1 Codes used.

ROSS PATENT RAPID CAULKING AND CHIPPING TOOLS



Thoroughly Reliable.
1,000 in Use.
Does the Work of Half a Dozen Men.

R. G. ROSS & SON,
Greenhead Engine Works, GLASGOW,
Sole Makers of **RIGBY'S PATENT STEAM HAMMERS.**
Trade Mark: "RIGBY'S PATENT."
Telegrams to Address "Glenros, Glasgow."



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W. S. BROWN, JR. & CO. LTD.
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SPIRAL, VOLUTE, & FLAT SPRINGS
OF EVERY DESCRIPTION.
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CLUTHA WORKS,
HEAD OFFICES & WAREHOUSES—
129 TRONGATE, GLASGOW, SCOTLAND.
London Offices: 8, GT. VINCHESTER ST., E.C., ENGLAND.
Railway Engineers, Wagon Builders, Makers of Patent Sleepers, and Chairs, also Switches, Points, Crossings, etc. Structural Engineers, Builders of Bridges, Viaducts, Aqueducts Lighthouses, Stations, Goods and Cargo Sheds, etc.
THE LARGEST AND MOST VARIED STOCK IN SCOTLAND OF IRON AND STEEL.
Rivetted and Compound Girders Made up from stock to all sections.
Registered Telegraphic Address—"MACLELLAN," GLASGOW. "MACLELLAN," LONDON.

			Rolled Girders	to 20 inches deep.
			Zoro's Girders	to 8 "
			Channels	to 15 " wide.
			Angles	to 12 1/2 inches.
			Bulb Tees	to 12 inches deep.
			Rails, Flatplates and Fastenings, Rounds, Squares, Flats, Tees, and Special Sections.	

to the United States for the appointment of an International Commission to renew the marks of the 59th parallel the international boundary,

A cablegram received at the Department of Agriculture from its agent in Manchester and Liverpool, Mr. A. W. Grindley reports that the shipment of tender fruits, principally pears, which was sent in cold storage on the steamship Manchester Commerce sailing from Montreal last month has been landed in Manchester in good condition.

The Canadian General Electric Co. has succeeded in every point in its suit against the Toronto Railway Co. The court has declared that the patents for "Series Electrical Controllers" held by plaintiffs are valid and restrains the railways from manufacturing any colorable imitation of the same. Defendants are also ordered to pay all costs of action.

The traffic of Lake Superior to October 1 has been computed and shows a movement of freight for the five months of almost 20,000,000 tons. This is more than any complete year prior to 1899. The September movement of freight was 3,411,000 tons, and for the season to date 16,978,475 tons. This increase of traffic for the year has been accomplished with a share of the large freight ships of the lakes tied up at docks at all leading ports,

A pack train of goods bought in Chilliwack, B.C. was seized at Mount Barker by American officers who claimed it had crossed into United States territory. There is much bitterness over the Mount Barker dispute and trouble is feared.

A Vancouver despatch intimating that a dispute has arisen as to whether the Mount Baker mines are in British Columbia or the State of Washington elicits the interesting information that the Dominion Government in June last made a proposal

Ready For Instant Delivery.

New Shipbuilders', Boiler Makers', and Bridge Builders', Tools as under:—
 Several New Improved Combined Punching, Shearing and Angle Iron Cutting Machines, "Lover" and "Eccentric" type, to punch 1 in., 1 1/2 in., 2 in., and 3 in. plates, deep gabs, either engine or belt driven; with or without cranes.
 Plate Edge Planing Machines, to plane plates 20 ft., 22 ft., 6 in., 26 ft., 30 ft., and 35 ft. long.
 Double Punching Machines, to Punch 1 inch., and 1 1/2 in. plates, deep gabs, belt driven.
 Several Single Standard Steam Hammers, "Rigby" type, cylinders 9 in., 11 in., and 13 in. deep respectively.
 Two Combined Beam Bending, Horizontal Punching, and Angle Iron Cutting Machines.
 Two Sets New Improved Plate Bending Rolls, 10 ft. 6 in. long, with hinged frames for bending complete circles.
 Two sets Improved Plate-Straightening or Flattening Rolls, fitted with seven rollers, 6 ft. long x 9 ins. dia., to straighten plates up to 1/2 in. thick, driven by belt.
 Tracings and full particulars on application to

JOHN H. RIDDEL,
 40 St. Enoch Square, Glasgow,
 SCOTLAND.

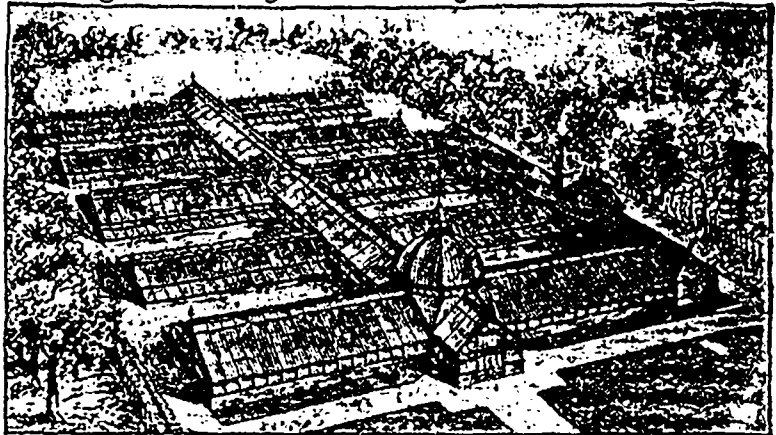
FINANCIAL.

The activity in the early part of the week on the Stock Exchange soon died out under the adverse influence of the unsettled condition of money in the big financial centres; and the market closed dull at generally low figures. Further heaviness in London on decreased earnings and selling in Berlin sent Canadian Pacific down to 86. And this reacted on the local stocks, until only a few scattering sales marked yesterday's sessions. Street Railway was dealt in languidly at 27 3/4, and it is evident that the brief spurt in values has already spent itself. In the mining shares Virtue still sold at 50, though it looked as if the sale were made purely with a view of making a price for the stock, there being some speculators who hold that it is not worth 10 in view of the persistent rumors as to the prospects of the mine. In New York all activity in the market was benumbed by the uncertainty in the money market outlook. International exchange and the rates for money on foreign markets attracted more attention than did news of Democratic events except as they affected some special properties. What small interest there was in stocks was mostly concentrated in the specialties and and the movement of prices there was irregular. At present rate of depletion of New York bank reserves, it is evident that next Saturday's statement will show the surplus almost obliterated, unless it shall be offset by a drastic contraction of loans. Another £50,000 was engaged in London for shipment to New York, but the discount rates promptly responded with advances extending to 3/4 per cent, and it is generally believed that the Bank of England will advance its rate soon, even though it did not do so this week. Wednesday's break in the price of cotton and the unexpectedly favorable character of the Government's monthly report on cotton gave rise to the further question of what effect these developments may have on the movement of cotton to market, which is now the dominating influence in both the money and and foreign exchange markets.

SIMPSON & FARMER,

Hothouse Builders, Heating and Ventilating Engineers
 Partick Bridge, Glasgow, Scot.

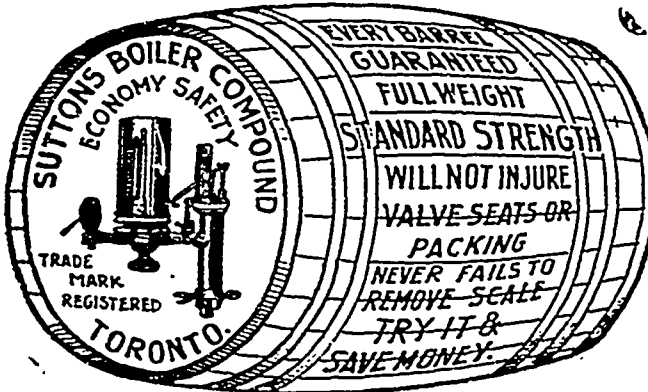
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Every Description of Horticultural Buildings Erected in any part of the Country
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STEAM USERS.

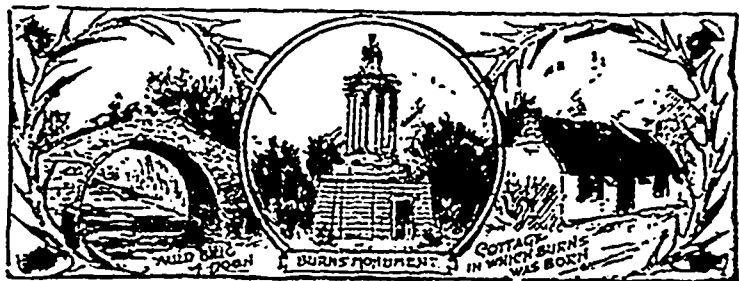


Save money, fuel, labor and expensive repairs in your plant by using Sutton's Boiler Compound and Engineers' Supplies.

THE WILLIAM SUTTON COMPOUND CO.

OF TORONTO, LIMITED.

186 QUEEN STREET EAST.



CLARK'S AMMONIA.

AYR OZONE bleaches Linen White as snow.

Ask your IRONMONGER, OILMAN, or GROCER for them.

"No toilet complete without a bottle of specially prepared Ammonia."—Home News.
 "I obtained splendid results with Clark's Ammonia."—People's Friend.
 Bathing in water, containing one tablespoonful of Clark's Ammonia gives the cleanest, sweetest and most refreshing sensation, equal to Turkish Bath, and at a Price within the reach of all.
 The merits of CLARKE'S AMMONIA and AYR OZONE have only to be once tested in order to show the advantages that are to be derived from them.
 Booklets with the above view, and instructions how to use them, given with all purchases.

AMMONIA SPECIALISTS.

Chemist's 330. Commercial Ammonia of all Grades and Qualities
 ANHYDROUS Ammonia for Refrigerating Purposes.

Manufacturers--CLARKE'S AMMONIA WORKS, LTD., AYR.

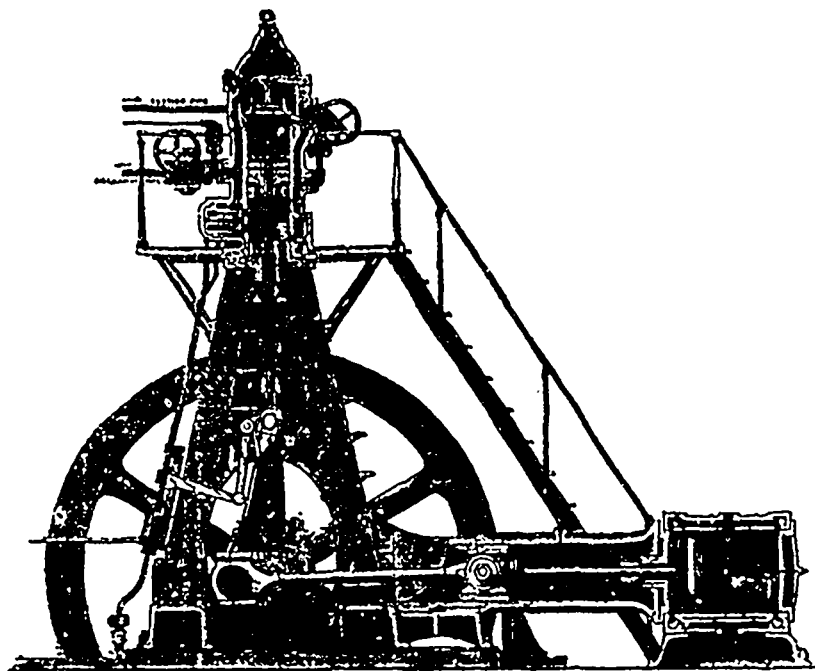
Wholesale Depot--115 BATHWELL STREET, GLASGOW, SCOTLAND.

L. STERNE & CO., LTD.,

The Crown Iron Works,
GLASGOW, SCOT.

DE LA VERGNE SYSTEM.

Refrigerating
Plants supplied on
the Direct
Expansion Brine
or Air Circulation
Methods for
Chilling, Freezing
and Cold Storage;
also for
Breweries,
Water Cooling,
Hop Storage.
Cold Storage of
Furs, etc., etc.



"Pony"
or
Small Machines,
suitable for
Butchers,
Fishmongers,
Game Dealers,
Produce Mer-
chants, Dairies,
Confectioners, and
Chocolate Manu-
facturers, Hotels,
Clubs, Country
Mansions,
etc., etc.

ICE MAKING AND REFRIGERATING PLANTS of all sizes.

LONDON OFFICE: DONINGTON HOUSE, NORFOLK STREET, W.C.

Telegrams: "STIRLINGS, HAMILTON."

Stirling's Motor Carriages, Limited,

HAMILTON, SCOTLAND.

Important Announcement

- 10 -

TRAMWAY COMPANIES AND CORPORATIONS.

MESSRS. STIRLING beg to announce that having completed their Installation of the most modern Machine Tools they are now in a position to undertake the

RAPID EXECUTION OF ORDERS FOR TRAMCAR BODIES

Motor Cars, Etc., Etc., for Canadians under the New Tariff at Special Prices.

Locally the call money market was easier at $4\frac{1}{2}$ to 5 per cent with trade discounts at 6 to $6\frac{1}{2}$ per cent. Foreign exchange closed active but heavy in tone. Between banks sterling sixties were 8 to 8 116; demand drafts, 8 13 16 to 8 15 16; and cables, 9. Over the counter sixties closed at 8 5 16 to 8 8; demand drafts, 9 10 9 8 and cables, 9 1/2. Commercial sixties were 7 1/2 and three days' sight drafts, 8 1/2. Paris francs were 5 21 1/2 for long, and 5 19 1/2 for short, and Berlin marks, 93 1/2 for long, and 94 9 16 for short. New York funds were par to 1 1/4 between banks, and 1 8 to 1 4 over the counter.

In London bar silver closed steady at 29 9 16d per ounce. Money 1 1/2 to 2 per cent. The rate of discount in the open market for short bills is

4 to $4\frac{1}{2}$ per cent.; three months bills, 4 to $4\frac{1}{2}$ per cent. In New York money on call closed firmer at $2\frac{1}{2}$ to $3\frac{1}{2}$ per cent; last loan, $2\frac{1}{2}$. Prime mercantile paper, 5 to 6 per cent. Sterling exchange, weak at 4.88 1/2 for demand, and at 4.89 1/2 for sixty days. Posted rates, 4.81 to 4.81 1/2 and 4.85 to 4.85 1/2. Commercial bills, 4.79 1/2 to 4.80. Bar silver, 63 1/2 c. Mexican dollars, 50 1/2 c; Government bonds irregular.

Tenders have been invited for building the Grey & Bruce Portland Cement Company's factory at Brooke, Ont.

Mr. James Reed of North Sydney has been awarded the contract for building the new post office at Digby, N.S.

The Customs House wharf at Chatham, N. B., has been started, sufficient land for the purpose having been expropriated by the Government,

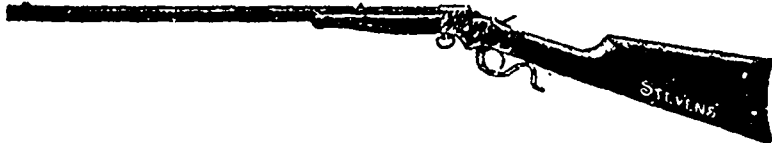
An excelsior factory is to be built near Port Arthur by Wiley & Co. There are large stretches of poplar in the neighborhood which will be used in the manufacture of this article. Excelsior is largely employed in stuffing mattresses, etc.

In Toronto the following building permits have been granted:—Thomas Moore brick and stone dwellings, corner Dupont street and Bedford road, cost \$6,500; Mr. Broomer, brick dwelling, 16 Delawars ave, cost \$2,262; Macpherson trustees, residence on Crescent road, near Yonge street cost \$4,000 and alterations to residences at 9 and 15 Roxborough street east, cost \$2,000; W. G. Richardson, brick and stone dwelling, Dovercourt road near College street, cost \$3,000; Frank Wilson, brick chimney, 125 feet high at 78 Adelaide st., east cost \$2,200; N. McConnell, two story and attic brick dwelling, 141 Bedford road cost \$3,800; R. Robson & Co., two story brick and stone dwelling no Harrison st. near Dovercourt road cost \$1,500.

—❁* **STEVENS ARMS** *❁—

Make an Exceptionally Fine Line for the Hardware Trade.

All Carefully Boxed—Shelf goods in fact.
 All Fully Guaranteed—By a company of 86 years' experience and reputation.
 All Fine Sellers—Not a line which costs money to carry and moves slowly.



Stevens' Favorite

Is made in the following styles :

No. 17 Plain open sights,	\$6 00	} 22, 25 and 32 Calibres, Rim Fire.
No. 18 Target sights,	\$8.50	
No. 19 Lyman sights,	\$9 00	

Weight, fully boxed, 5 pounds.

Send for Complete Catalogue to

J. STEVENS ARMS & TOOL CO., P.O. Box 1727, Chicopee Falls, Mass, U.S.A.

For sale by all Canadian Jobbers.

We desire to correspond with the trade everywhere.

STRAW ENVELOPES.

To fit all sizes and shapes of Bottles, Flasks, Jars, &c.

FLASK BOTTLES of every description.

Stock of sizes, &c., most in use kept on hand to fulfil immediate requirements.

CAPSULES, Large stocks, ordinary kinds and sizes. Firm's special Dies, best Workmanship and very cheap

Bottling Machinery of every description.

Telegraphic Address, "NESTOR," GLASGOW.

PETER MACLACHLAN & CO.

134 St Vincent Street, Glasgow, Scot.

Samples and Prices on Application.

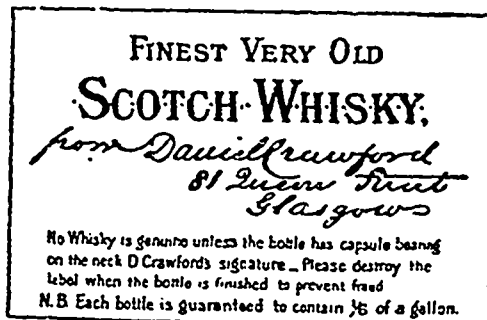
Daniel Crawford & Son

(LIMITED.)

FINEST VERY OLD SCOTCH WHISKEY,

(Distilled entirely from the Finest Malt.)

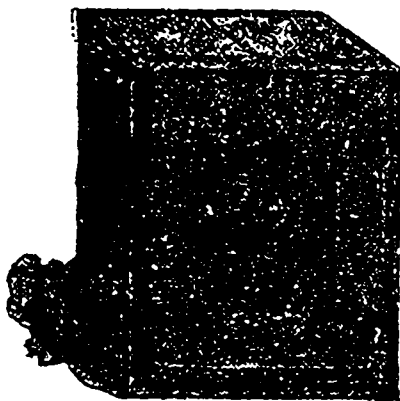
Supplied to the P. & O. and other Shipping Companies, to the leading Hotels and Clubs throughout the World, and to many of the Officers' Messes of the Royal Navy and Regiments serving abroad. It is also used at the local Infirmaries and other Medical Institutions.



(Reduced Facsimile of Label.)

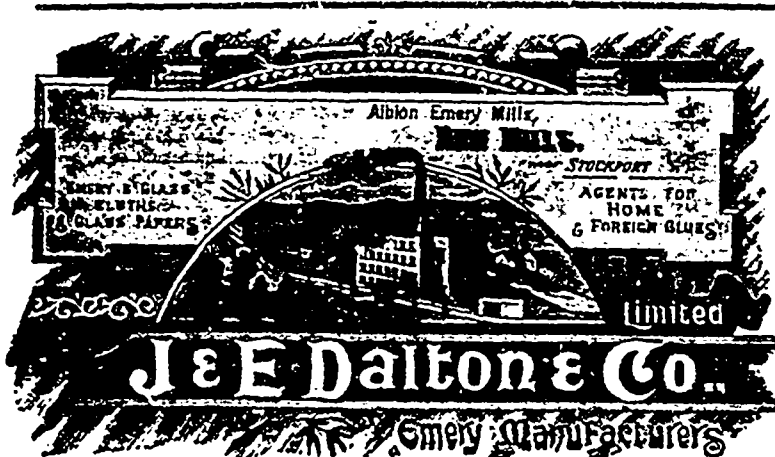
The public are warned against imitations of this brand and, buyers should see that every Label, Capsule, and Cork bears the Autograph Signature "Daniel Crawford," as shown in the above reduced facsimile of the label.

THE
**Acme
 Tea
 Chest
 Company,
 Limited,**



**Glasgow Steel Works,
 Polmadie, GLASGOW
 SCOTLAND.**

Send for Prices.



**Emery Cloth, Emery Paper, Glass
 Cloth & Glass Paper
 Manufacturers.**

GLASS, EMERY, &c.

SAMPLES ON APPLICATION.

Manchester Agents—
B. GIBBS & SON, Ltd., 70 Great Bridgewater Street,
 MANCHESTER, ENGLAND.

Sole Agents for Scotland—
SHAND BROS., 6 Dixon Street, GLASGOW, SCOT.

Sole Agents for Ireland—
J. C. REID & CO., 5 Ulster Chambers Wareing Street,
 BELFAST, IRELAND.

BUSINESS TROUBLES.

A. W. Lorch, a small tailor of Berlin, Ont., has assigned. He owes \$800.

J. Mathurin, tinsmith, of Montmagny, is offering 50 cents in the dollar, cash, on liabilities of \$1,800.

W. H. Smith, fruits and produce, has assigned, owing \$10,000. He lost money this season and has been sued of late.

Wm. M. Earle, general storekeeper of Bear Island, N. B., has assigned owing \$1,800. He has been in business two years.

Mrs. J. A. Beauchamp, of this city, is offering 35 cents on the dollar on liabilities of \$350. Her husband failed some years ago and has since done business in her name.

The Squire Company, hardware and plumbing, of Kingston, Ont., have assigned. They started two years ago with the assistance of their mother but seem to have made no headway.

G. Wood & Co., painters of this city, have assigned, their principal creditors being H. H. Grimesdale, \$601 and A. Ramsay & Son, \$228. They had never been successful and have been often sued.

At a meeting of the creditors of Moses Davis, forwarding agent of this city, Mr. A. W. Stevenson was appointed curator, and Messrs. James Marshall, Charles J. Roat and Fred Nelson, inspectors.

Archambault Freres, dry goods merchants of this city, effected a compromise with their creditors last April at 40 cents in the dollar on liabilities of \$55,000. They have been unable to meet the second payment and have assigned owing \$35,000.

Mrs. Clara Gariepy, doing a hotel business as Arthur Hetu & Co., at 2170 Notre Dame street, has assigned on demand of Charles Reinhardt, brewer, of this city. The principal creditors are C. Reinhardt & Co., \$496; Goulet Brothers, \$200, and Rodolphe Hetu, \$200.

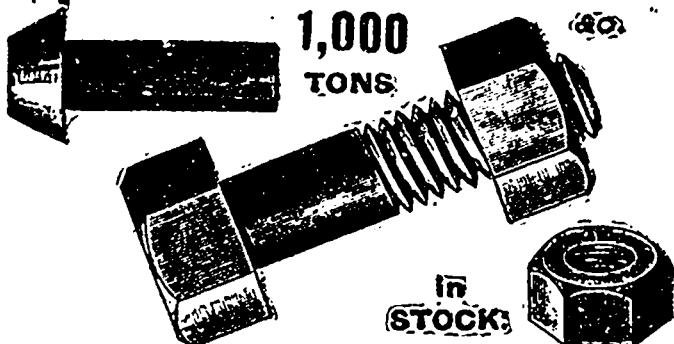
H. H. Layfield & Co., dry goods, Vancouver, has assigned with liabilities of \$30,000. He started in 1890 and worked up a large business. But his capital was a small one, and his bankers put pressure on him to reduce his overdrafts. This brought his other creditors on him and he had to assign.

Established 1855.

On Admiralty List.

JOHN BILSLAND & CO.,

MACHINE- & HAND-MADE NUTS, WASHERS,



Manufacturers of
**Bolts,
Nuts,
Set
Screws,
Wood Screws
Studs,
Bolt Ends.**

STEEL & IRON RIVETS

FOR ALL PURPOSES.

VICTORIA BOLT AND RIVET WORKS, CRANSTON HILL,

Telegraphic Address: "BILSLAND, GLASGOW."

GLASGOW, SCOTLAND.

CROSS CUT SAW.

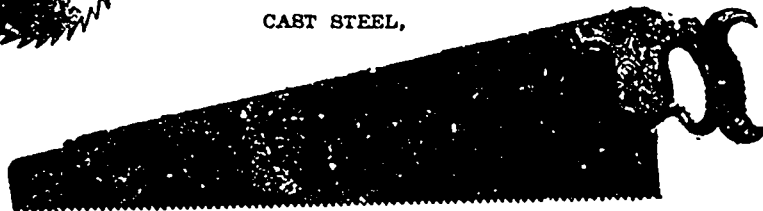


FRANCIS WOOD & SON.



Thorpe Works,
HENRY STREET,
SHEFFIELD, ENG.

CAST STEEL,



Established 1854.

CARPENTERS' HAND SAW.

A. & J. MAIN & CO., Ltd. STRUCTURAL ENGINEERS.

Manufacturers of Steel & Iron Roofs, Buildings & Shedding

SPECIALLY DESIGNED AND ADAPTED TO THE REQUIREMENTS OF

Engineering and Industrial Works,
Tramway Shedding, Collieries, Gasworks,
Dock Shedding, Produce Stores, &c.

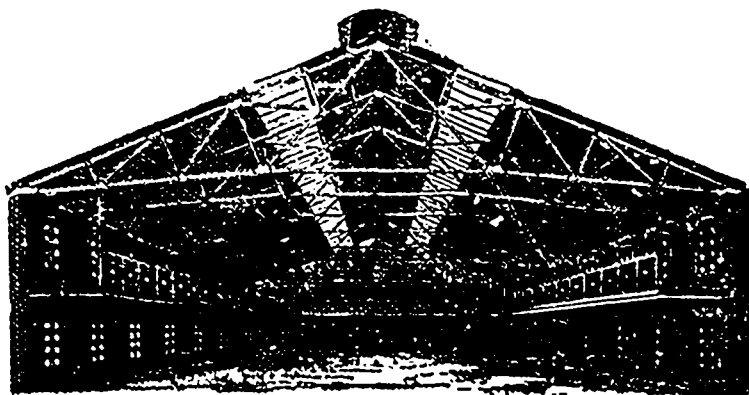
Plans and Estimates furnished on receipt of necessary information.

Engineers' or Architects' own Plans estimated for

Buildings for Shipment and Re-Erection
Abroad a Specialty.

Illustrated Catalogues, containing useful information and varied examples of constructed work, free on Application.

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In order to save time it is well when sending photographs to state on each the exact size of the electro required. Specimens of our work are shown in the illustrations used in THE TRADE REVIEW.



JAMES McMILLAN, VULCAN IRON WORKS

SCOTT ST., PORT DUNDAS, GLASGOW,
SCOTLAND.

CONTRACTORS FOR EVERY DESCRIPTION OF

STEEL & IRON STRUCTURAL WORK.

Iron Doors, Window Frames, OF ROLLED STEEL,

LIGHT AND STRONG AND ALMOST AS CHEAP AS WOOD.
PRICES AND SAMPLES ON APPLICATION



Mrs J. P. Duperre, milliner, of Quebec, has assigned, her landlord having put in a seizure for rent. She owes \$800.

F. Gaulin, tinsmith, of Granby, has assigned owing \$1800. So also has Jos. T. Henderson, hardware, of Niagara Falls. He will owe \$3,500.

J. E. McGlashing, general store, Bayfield, N. B., is offering 40 cents in the dollar on liabilities of \$6,000. He lost money in a lobster packing venture.

J. L. Langlois, general store, of Amqui, Quebec, is trying to effect a compromise at 25 cents in the dollar, on time, on liabilities of \$860. He failed in 1898 when he settled at 25 cents in cash.

A. N. Lawrence, hardware, of Revelstoke, B. C. has assigned with liabilities of \$16,000. He claims a nominal surplus of \$2,000 but it is in poor shape for realization. He was practically a supply account for a Winnipeg house.

F. Hogue, butcher, Rachel street, has assigned owing \$550. J. O. Clermont, who runs a small grocery on Beaudry street, has assigned owing \$700.

Mrs. Isabella Macaulay, milliner, Carman, who made an assignment recently to F. J. G. McArthur, was sold out at auction on Tuesday, the 9th inst., at a rate on the dollar. The stock is valued at \$928.

The stock of hardware, paints, oils, etc., belonging to the insolvent estate of James Johnston, Bleury street, was sold by auction by orders of the curators, for 45 cents on the dollar. The book debts realized 35 cents on the dollar.

Maud Watson, general storekeeper and sawmill, Kinmount, Ont., bought the assets of her husband Alex. Watson for 25 cents in the dollar, when he failed in September, 1899. He resumed in her name, but has been unsuccessful again,

The stock of Austin & Roberston, paper manufacturers of this city, has been sold at 74½ cents, to the Consolidated Pulp Co., Ltd., also the stock of Jos. Pepin, St. Albert, at 64 cents, to J. D. Thomson, of Buckingham.

Harry S. Phillips, financial agent of this city, doing business under the name of H. S. Phillips & Co., has made an assignment on demand of William E. Phillips, his brother. His total assets amount to \$147,466, and his liabilities are \$110,370. The principal creditors are: Merchants Bank of Halifax, secured, \$38,720; Travellers' Insurance Co., first mortgage, secured on a Westmount property, \$20,000; William E. Phillips, \$4,000, secured; Romeo Provest, \$18,239; Anna B. Coughlin, \$13,017, secured; W. P. Mullins, \$615; W. H. Edson & Co., \$488; Geo. Bailie, \$511; C. A. Lefebvre, New York, \$758; F. Williams, Ottawa, \$530; A. Sauve, New York, \$400; W. A. Moore, \$657; A. A. Mills, Boston, \$500; T. Percy, \$230; W. Humphreys, Quebec, \$320; J. Yeldo, \$210; A. Cousineau

THE GLENBOIG UNION FIRE CLAY CO. LTD.
GLASGOW SCOTLAND

OFFICES: 48 WEST REGENT ST. GLASGOW
 WORKS: GLENBOIG N. COATBRIDGE, GARTCOSH & CUMBERNAULD
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 42 PRIZE MEDALS & DIPLOMAS OF HONOUR
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SOLE MANUFACTURERS OF THE **GLENBOIG AND GLENBOIG STAR BRANDS**

THE SPECIAL BRICKS REQUIRED FOR THE CONSTRUCTION OF THE LATEST AND IMPROVED SYSTEM OF GAS RETORT SETTINGS.

JAMES DUNNACHIE, Managing Director
 JOHN GRAY, Secretary

STAR WORKS, GLENBOIG, CUMBERNAULD, GARTCOSH

CONTRACTORS TO HER MAJESTY'S HOME & INDIAN GOVERNMENT & THE PRINCIPAL NATIONAL ANNUAL OF LONDON

BOWMORE DISTILLERY
 ISLAY, N.B.
 ESTABLISHED 1779
 DISTILLERS OF PURE MALT ONLY

TELEGRAM ADDRESS: "Washback, London," and "Distillery, Bowmore."

THE BOWMORE

Distillery Company.

DISTILLERS TO THE WHOLESALE AND BLENDING TRADES ONLY.

Head Office: 11 Idol Lane, LONDON.

Glasgow Office: 55 West Campbell Street.

Sole Distillers of **BOWSPEY.**

\$465; D. H. Scott, \$227; S. A. Mallette, \$356; E. W. Malcolm, \$3,500; C. W. Castens, \$3,371; E. Mullins, \$2,000 and Garand Terroux & Co., \$650.

Smith, Fischel & Co., cigar manufacturers, of St. Jerome, have assigned. Their liabilities to the trade are \$25,000, secured, \$18,000, and indirect, \$35,000. Gustavo Fischel is the sole registered partner. They removed to St. Jerome in 1896 in consideration of a bonus of \$20,000. Their business was principally in British Columbia and Manitoba where neither trade nor payments have been good of late, and, besides this, they are

said to be mixed up with the Davis accommodation paper.

The creditors of William Leveck, the Toronto wholesale butcher and cattle exporter who recently assigned, met on the 9th ulto. Liabilities are estimated at \$103,000. Assets consist of real estate valued at \$67,000, chattels valued at \$2,300, and a number of notes and accounts which the Dominion Bank holds in trust. That institution is the principal local creditor. The foreign creditors are unsecured as follows:—E. J. Poole, Cardiff, Wales, \$6,645; John Rogers & Co., Birkenhead, \$5,780; Morso & Rogers, Birkenhead, \$2,287; Price and Sullivan, Liver-

pool, \$3,130; Edward Watson and Ritchie, Glasgow, \$3,050; Polls, Brewster, Ramsden and Duckman, London, \$2,430; John Cramp, London, \$1,460; T. & J. Maughan & Co., Newcastle, \$1,310; Roderick Scott, Glasgow, \$850; D. H. Elliott, Liverpool, \$485; Duff, Paul & Ferguson, Glasgow, \$365. Total, \$28,712. Mr. Leveck's failure is largely due to real estate speculation. During the land boom he purchased land heavily from 1887 to 1891 and came out with \$200,000 worth of property in his possession. Three weeks ago, the property was valued at between \$70,000 and \$80,000 making a loss of about \$125,000. Mr. Leveck also lost heavily on cattle shipments to the Old Country in the past

year. When the Boer war broke out, anticipating a big increase in the value of ocean space and a greatly augmented demand for cattle in England, he contracted for all the boats of four lines, but the vessels which carried the troops to South Africa upset his calculation by making the trips to South America on the return voyage, bringing back heavy shipments of cattle from there, which flooded the British market, occasioning heavy loss to Mr. Levack. Again during the past summer, Levack had large numbers of cattle in the Old country, but the market has been poor and he sustained further serious losses. The extent to which Levack dealt in the export cattle trade is evidenced by the fact that in three years he has sent to his English creditors 40,918 cattle and 21,253 sheep.

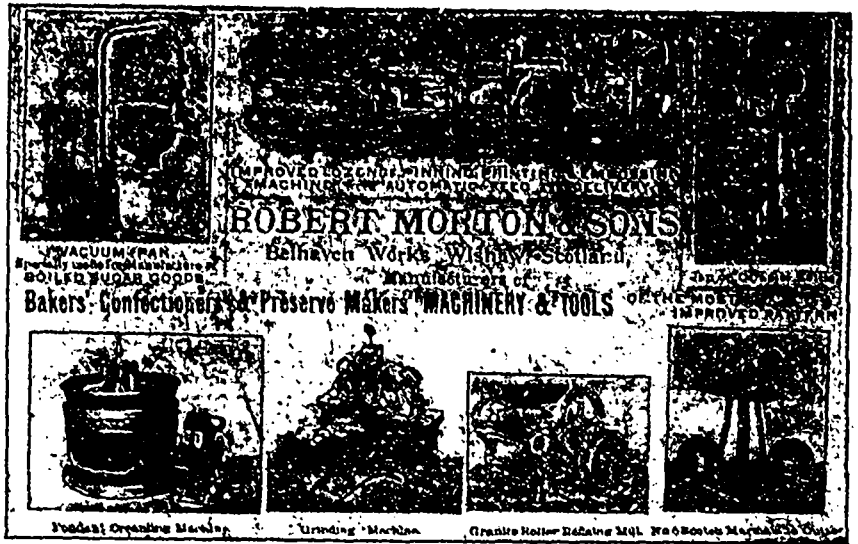
A branch of the Union Bank of Halifax has been opened at Mabou, N.S. Collections will receive prompt attention drawn on Mabou, Brook Village, Whycoomagh, Strathlorne, Margaree, Chimney Corner, Cheticamp, Broad Cove, etc., etc.

The financial crisis in the French wool trade is the leading influence in the English raw material market, and there are those who take a gloomy view of the situation in connection with the next series of London sales.

The Indian coffee trade with France is threatened with extinction by the new French duty on colonial products. India annually exports ten million pounds to France and has to pay twice the duty levied on Brazilian coffee. This trade it is asserted, will now be ruined.

Prices were announced this week by the representatives of the Columbia River Packers Association of fall pack of Col-

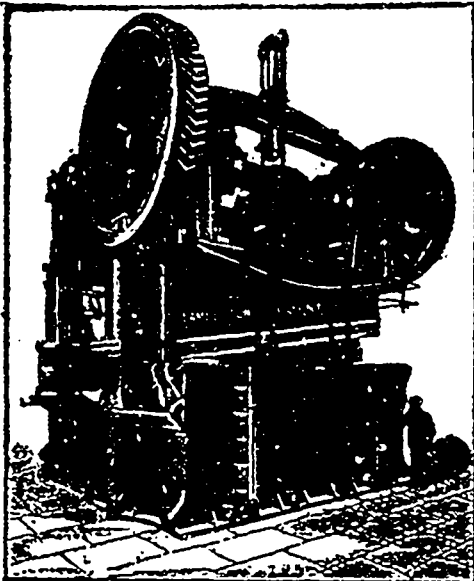
umbia River salmon as follows: Silver sides, talls, \$1.25; flats, \$1.40; and half pounds, 90c. A price of 90c was named also on chums. "The prices named," said an operator "are considerably higher than those made last year and, according to our advices this pack will be light, as the run of fish is small. This description of fish does not interest the trade here much. Most of the pack is sold in the West and Southwest."



STEEL PLANT.

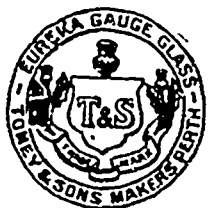
LAMBERTON & COMPANY.

Coatbridge, Scotland.



MAKERS OF THE
Largest and most modern installations of machinery for the manufacture of Steel.
COGGING, PLATE, BAR, AND RAIL MILLS.
Bloom and Plate Shears,
Reversing Mill Engines,
Hydraulic Plant; &c.

Patent Plate Shears, to cut 14 feet by 2 inches thick.



Eureka Gauge Glasses

TO ENGINEERS AND USERS OF STEAM POWER GENERALLY.
We beg to call your attention to our Eureka Gauge Glasses. Their specialties are their Great Durability. They bear any Variation of Temperature and do Not Change Colour.
Our Glasses have recently been tested by an Inspector for the Indian State Railways to the extraordinary pressure of 6,800 lbs. per Square Inch. We are satisfied that anyone after giving them a fair trial will use no other.
ENAMELLED GAUGE GLASSES. PATENT GLASS TUBE CUTTERS. NEEDLE LUBRICATORS.

TOMEY & SONS, Tay Glass Works, PERTH, SCOTLAND.



The Albion Iron Works Co., Limited,

ENGINEERS, FOUNDERS AND BOILERMAKERS.

Canning Machinery, Steel-Riveted Pipe,

Marine and Land Engines and Boilers built for Government Inspection.

TUBULAR BOILERS, THAWING POINTS, DEBRICKS AND HYDRAULIC PIPE.

Contracts given for all kinds of work. Repairs executed with despatch. Castings of all descriptions. Agents for Worthington Pumps.

Office and Works: **VICTORIA, B.C., CANADA**

Boiler Pipe Covering CEMENTS.

REGISTERED



TRADE MARK.

WM. DUFF & CO.,

66 Elliott St., - GLASGOW, SCOT.

Telegraphic Address.—"COVERERS."

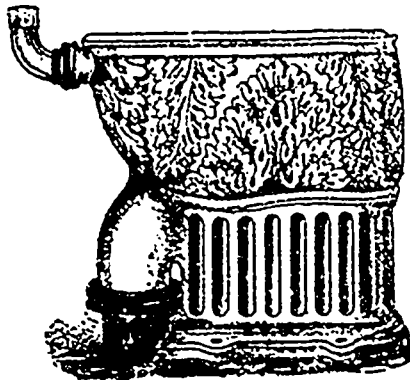
Telephone No. 4771.

WM. STEVENSON & CO,

74-80 Brown Street, GLASGOW, SCOTLAND.

LEAD MANUFACTURERS,

General Metal Merchants
and Zinc Workers,



SPECIALITIES:

Lead Pipe, Sheet Lead, Block Tin Tubing, Plain and Tin'd Compo. Tubing, Lead Encased Tin Pipe, Window Glazing Lead, Lead Wire, Solid Drawn Lead Traps, Bends and Soil Pipes, Lead Washers and Shot.

WATER, GAS, SANITARY and BELL FITTINGS.

Telegraphic Address. "Lead, Glasgow."

Special Attention given to Export Orders.

CANADIAN DRESS GOODS.

Canadian dress goods continue to hold a very strong position in the market. Many retailers throughout the country are of the opinion that the Canadian goods in many cases show better value than imported lines. Homespun are the great feature in this line. The leading retailers in this city, as well as in all the large cities and towns of Canada, have been going very strong on this line. Reds and grey, and especially greys, are particularly good property. A leading retailer took a large assortment of Canadian homespun. He expressed the opinion that these goods showed better value than the imported cloths, and proved more taking. They are of greater width. One reason for this, it appears, is the fact that owing to the competition offered by Canadian makers the British manufacturers, in an effort to meet the prices, have reduced the width of their cloth. Canadian homespun are being sold in considerable quantities in England to-day, fashionable Regent street establishments taking them. This is surely sufficient guarantee of their style and fitness for any trade. There is no doubt as the season advances that colors in homespun will be more inquired for. Bright reds, bright greens and navys will be stronger. These goods have great character and make up into most attractive garments.

MANUFACTURERS VERY BUSY.

All the fabric mills in Canada are very busy. Many experience great difficulty in getting sufficient skilled labor. They are receiving a great many orders for the ensuing season, and in many cases the capacity of the manufactories is being taxed to the utmost extent. There is no overproduction in any line. The representative of a large shirt company of Montreal stated that his concern employed 800 hands, and would gladly increase their staff by 200 if they could get the operatives, some of whom, girls and women, were earning as high as \$8 to \$10 a week. They had resorted to the expedient of offering present employees a bonus for finding suitable hands, but they were still unable to get all the labor they required. The astonishing increase in the consumption of manufactured goods in Canada was not, he found, easy to account for outside of the contention that the people of this country were more prosperous, and were buying more goods. They were not only buying more, but were buying a better class of goods than ever before. Last year his company found the demand so large, that they had said:—"This cannot last; next year the demand will fall off." This year the demand is larger than ever. The only conclusion to be drawn from these facts, he said, was that "the country a few years ago was starved for goods."

The deputy minister of the militia has received a cable from the India office sending £40,000 sterling for militia clothing sent to China. This will make \$370,000 so far received for supplies sent to China.

THE EXPORT APPLE TRADE.

W. N. White, London, writes as follows: England, France, Germany, Holland, Belgium and Italy have the largest crops in my recollection. English crops, being so large, lack quality; present prices are very low, the lowest I have ever known, and all kinds of cooking fruit must be very cheap all the season. Good dessert apples are not so plentiful, and any pretty colored stock at a moderate price should sell freely, provided the supplies are not too large. Prices, of course, must depend on the supplies, and if you send us as many as you did in 1896, you will not even get 1896 prices. England only wants your best colored fruit; small green, or any poor stock, must on no account be sent. Consignors must not forget that the charges of freight and expenses on a barrel of rubbish are as large as in a barrel of best selected fruit. I notice that, because a few samples were sold at the Exposition in Paris at fair rates, some folk think there will be a market in France. Such is not the case; she has the largest crop for years, all very healthy, and she cannot find a paying market. I dare maintain that apples consigned to France would not make freight and expenses. Germany has enough apples for cooking purposes to last her till midsummer, 1901. She will only want a short supply of red fruit, certainly not so much as in 1896. Do not be misled by those who have their own special tax to grind. Italy has an abundant crop, and will export a large quantity of good apples to Germany, as no other market is open to her this year. Belgium and Holland have large crops, none of which are wanted in London, and as the bulk of this crop is grown for export, the north of England, Scotland and Ireland will have their sup-

THE WATERPROOFING CO., Ltd.

Canvas Manufacturers, Waterproofers, Etc.,
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Telegraphic Address, "WATERPROOF, BARRHEAD."

Contractors to Her Majesty's Government, Home and Foreign Railway and Steamship Companies, Etc., Etc.

—MANUFACTURERS OF—

WATERPROOF COVERS FOR RAILWAY WAGGONS, CARTS, RICKS, STACKS, Etc.

PATENT TARPULINS For Ships' Hatches, Perfectly Clean, Entirely Free from Stickiness, and Suitable for all Climates.

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For Coating New and Used Cart and Waggon Covers. Special Qualities Prepared for Shipment.

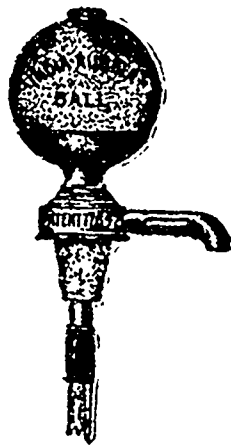
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THE "CLYDESDALE" PATENT PREPARED CARRIAGE ROOFING

For Covering Railway Carriages, Vans, Etc.

The most efficient Covering in the Market. Made in pieces any size required, without seams.

SAMPLES AND PRICES ON APPLICATION.



A Boon to Public Bars.

**NEW PATENT
PNEUMATIC SYPHON,**

FOR DRAUGHTING ALL KINDS
OF LIQUOR.

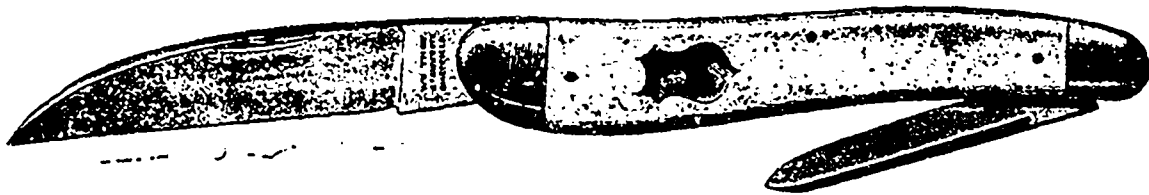
Made in different sizes, to suit bottles, decanters, or jars, up to one gallon. Great saving in liquor and time. Beautifully finished and durable. Made of White Metal and Rubber. Lined throughout with Glass.

Price, 3s 6d Each. 38s per Dozen.

A. BISCHOFF & CO., LTD.,

112 Bath St. GLASGOW, SCOTLAND.

Agents Wanted. Terms on Application.



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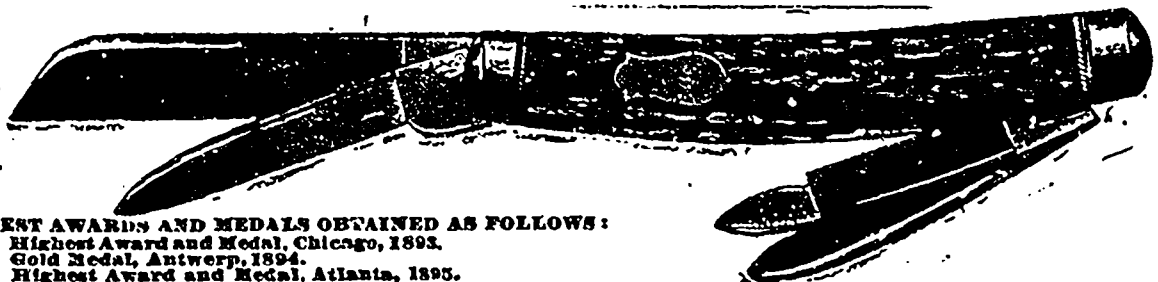
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Manufacturers of the Best English Cutlery of Every Description.

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Gold Medal, Antwerp, 1894.
Highest Award and Medal, Atlanta, 1895.
Highest Award and Medal, Brussels, 1897.
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JOHN GRAY & CO., Ltd.

Adelphi Terrace, Glasgow, Scotland.

Telegraphic Address, "LAMBERTON."

SPECIALITIES:

Red Riding Hood Marmalade, Jams, Jellies, Candied Peel.

MAKERS OF ALL KINDS OF CONFECTIONERY.

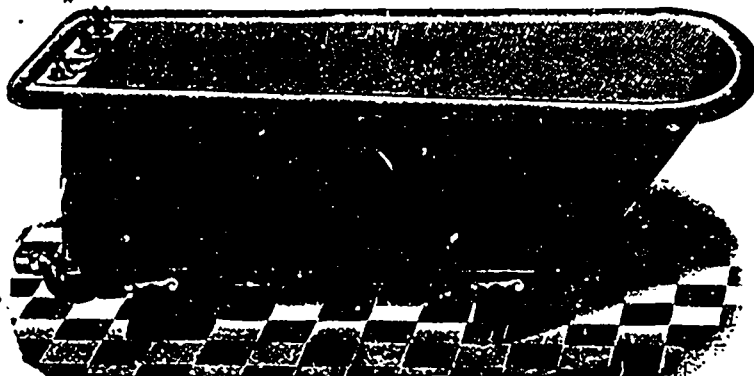
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LONDON ADDRESS—4 UPPER THAMES ST., E.C.
Telegraphic Address, "McDowall Steven, Glasgow."

ARCHITECTURAL & GENERAL IRONFOUNDERS, MILTON IRON WORKS, GLASGOW, SCOTLAND.

MANUFACTURERS OF

Railings & Gates, Warehouse Fronts,
Spiral Stairs,
Straight Stairs,
Covered Ways,
Conservatories,
Band Stands,
Pig Troughs,
Lamp Posts,
Arcades, Porches,
Urinals, Closets,
Pumps, Sinks,
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Window Guards,
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Poultry Troughs,
Rain Water Pipes,
Cow House Fittings,
Rain Water Outlets,
Ventilators,
Dust Bins,
Windows, Finials,
Verandahs,
Balconies, Etc.



THE "MILTON" No. 50 BATH.

MANUFACTURERS OF

Ornamental Roofing, Fender Curbs
Ornamental Signs,
Desk Standards, Chimney Pieces
Drinking Fountains,
Garden Rollers,
Garden Tables,
Garden Chairs
Clock Towers,
Queenstools,
Newel Bars,
Balusters,
Lavatories,
Columns,
Colls, Panels,
Baths, Brackets,
Kitchen Ranges,
Register Stoves,
Furnace Fittings,
Tile Stoves, Etc.

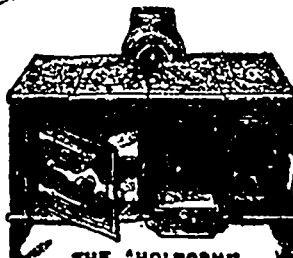
No. 204 E. L. PILLAR

No. 204 E. L. PILLAR

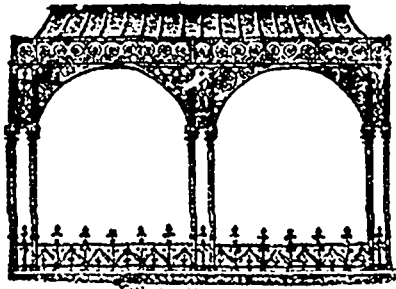
STABLE FITTINGS.



LOOSE BOX UNBREAKABLE



THE "HOLBORN" SELF-SETTING RANGE No. 136.



No. 32 VERANDAH

plies for some months from these parts at low prices. The outlook, therefore, is not very encouraging."

PETROLEUM FUEL.

The use of liquid fuel is increasing annually. In Russia over seven million tons of petroleum products were employed last year for the generation of power, and important steamship companies trading in Asiatic waters have equipped ships with appliances for their utilization, have established great supply stations ranging from Suez to Yokohama, and have constructed freighters capable of carrying nine thousand tons, and about three million gallons, of oil in a single cargo.

Despite the less cost of coal, petroleum is forging to the front surely, notably as the mechanical difficulties of its application have been overcome. It can be handled and transported with facility; furnaces in which it is burned can be managed with greater ease, and steam can be raised more quickly and be controlled more surely. Hitherto efforts were made mainly to

atomize the oil by a steam jet, but the Russians found that pulverization was open to many objections, and as the result of exhaustive experiments have evolved a perfect combustion system wherewith the oil is vaporized by hot air supplied under pressure. This leaves no betraying smoke.

DOMINION FINANCES.

The statements of revenue and expenditure for the three months of the fiscal year shows that while the revenue is still increasing, the expenditure is growing so that the net result for the three months only shows a difference of \$3,860,325 between revenue and total expenditure, while for the same period last year the difference was \$4,271,475. In other words, while the revenue has increased \$1,093,254, the expenditure on account of consolidation fund has increased \$692,048 and on capital account \$812,356, making a total increase in expenditure of \$1,504,494. It is a noticeable feature of the increase in expenditure on capital account

that \$258,083 of it is in public works, including railways and canals, and \$354,214 in railway subsidies. The following statement gives the details for the three months this year and last:—

	1899.	1900.
Revenue.....	\$7,090,650	\$7,472,256
Customs.....	2,204,906	2,401,132
Excise.....	660,000	730,000
Post Office.....		
Public Works and		
Railways.....	1,288,926	1,545,245
Miscellaneous.....	328,346	609,439
Totals.....	\$11,664,829	\$12,758,062
Expenditure.....	\$8,159,333	\$6,851,388
Capital expenditure—		
Public Works and		
Railways.....	\$1,014,112	\$1,272,176
Dom. Lands.....	87,916	47,761
Ry. subsidies.....	181,493	535,707
Militia.....	611	706
S. A. contingent..		190,621
N.W.T. rebellion.	111	614
Totals.....	\$1,284,021	\$2,046,377

It is announced that Melbourne will be the capital of confederated Australia.

H. W. TATE & CO.,

Manufacturers of Woven Steel Wire and Chain
Spring Mattresses,

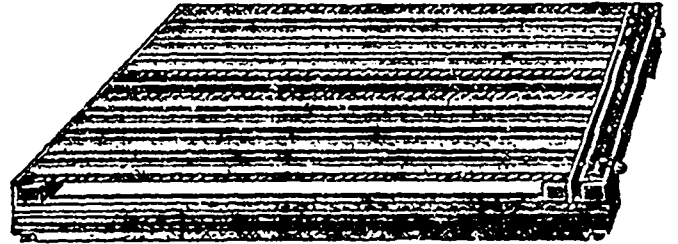
UPHOLSTERERS' SPIRAL SPRINGS, BEDSTEADS & BEDDING.

General Commission & Forwarding Agents

British Goods Purchased & Shipped.

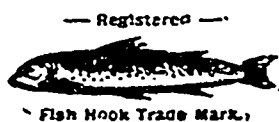
CANADIAN HOUSES REPRESENTED
IN ENGLAND.

ENQUIRIES SOLICITED.



50 & 52 Rathbone St., Liverpool, England.

R. HARRISON, BARTLETT & CO.



NEEDLE, FISH HOOK and FISHING
TACKLE MANUFACTURERS,

Redditch, - England.

Registered.



General
Trade Mark.

Sole Manufacturers of "HARRISON'S" CELEBRATED SPRING STEEL HOOKS.

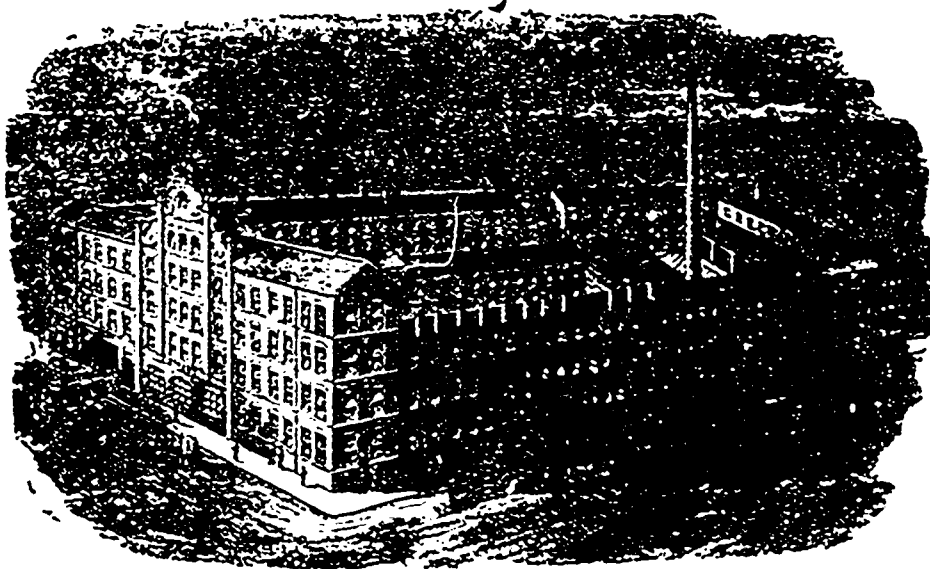
SPECIALITIES :

"Harrison's" Spring Steel Carlisle Hooks, "Harrison's" Spring Steel Sproat Hooks.

"Harrison's" Forged Spring Steel O'Shaughnessy Hooks.

Also every description of Fish Hooks for Canadian Markets, specially made from the Finest Spring Steel Wire obtainable, and of even temper.

Bass, Salmon, and Trout Flies on Double Gut, Single Gut, or Reinforced Gut. Any of the above on Eyed Hooks. Gut Casting Lines. Dressed and Undressed Silk Lines. Artificial Baits, Minnows, Insects, &c. in Great Variety. English Made Fly Books and Reels of all qualities in stock.



Robert Stroud & Son

LIMITED,
Manufacturers of

Steel, Tin-Plate and
Japanned Wares,

Seamless tinned steel,
HOLLOW-WARE.

Bedroom Suites and Wood,
Coal Vases.

NIPHON WORKS.

Wolverhampton,
ENGLAND.

Telegraphic Address—"Stroud Wolverhampton."

The civil servants talk of forming an association to buy coal, and thus overcome the combine in Ottawa.

The Michigan Supreme Court finds the act granting a bounty of one cent per lb. on all beet sugar manufactured in the State unconstitutional.

Reports of the sealing industry in Behring Sea this year indicate that the catch will be very small. The weather conditions have not been favorable,

The paper trade in Germany is reported very firm. Makers of long elephant papers have agreed to an advance. Higher prices are also quoted for flint, surface and enamel papers.

The first telegram from Skagway to Seattle, marking an epoch in the history of business between Alaska and the outside world was received on the 4th ulto. The time occupied by the message in

transit was seven hours. This will be reduced. The line over which it passed to Vancouver is that which the Canadian Government has constructed.

E. B. Douglas, president of the Sault Ste. Marie Pulp and Power Co., has been at the head of the lakes for the purpose of studying the water-power in the neighborhood of Fort William and Port Arthur. He may make a proposition to those towns looking to the supplying of water and electrical power.

Dunsmuir & Jackson,

Govan Engine Works,

GOVAN, - GLASGOW,
Scotland,

Manufacturers of the

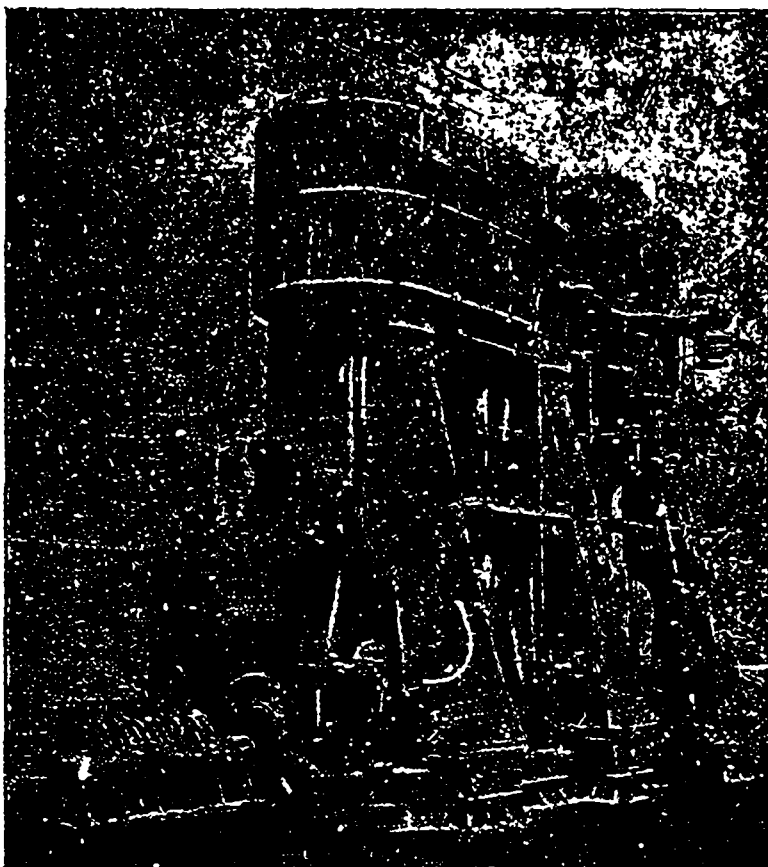
*Newest and Latest
Improved*

Engines

FOR

STEAMSHIPS, YACHTS,

And all Marine Work.



PRESIDENT SHAUGHNESSY IN THE WEST

President Shaughnessy of the C. P. R. is on his annual tour over the western end of the system. He arrived in Winnipeg, and inspected the company's property and affairs there and on some of the branch lines, when he left for the West accompanied by the local officials. While in Winnipeg Mr. Shaughnessy interviewed the city council regarding the contribution which the company want from the city towards the proposed subway on Main street, which will be made necessary by the erection of the new hotel and depot. He is reported to have proposed that the city contribute \$20,000 towards the building of the subway. Mr. Shaughnessy was banquetted at the Manitoba club at which about 80 leading citizens were present. In the course of a speech at the banquet he said that the company had decided to redress the long standing grievance of the west in the matter of passenger rates to the east and return by making the rate correspond to the return rate now prevailing at eastern points from the west. This is a reform which has long been sought by the Winnipeg board of trade and others

The negotiations for the sale of the Canada Foundry Company's plant, the old St. Lawrence Foundry to the General Electric Company, have been completed. The foundry will be continued as a separate company and it will be the policy of the new management to very largely extend the business.

Patent Process Wire Weaving Co.

CARNTYNE, by GLASGOW,
Scotland,

Manufacturers of all Classes of

WIRE GAUZE

For Engineers.

"H.C." COPPER WIRE AND GAUZE

For Electrical Purposes.

Telegrams—"Terminals, Glasgow."

Telephone—2605.

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Starch and Corn Flour Manufacturers

—FOR THE—

Wholesale Grocers, Laundry, Calico Printers, Cotton Cloth Finishers, Cotton and Jute Makers, and Paper Makers.

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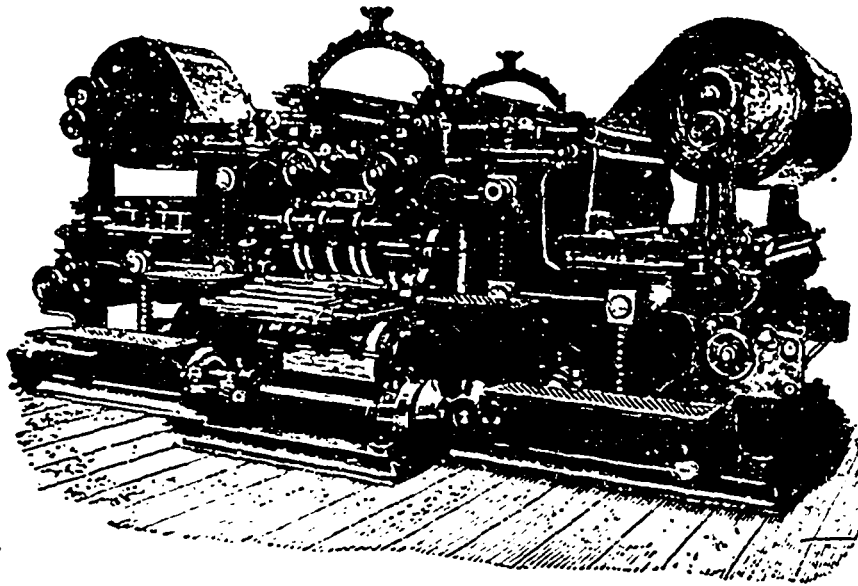
Adelphi Starch Works.

PAISLEY,

SCOTLAND.

Telegraphic Address: Adelphi, Paisley.

The "VICTORY" "Single Reel," "Tandem," "Straightline" and "Central Delivery" PRESSES



—FOR—

*Printing, Insetting,
Pasting, Folding,
and Delivering*

Newspapers

- OR -

Periodicals

**OF ANY NUMBER
OF PAGES.**

Sole Patentees and Makers:

The "Victory" Web Printing Machine Co., Ltd.,

Telegraphic Address: **MATRIK. LIVERPOOL.**

EDGE HILL, LIVERPOOL, ENGLAND.

Iron and Steel

**Plates, Bars, Angles, Tees
ETC.**

FOR SHIPBUILDERS, ENGINEERS, BOILERMAKERS, ETC., ETC.

TOOL STEEL OF ALL KINDS.

JAMES T. DONALD & CO. LTD. 35 McALPINE ST.,
GLASGOW,

Telegraphic "Mechanikos," Glasgow.

SCOTLAND

Telegraphic advices say that Mr. George G. Anderson, of Denver, Col., who located and had charge of the construction of the Canadian Northwest Irrigation Company's 90-mile irrigation canal in Southern Alberta, has been engaged by the Canadian Pacific Railway Company to go over the ground for a still more extensive irrigation enterprise, which that company has in contemplation for the improvement of the lands in the light rainfall parts of the West. The water will be drawn from Bow river. It is said that the construction of the intended irrigation canal will not present nearly as many engineering problems as were encountered in Southern Alberta. Hundreds of thousands of acres of lands will thus be made available for

settlement. While the Canadian Pacific has been anxious to go over the ground this fall, it is understood other business engagements have delayed him, though it is not unlikely that the preliminary surveys will be made in time to allow the work of construction being begun early next season.

For the benefit of our readers, we publish a complete list of Canadian patents recently procured through the agency of Messrs. Marion & Marion, Patent Attorneys, New York Life building, Montreal. Michael McNeil, Little Glace Bay, N.S., process of preserving eggs; David Holford, Cranbrook Southeast, B.C., harness; Albert Stansfield, Manchester, Eng., coin freed

prepayment for gas meters mechanism; Francois Morin, St. Lin, Que., machine for upsetting and shrinking tires; Adolard LeClerc, St. Antoine de Tilley, Que., churo; James A. Gemmill, Carleton Place, Ont., curtain stretcher; Hjalmar Lauge, Vesteras, Sweden, soldering of aluminum; James Edgar Gillie, Head of Tide, N.B., automatic fire alarm; Messrs. Dauphinais & Garon, St. Paul's Hill, Montreal, clipper.

The cabbage crop of 1900 has been a good one in the Northwestern States and makers of sauer kraut are quoting low prices for new makes in consequence. In 50 gallon casks it is quoted at \$6.00 as against \$9.00 a year ago.

- THE -

Oldest Liqueur Scotch Whisky.



Stenhouse Liqueur



WHISKY



The "*LANCET*" says :

"The statement that this Whisky is a blend of fine old whiskies and that it has been matured for ten years is borne out by its peculiar softness and mellowness of flavour. It is a singularly pure spirit in which any very pronounced flavour is practically absent."

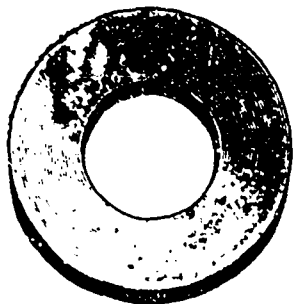
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OVER THE WORLD.

WM. STENHOUSE & CO.

Glasgow, London and Manchester.

J. & A. E. JENKS,
HEATH TOWN,
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ENGLAND.



MANUFACTURERS OF
Iron and Steel Washers

Engineers' Washers, Railway
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ROOFING WASHERS { Self Colour
 Galvanized.

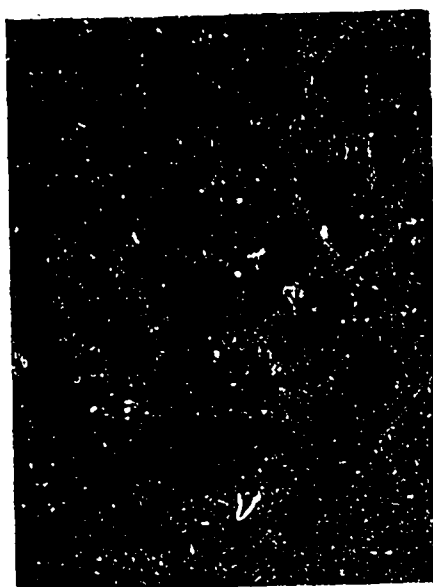
SQUARE WASHER PLATES,
 To 8 in. Sq. x 1/2 in. Thick.

MILD STEEL BLANKS AND BINGS,

For Turning, &c., 9 in. dia. to 1 1/2 in. Thick.

Also all kinds of Pressed Work. Sheet Steel cut to Shape,
 Flanged, Bent, Drawn or Flanged to Drawings or Patterns.

The New Steel Co., Limited,



Manufacturers of
**PATENT
 HORN
 AND
 STEEL
 BRUSHES
 AND
 BROOMS,**

:- :- :-

15 Queen St.,

**NEWCASTLE-
 ON-TYNE,**

England.

Telegrams, "STEELROPE" LIVERPOOL. CODES: "A. B. C." "A. 1." and "MORRING & NEALS."

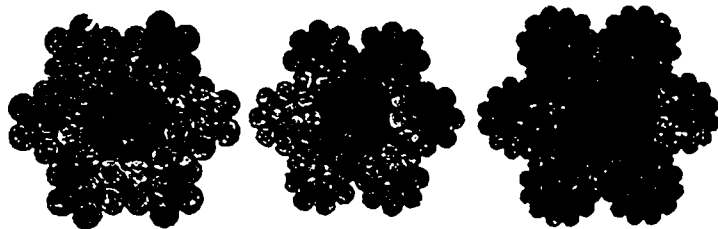
ESTABLISHED 1870.

W. B. BROWN & CO.,
(BANKHALL,) LTD.

Montreal Agent, G. H. WEAVER, ESQ., 22 & 24 St. George Street, where a stock is held.

ENGINEERS *And Manufacturers of* **Steel Wire Ropes**

For Mines, Railways, Aerial Tram-
 ways, Engineering Pur-
 poses &c.



STEEL WIRE CABLES

For Traction Tramways Canal
 Towage, Suspension Bridges &c.

Special Flexible Steel Wire Ropes for Hoists, Lifts, Cranes, &c.

Globe Works Bankhall.

LIVERPOOL, ENGLAND.

The Elder Dempster Co. has given out the contract for the construction of two large cargo steamships which when completed, will be placed on the Canadian route. One of the vessels will be built by the Armstrong, Mitchell company and the other at the shipyards of Swan and Hunter. Both vessels will be 12,000 tons and will have a speed of 13 knots. It is expected that one of the vessels will be completed and placed in commission at the opening of St. Lawrence navigation next year.

The annual general meeting of the shareholders of the Lake of the Woods Milling Company was held at their office Board of Trade Building. Statements of the affairs of the company for the twelve months ending August 31, 1890, were submitted. A dividend of 10 per cent. on the paid up capital stock of the company was declared and a sum of \$2,500 granted to the Winnipeg General Hospital, and \$500 to the St. Boniface Hospital. The following directors were elected:—Messrs. Robert Meighen, W. A. Hastings, R. B. Angus, R. G. Reid, and John Turnbull, Montreal; John Mather, Ottawa, and G. V. Hastings, Y. nipog.

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THE

"ACHILLES."

(McCormick's Patent.)

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THE BEST IN THE WORLD.

Highest Power and Efficiency
 Absolutely Guaranteed.

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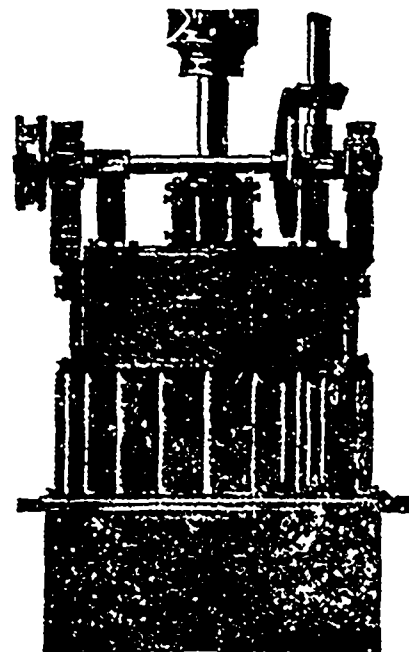
It will pay you before ordering to get our prices.

JOHN MACDONALD & Co

Bridge Turbine Works,
 Pollockshaws,

GLASGOW, - SCOTLAND

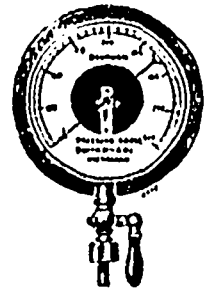
Chief Offices: 146 West Regent St.
 Telegrams: "Consulton, Glasgow."



ESTABLISHED 1847.
Contractors to Admiralty, War Office, &c.

**WE MADE THE FIRST
STEAM GAUGE!**
SMITH BROS. & CO.,
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NOTTINGHAM, ENG.

First Patentees and Manufacturers of the
STEAM GAUGE.



Maker of Smith's Bourdon's & Schiffer System, Steam, Water Pressure, and Vacuum Gauges.

Gun Metal Valves, Cocks, Lubricators, Injectors, Reducing Valves.

Patent Asbestos Packed Fittings

Iron Valves for Steam Water and Gas, and Valves.

**PATENT HARMONY WHISTLES AND
SYRENS.**
WE STILL MAKE THE BEST.

PAYMENTS.

There is no denying the fact that payments last month were not as good as had been expected. The bank clearings prove that statement. Since the first of the present month, however, there has been a marked improvement in remittances from country points. The deliveries of grain in retail centres by stimulating purchase and other farm produce have been more free and the fall openings in many lead-chases have all helped to bring in more cash. The outlook for this month for payments is more bright, certainly so far as Ontario is concerned. The delay in harvest operations in Manitoba owing to the rain has retarded the movement in wheat and made country trade dull in the absence of the farmers from business centres. On the coast money is also said to be tight.

**HEAVY INCREASE IN BRITISH
TRADE.**

The statement of the British Board of Trade for September shows increases of £2,511,800 in imports and £2,185,000 in exports. This is the largest increase in England's foreign trade of any month since June, when there was a gain of £3,667,364 in imports and £2,805,036 in exports. The gains cited above make the September import of merchandise £41,232,800 and the export £29,220,300; leaving excess imports of £12,012,500, against £11,685,700 excess of imports in September, 1899. For the nine completed months, imports have been £379,199,600, against £356,019,300 in 1899 and exports £266,745,000, against £243,014,500.

The foreign receipts of salt mackerel in Boston have been 2,531 bbls and were all from Canada. They were principally 3s. Sales of the Nova Scotia mackerel are reported at from \$9 to \$9.50 per bbl from first hands. Some from Prince Edward Island of better quality sold at \$10.50 to \$11. Some of the Island mackerel counted about 240. All advices from Ireland are to the effect that no mackerel of any account have been cured as yet. News from Norway reports fair fishing and the amount cured up to the last of August was a few hundred barrels in excess of last year.

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Importer and Exporter of
Raw Furs & Skins,
Highest Market value paid
Consignments collected.
Expressage paid.
**494 St. Paul St.,
MONTREAL.**
N.B.—Also highest prices
paid for Bees' Wax and
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Bureau, 16 Broad Street, New York, at 3:30
p.m. \$8 a year, or \$2.00 for 3 months.

Established 1800. Telegrams: Melvor, Birkenhead.

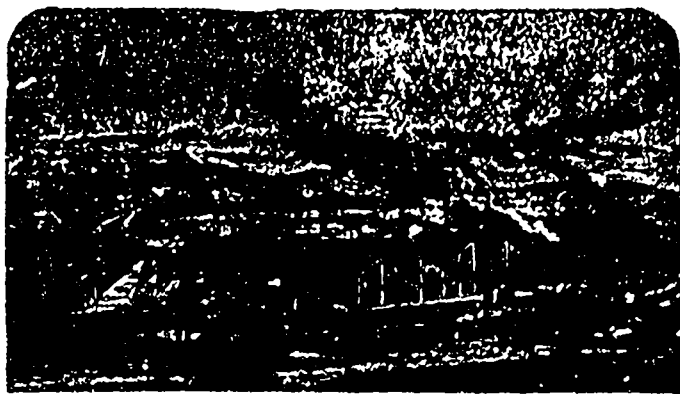
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Manufacturers of
**Boiler and Steam Pipe
Coverings.**

CEMENT MERCHANTS.
Boilers Covered with Asbestos, Mattresses
and Sheet Iron, Fire Bricks, Fire
Tiles, Super Volcanic Cement, &c
Specialists in Fire-Clay Goods for protect-
ing Houses, &c. in Marine Furnaces.
—Grindstones, Tar, &c.—

OFFICE AND WORKS:
**Cleveland St., BIRKENHEAD,
England.**

MACFARLANE, STRANG & CO., LTD.,

Iron Pipe Founders, Water and Gas Engineers and Contractors,



Lochburn Ironworks, GLASGOW, SCOT.

ESTABLISHED 1843.

John Wigfall & Co.,

Manufacturers of Every
Description of

TABLE CUTLERY

*Silver and Electro-Plated
Goods,*

AUCKLAND WORKS, ELDON ST.,

Sheffield, England

Registered "BONA FIDE" Trade Mark.



T. HEMMING & SON, Ltd.



MANUFACTURERS

Of every description of

NEEDLES, FISH HOOKS, & FISHING TACKLE,

FOR HOME AND EXPORT.

Telegraphic Address: "FISHHOOK REDDITCH."

WINDSOR MILLS, REDDITCH Eng.

Bentley & Jackson, Ltd.

Paper Makers' Engineers,

BURY, NEAR MANCHESTER, ENGLAND.



Makers of High-class Fast-running Paper-making Machines.

ESTIMATES FREE ON APPLICATION.

BOLLING & LOWE, LONDON, E.C.,
Engineers and Merchants (Formerly Wm. Bird & Co.)
 ESTABLISHED 1827.

Contractors to the Admiralty, War Office, Crown Agents for the Colonies, &c. Agents for Foreign Governments.

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FOR EVERY DESCRIPTION OF

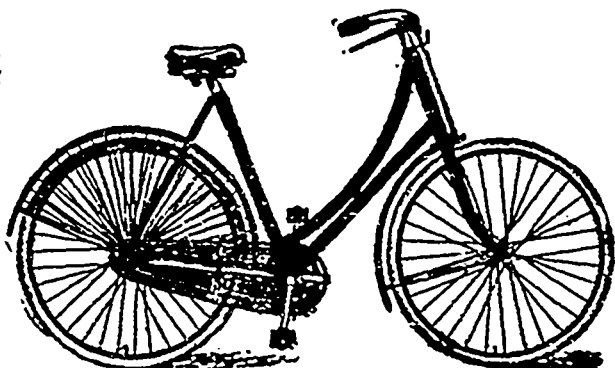
Machinery Installations, Tools, Railway & Tramway Material, Mining & Contractors' Plant.

STOCKS OF NEW AND SLIGHTLY DEFECTIVE RAILS.



"GROSVENOR CYCLES."

Highest Grade Machines at Lowest Prices.
 Lightness, Strength & Reliability Guaranteed.



TRADESMEN'S CARRIERS A SPECIALITY.

MAKERS:

The GROSVENOR CYCLE CO., LTD.
Wolverhampton, England.

ABRAHAM ASHTON.

(Late E. PUGH & Co.)

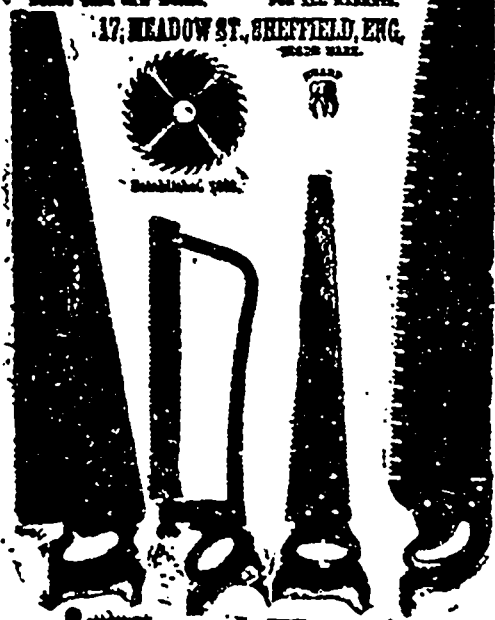
MANUFACTURERS OF EVERY DESCRIPTION OF

SAWS, BEET ROOT SAWS AND SUGAR-CANE KNIVES

FOR ALL MARKETS.

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ENGINEERING CO., LIMITED,

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Hydraulic and Sanitary
Engineers,

Contractors to THE ADMIRALTY,

The WAR OFFICE, The INDIA OFFICE,

The CROWN AGENTS for the COLONIES, Etc., Etc.

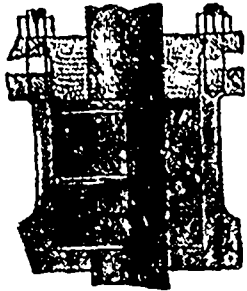
Deacons Waste Detecting Meter

Lord Kelvin's Water Tap and
Steam Valves,

Telegraphic Address: "Waste." Boiler Fittings, Etc.

MURRAY, M'VINNIE & CO.,

Naval Stores, Mavisbank Quay,
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**GENERAL SHIP
FURNISHERS.**

Patent METALLIC
PACKING

For Piston Rods
Valve Spindles, and
Feed Pumps.

The Best Packing
for Triple & Quad-
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Engines.

Four Medals
Awarded.

Used by the Admiralty and Leading Steamship
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REDUCED PRICE LISTS ON APPLICATION.

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Telegraphic Address "UPAR, Glasgow.

THE CARBON CEMENT CO. Ltd.,**BOILER & PIPE
COVERERS.**

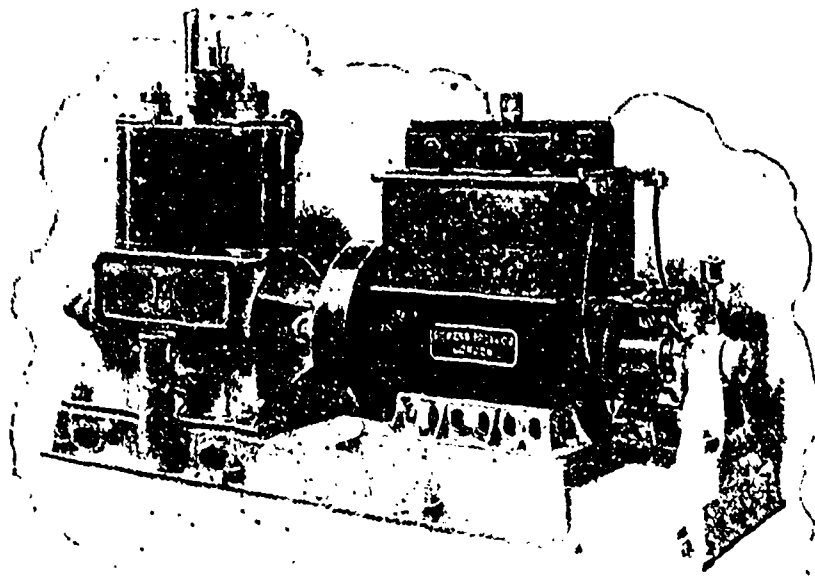
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GLASGOW . . . SCOTLAND.

Compositions Covered with Sheet Iron
Wire Netting, Lead, Zinc, &c.

Special Terms for Export given in our
Non-Conducting Compositions, Sup-
plied in dr" Condition and put
up in Bags.



'SENTINEL' SIMPLE HIGH SPEED ENGINE. As Arranged for Direct Coupling to Dynamo.

High-Speed Engines.

SUITABLE FOR DRIVING EITHER DIRECT COUPLED OR BY BELT.

DYNAMOS, FANS, PUMPS, SAW MILLS, &c.

THESE ENGINES COMBINE

Simplicity, Durability, Economy in Steam, Oil and Attendance.	Perfect Governing, Silent Running, and Attendance.	Automatic Lubrication, Minimum Vibration, Moderate First Cost.
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Standard Sizes, SIMPLE or COMPOUND to 500 H.P.

ALLEY & MACLELLAN,

Sentinel Works, - Glasgow, Scotland.

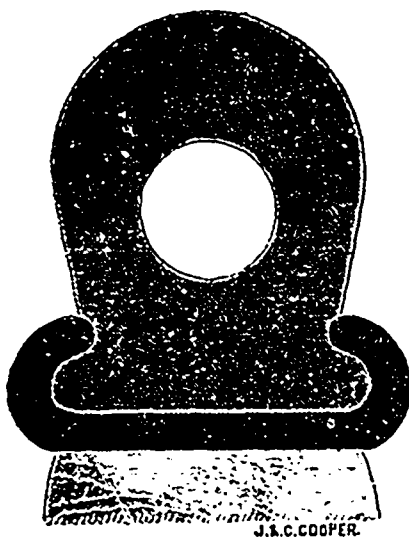


Fig. A.

J. & C. COOPER.

**ROBERTSON'S
Combination Patent Pneumatic Tyre****TESTIMONIAL.**

"JOHN ROBERTSON, Esq.,
Coach Builder, PARIS.
GLASGOW. 12th March, 1898.

SIR.

The Parisian Inventors' Academy
have conferred upon you the title of
Member of the Academy, with award
of the First Diploma and the Great
Gold Medal for your invention,—the
Robertson Combination Patent Pneu-
matic Tyres.

E. BELTCHER,
President of the Academy.

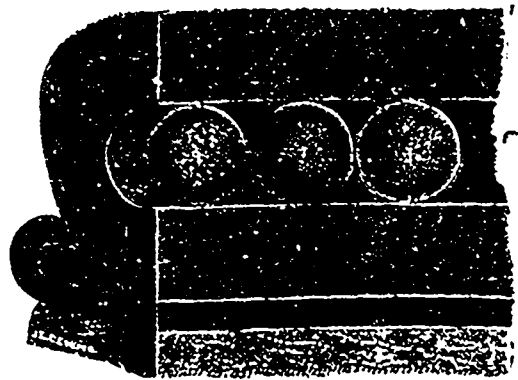


Fig. B.

Our illustrations represent a section of the tyre with the balls inserted, Fig. A, without the balls. Fig. B is another section of the tyre lengthways, showing the balls in position. In this illustration it will be seen that not only are the balls inflated with air, but the intervening space surrounding them is filled with air also, which, being hermetically sealed between each individual ball adds considerably to the elasticity and the pneumatic quality of the tyre.

This patent admits of either solid or pneumatic balls being used.

FOR CARRIAGE TYRES—British Patents, Nos. 13559, '96, and 20,735, '97. It is patented in America as well as in this Country; American Patent No. 663,571, '97. These Tyres are giving great satisfaction, and orders are flowing in for them daily.

He has had a number of Testimonials from his customers who have had these Tyres on their carriages out in use for Fifteen Months, all testifying that for ease, comfort and durability, there has been nothing invented yet like them.

"He had a Carriage fitted with these Tyres out for 7 months, and was driven over rough and hilly roads, going over 1,500 miles in that time. It has just come in without a scratch; almost the same as it went out."

NO PUNCTURING! NO PUMPING!

Prices Upon Application.

**JOHN ROBERTSON, Coach Builder, 412 to 428 St. Vincent Street,
GLASGOW, SCOTLAND.**

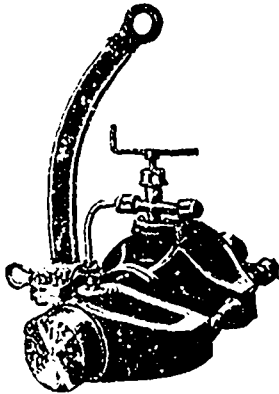
GROW, HARVEY & CO.

Park Grove Iron Works,
GLASGOW, SCOTLAND.

Hydraulic Machinery,

Pumps and Accumulators,
Fixed Riveting Machines,
Portable Riveting Machines,
Hydraulic Presses,
Hydraulic Cranes,

Crow's Patent Flue Flanging Machine
For Adamson's Joints.



Portable Riveting Machine for Adamson's Joints.

STEEL AND IRON WORKS PLANT,

Reversing Mill Engines,
Stub and Bloom Shears,
Heavy Plate Shears,
Tensile & Bend Testing Machinery,

Armor Plate Ripping Machines,

Girder Makers' Plant.

Hydraulic Presses for Trough Flooring,
Radial Drilling Machines,
Plate-Edge Planing Machines,
Plate Straightening Rolls,

**STEAM HAMMERS,
BUILT CRANK SHAFTS.**

It is said there are 400,000 pounds of last season's Canada fleece wool still in warehouses in the United States.

A hay famine is reported at Grand Forks, North Dakota, and the price has advanced \$13 to \$14 per ton. A lot of late hay was cut, but it was ruined by the wet weather.

It is reported that a number of underwear mills making fleeced goods will be converted next year to wool goods. It is claimed that on the present basis fleeces cannot be turned out profitably at popular prices.

It was reported in the trade that holders of shelled almonds on the Coast have wired their representatives here of an advance of 2c per pound over opening prices. Stock selling at 32c has taken the advance and some operators are asking 34c.

Owing to the frequent rains the water in the Little Saskatchewan river at Minnedosa is sufficiently high to float down the logs which were tied up in the spring on the Rolling river. W. Drummond expects to begin cutting from these this week.

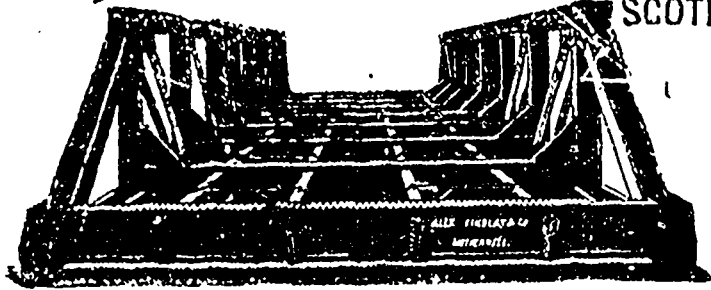
Retail implement dealers in the Dakotas and Minnesota are greatly discouraged over their prospects. They find collections very backward and have large stocks of fall goods on hand. Wagon and plow trade is very light, and so also will the sleigh trade be. Windmills and pumps are in better demand than any other lines.

ALEX. FINDLAY & CO.,

STEEL ROOF AND BRIDGE BUILDERS,

MOTHERWELL, N.B.

SCOTLAND.

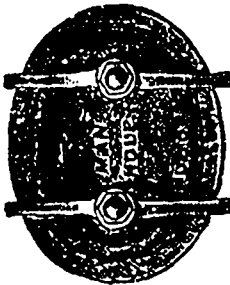


100 ft. spans supplied to the Imperial Railways of North China.

807

STEEL BRIDGES, ROOFS, & GENERAL STRUCTURAL WORK.
SPECIAL HYDRAULIC PLANT FOR MAKING TROUGH FLOORING FOR ROAD AND RAILWAY BRIDGES, ETC.

M'NEIL'S PATENT MANHOLE & SLUDGE DOORS



Are Light, Strong, and Cheap, and are very extensively used in Steam Boilers, Water Main Tanks, Fresh Water Tanks.

When fitted with Flanged Compression Rings will withstand the very highest pressure.

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Telegrams: "McNeil, Glasgow."



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ASBESTOS PACKINGS, JOINTINGS, & NON-CONDUCTING MATERIALS OF ALL SORTS.

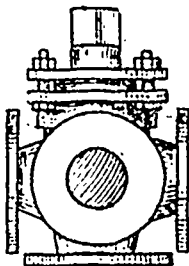
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CANVAS HOSE

FOR FIRE BRIGADES SHIPS, WAREHOUSES &c.

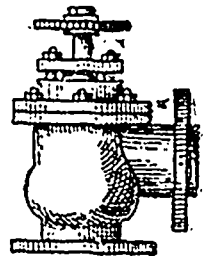
James Duff & Sons.

Coppersmiths, Brass and Bell Founders,



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Electricians,
Gasfitters, and
General Metal
Merchants.



72

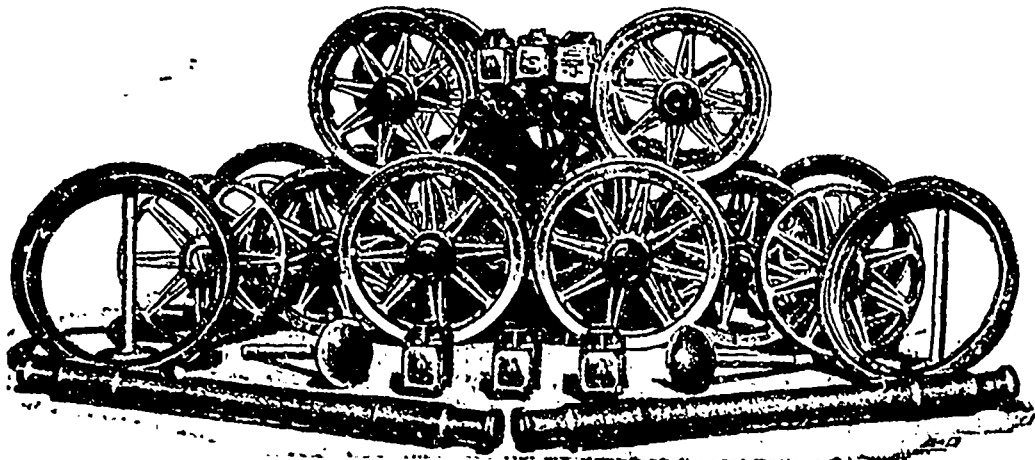
Greenock - - - Scotland.

ESTABLISHED 1810.

The Glasgow Railway Engineering Co.

GOVAN, GLASGOW, SCOTLAND.

Manufacturers
-- of --
**CAST
STEEL
AXLE
BOXES.**



Forgings
in Iron
and
Steel.

Wheels and Axles,

AND

Smithwork of Every Description.

The Laundry Engineering Co., Ltd.

(McALLISTER'S PATENTS)

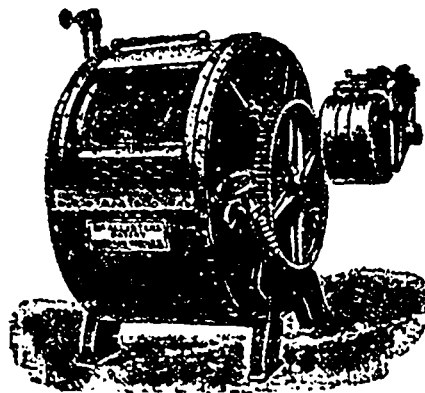
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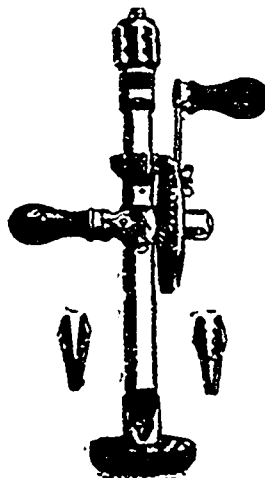
FOX BROTHERS,

SHEFFIELD, LIMITED.

*Delhi Works, Henry Street,
Sheffield, England.*

Patentees and Sole Manufacturers of
American Pattern Ratchet Braces with Ball Bearings
throughout. Steel Bar Coach Wrenches, (28 Single
Bar (2 1/2 Double Bar.) "Delhi" Agricultural Wrench.
"Trusty" Parallel Vice. "Engineers Ratchet Brace with
Spring Feed" No. 012A and Engineers Handle. "Engi-
neers Ratchet Brace without Spring Feed" No. 012B and
Extension Handle. "Mora" Breast Drill (2 Speeds).
"Tuba" Breast Drills. "Crocodile" Double Ended Pipe
Wrenches. "Double Pillar" Pipe Vice.

Also Manufacturers of
American Pattern Braces, Wagon Braces, Cleburn and
Budding Spanners, Butcher, Kitchen and Hack Bow
Saws, etc., etc.



The "Mora" Patent 2-Speed Breast Drill

DISPUTE OVER PRICE OF RAILS.

Directors of the Carnegie Company
Pittsburg, learn that the principal rail-
roads, at a secret meeting in New York,
had decided to pay no more than \$22 a ton
for their rails for the next year. They at
once determined to maintain the \$26 rate
named by the rail pool at a recent New
York meeting. The Carnegie directors
assert that they will not sell rails for \$22 a
ton, and that if the railroads will not pay
more they will have to make them them-
selves. It is alleged that President J. J. Hill
of the Great Northern held a secret meeting
at the Waldorf-Astoria with other rail-
roads operators, and a decision was reach-
ed to not pay more than \$22. Without
this reduction it is apparent that the rail-
roads will not buy. It is said that the
earnings of the Carnegie Co. were \$23,000,-
000 last year as against \$21,000,000 the
year before, as brought out in the Frick-
Carnegie suit.

Louis Fox, C. H. Worden and Henry
Miller, of Fort Wayne, principal owners of
the Hartford City Paper Co., Hartford
City, Ind., have purchased 70,000 acres of
spruce timber on Manatoulin Island,
Georgian Bay. The total yield will be
more than a million cords, and the greater
part of it will be converted into pulp at
the company's mill at Hartford City,

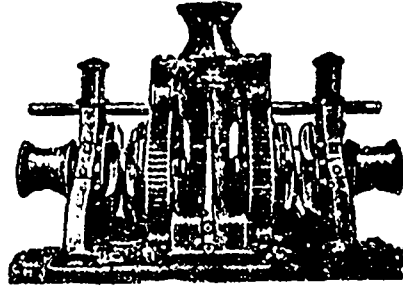
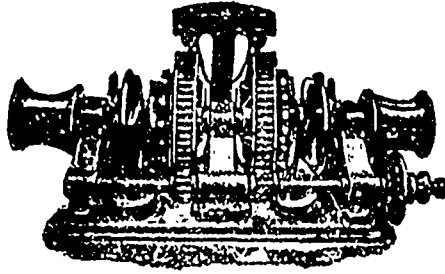
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Thread Street, - - PAISLEY, SCOTLAND

ESTABLISHED 1859.

Telegrams, "REID, PAISLEY."

Patentees and Makers of Ship and Yacht Windlasses and Capstans for Steam and Hand Power, also Steam and Hand Steering Gears.

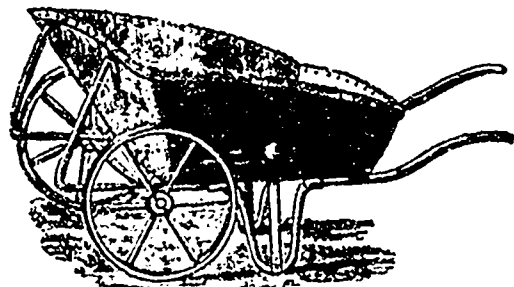


Marine and Land Engines, Boilers and Gearing, Starch-Making Machinery, Hydraulic Presses and Pumps, Hand and Steam Cranes, Crab Winches, Hoists, Donkey, Forco and Lift Pumps, Yarn Bundling and Screw Presses, Card and Piano Cutting Machines, for Hand and Steam Power, &c.

Working Plans, Specifications and Estimates for Machinery and Buildings where power is required carefully made out.

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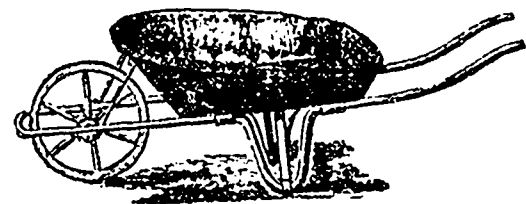
TUBULAR STEEL BARROWS

In 8 Different Sizes.

For Ironworks, Contractors, Railway Companies, Steamships and Mines. And Special Sizes to Suit Users' Requirements.

Packed in parts for Shipment, and being made to template can be put together by unskilled labour.

PRICES AND PARTICULARS
ON APPLICATION.



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AND LITHARGE,

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RICHARDS PATENT STEAM ENGINE INDICATOR.

Manufacturers:

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Manufacturer of

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Winding, Warping and Twisting Bobbins; Throstle, Flax, Rove and Silk Bobbins; Ring and Fly Frame Bobbins. Twood and Jonny Pirns; Power and Hand Loom Pirns. Throstle and Plain Tubes. Lancelwood Tube and Cop Skowers and Bank Pirns. Rools and Racors of all kinds.

Picker Sticks and Hammer Shafts. Weavers and Printers' Beams and Pulleys. Dyers' Pins and Scutching Arms, &c;

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Traction Engines, Portable Engines, Contractors Locomotive Engines, Horizontal Engines, Inverted Cylinder Engines, Simple, Compound and Triple Expansion, Punching and Shearing Machines, Plate Edge Planers, Plate Bending Rolls.

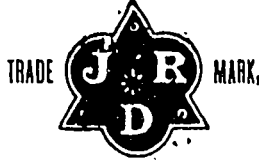
Beam and Anglo Bending Machines, Lathes, Drilling, Milling, Shaping Planing and Screwing Machines, Derrick, Portable, Low and Overhead Travelling Cranes Saw Mill Plant, Mining Plant, Rock Drills, Tool Steel, Files, Hammers, Picks, Shovels &c., &c.

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Of Every Description
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Engineers, Boilermakers, Shipbuilders, Bridge & Girder Makers & Contractors.

ROBERTSON'S Scotch Whisky.



JOHN ROBERTSON & SON, LIMITED,
DUNDEE, SCOTLAND.

TRADE ENQUIRIES.

The following trade enquiries have been received by Mr. Harrison Watson:—

1. A firm of importers in Goteborg, Sweden, would like to hear from Canadian shippers wishing to be represented in the following lines which they consider suitable for their market: Grain, meal, flour, canned meats, fruit, vegetables, lobsters and salmon, dried apples, leather, hides, oil cake, etc. They claim spacious show-rooms in central situation.

2. An important Dublin house asks for names of Canadian makers of clothboards.

3. An importer of Elberfeld, Germany, wishes to be placed in touch with Canadian manufacturers of wooden hammer, shovel and other handles.

GRAIN RATES ADVANCE.

Advices received in Montreal announce a coming increase of 2½ cents per 100 pounds in grain rates between Chicago and New York. At present the normal tariffs are thirteen cents on export and fifteen cents on domestic. The rate will go into effect November 1. This was decided upon at the last meeting of the freight traffic officials of the eastern railroads, including the Canadian lines. The rates for several months, it is said, have been very weak. Numerous attempts have been made to tone them up to the proper condition, but

lasting results could not be attained. The formation of the grain pool east of Buffalo is thought to be primarily responsible for the advance over the existing normal tariff, though well informed local freight men say the increase was contemplated before the pool was formed. From other sources it is learned that the indications of a heavy movement of grain to the seaport make it possible to secure higher rates.

LIQUID FUEL.

The steamship Cowrie, which is discharging a cargo of oil from Borneo at the Thames docks, steamed from Koetei, Borneo, to London, a distance of 9,250 miles, using only liquid fuel. This was reduced to a spray by a jet at the furnace door.

The owners say that the substitution of coal by a liquid proves most advantageous. Six stokers sufficed instead of sixteen. The speed was slightly improved, and the bunker space was also economized, a ton of oil occupying but thirty-four cubic feet compared with the forty-five cubic feet taken up by the ton of coal. Twenty-two tons of oil were consumed daily on this voyage as against thirty-five tons of coal consumed on former voyages.

Borneo oil is declared to be excellent fuel, and is superseding the Russian and American product in the far East, as it can be delivered at 80 shillings a ton in

Hong Kong, 85 shillings in Japan and Colombo, and 50 shillings at Suez.

A NEW PLAN TO PREVENT WAR.

Articles will be filed at Lansing by Homer L. Boyle, of Grand Rapids, for the incorporation of what the organizer believes is destined to be the most gigantic institution of the twentieth century. The object of the proposed company is nothing less than to insure nations against war.

The scheme is based upon a popular stock membership at \$1 per share, the idea being to gain such a large constituency in every country on earth as to make it a practical necessity for the several nations to take out policies. A dividend upon stock is promised from any surplus in the treasury over a certain sum, to be maintained for payment of policies. Nations will be insured in the same manner as individuals in ordinary insurance companies and their assessments will go to constitute this fund. In case of dispute between nations a board of arbitration is supposed to take charge of the matter before diplomatic exchanges have reached a critical stage and make an award.

The proposal to erect a large pulp mill at Fort Frances, on Rainy River is being followed up by a survey of the falls, and the district immediately contiguous, so that a map indicating the desired concessions may be prepared.

Wolverhampton Corrugated Iron Co., Limited,

Shrubbery & Stour Valley Iron Works, - WOLVERHAMPTON, England.

GALVANIZED OR BLACK

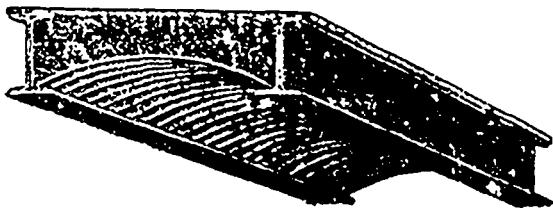
Corrugated Sheets, Flat Sheets for working up, Roofing Tiles, Ridge Capping, Guttering, Down Pipes, Heads, &c., Nails, Screws, Washers, &c.

In short, everything connected with a GALVANIZED ROOF.

WE ROLL OUR OWN SHEET IRON, and are consequently in the best position to ensure quality and prompt delivery.

EMU BRAND CURVED CORRUGATED SHEETS.

OUR FACILITIES FOR CURVING ARE UNEQUALLED. We curve 2-in., 3-in., 4-in. and 5-in. Corrugations to almost any radius, and in any gauge from No. 16 to 30-gauge.



Invaluable for small Spans, Barns, Passage Ways, etc.



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A. 1 Work. Prompt Delivery.

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IRON FOUNDERS, RANGE MAKERS,

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Cor. Vinet and Albert Streets,

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UNARD STEAMSHIP COMPANY'S "Campania," "Lucania," "Saxonia,"
CASTLE MAIL PACKET COMPANY'S "Tantallon Castle," "Dunvegan Castle," "Carlsbrook Castle," "Kinsalms Castle,"
ORIENT STEAM NAVIGATION COMPANY'S "Ormus," "Ophir," "Omrah,"
CANADIAN PACIFIC STEAMSHIP COMPANY'S "Empress of India,"
"Empress of China," "Empress of Japan,"
NIPPON YUSEN KAISHA "Futami Maru," "Kasuga Maru," "Yawata Maru."

ROYAL MAIL STEAM PACKET COMPANY'S "Tagus," "Trent,"
G. A. J. BURNS' "Adder," "Pointer," "Vulture," "Spaniel,"
CLYDESHIPPING COMPANY'S "Garmoyne," "Baltica," "Skerryvore"
"Toward,"
YACHTS AND STEAM YACHTS. "Britannia," "Giralda," "Maria,"
"Catania," "Rona," "Rosabelle," "Gunilda," "Shomara,"
"Margarita," "Callala," "Gouldfer," "Shoolah," "Golden Eagle."

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For Piston Rods, Valve Spindles, Pump Rods, Etc.

Some of the largest and fastest War and Mercantile Ships fitted.
Fitted into Main Rods of over 100 of H.M. Ships of the latest type.

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Works—Hillgate, Gateshead. Telegraphic Address—"Combination, Newcastle-on-Tyne"

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Merchants

and Tailors.

COR. ST. JOHN & NOTRE DAME STS.,
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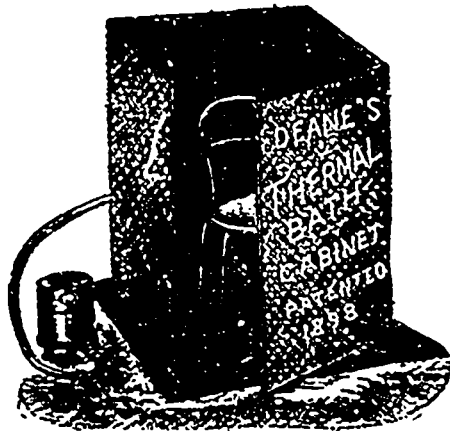
W. T. GLOVER & CO.,

LIMITED,

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DEANE'S PORTABLE (COMBINATION) TURKISH DRY AIR AND RUSSIAN VAPOUR BATH CABINETS.

THE ONLY CABINET ADOPTED BY THE BRITISH MEDICAL PROFESSION.



SQUARE SHAPE.
(Bath Cabinet open, showing door and Safety Generator.)



BY ROYAL LETTERS PATENT.

A perfect Patent Sanitary Bathing Appliance, self-supported by a Folding Steel or Wooden Frame, covered with specially prepared Antiseptic, Proofed Hygienic Cloth. More convenient in construction than any other Bath on the Market. Can be heated from inside or outside by Law's Generator, and used for Turkish, Russian, Medicated, Perfumed, Mineral, Salt, or Quinine Baths. Its value is attested by all the leading Physicians of Great Britain.

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DEANE & CO.,
Patentees and Manufacturers of Portable Vapour Bath Cabinets,
Hygienic and Labour-Saving Appliances.

Descriptive Booklet Post Free on Application. **AGENTS WANTED IN CANADA**

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HENRY STREET WORKS, SHEFFIELD, ENGLAND,

Silversmiths, Electro-plate Manufacturers, Cutlers, &c.



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METAL GOODS,
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Speciality—Electro-plated Teapots, Tea and Coffee Sets, 6 o'clock Sets.

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Silk Handkerchiefs Printed.
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Bitumen Concrete,
For Streets, Iron Bridges, Viaducts
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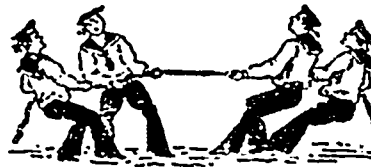
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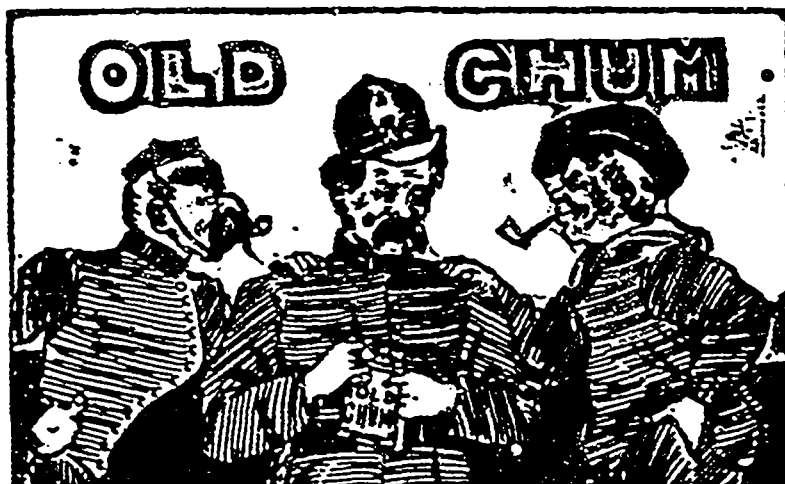
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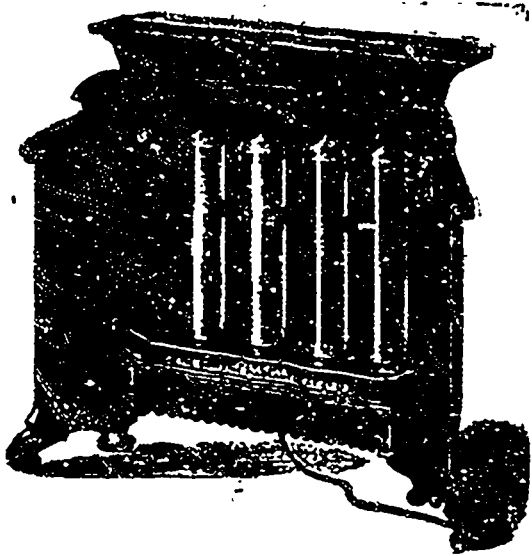
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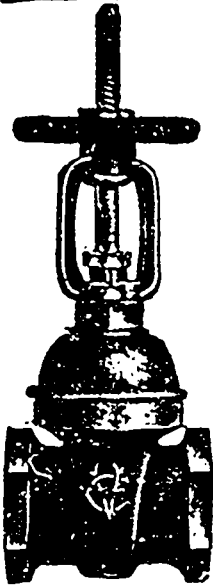
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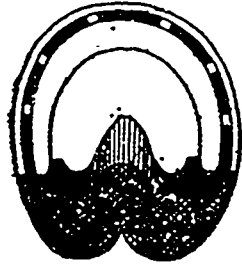


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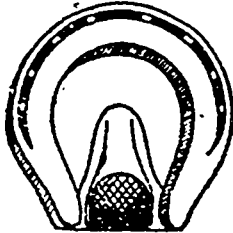
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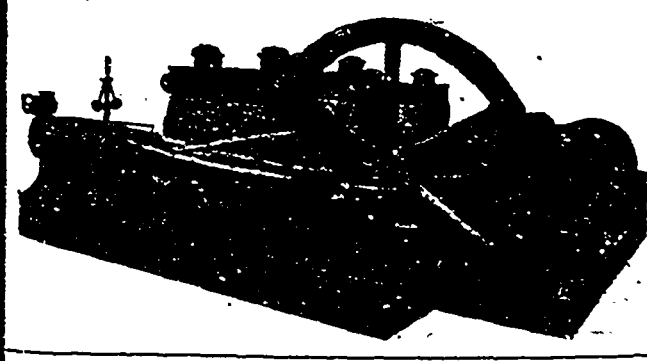
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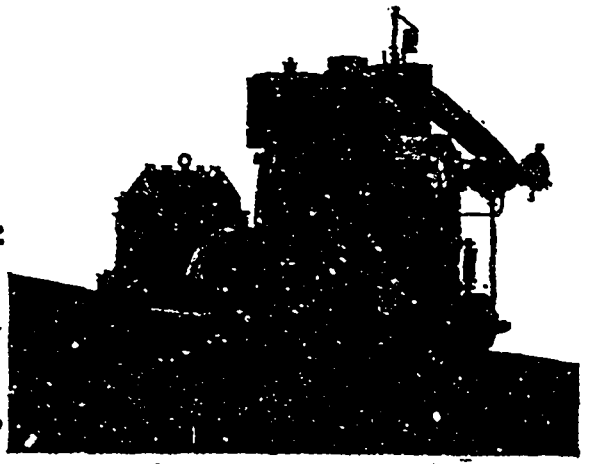
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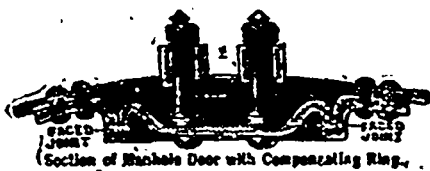
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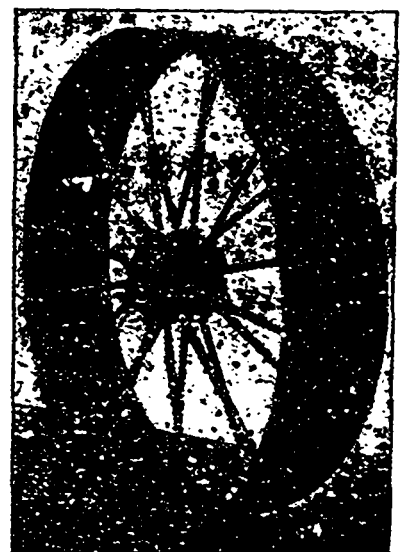
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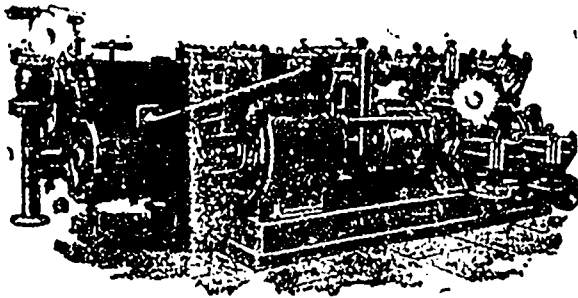
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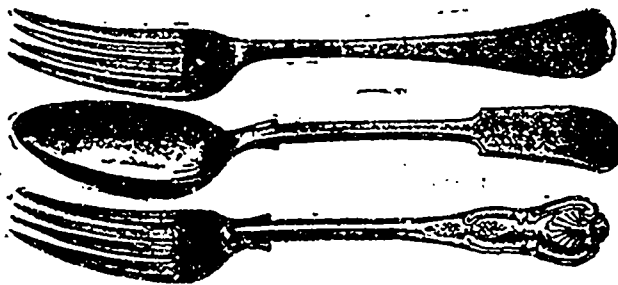
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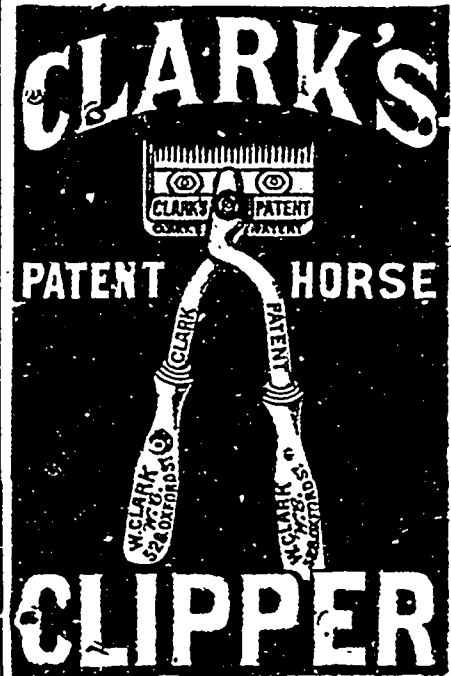
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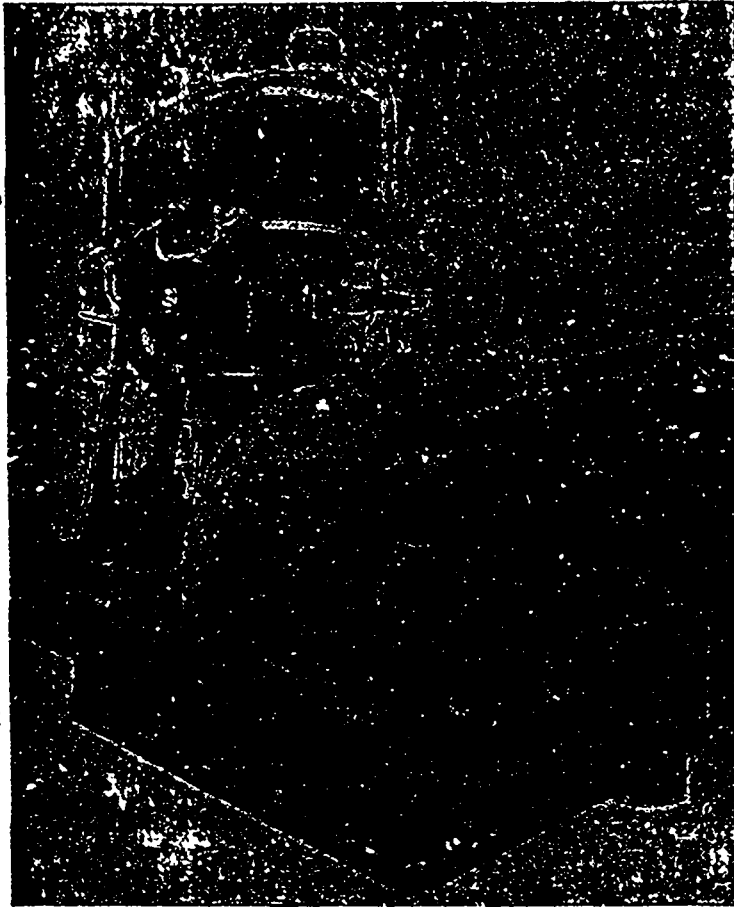
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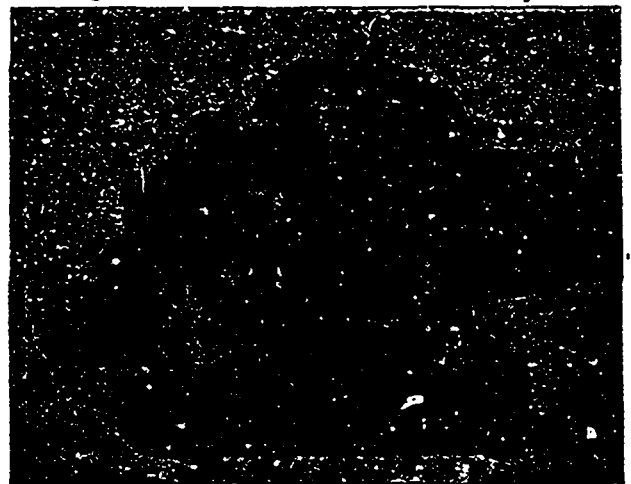
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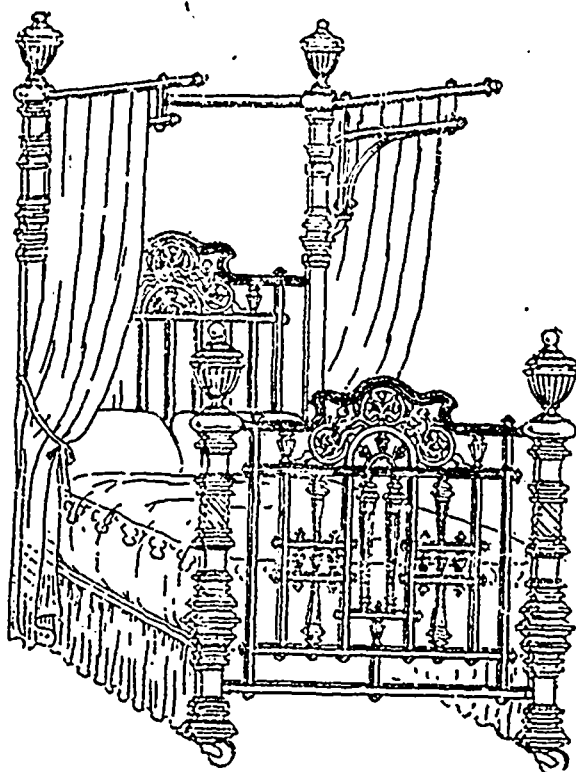
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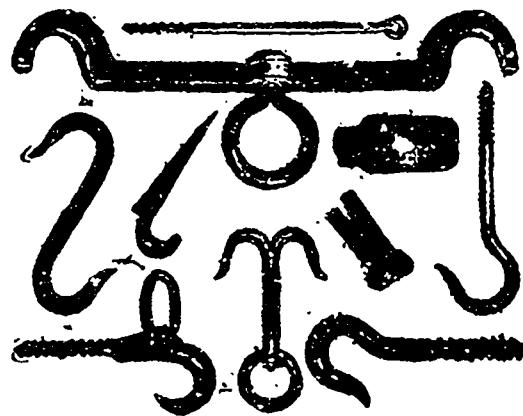
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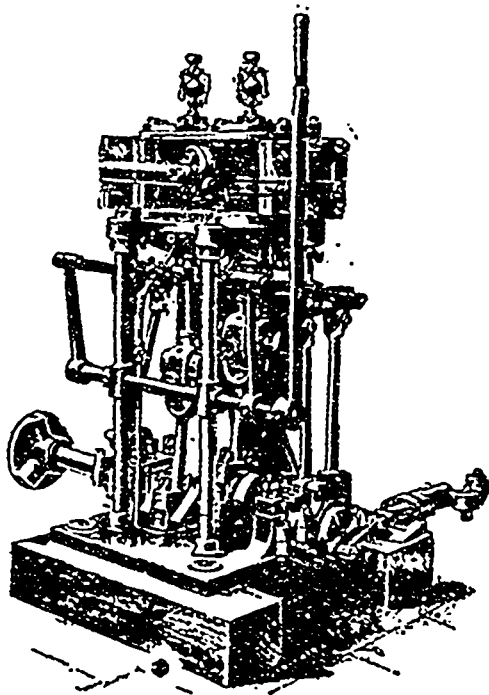
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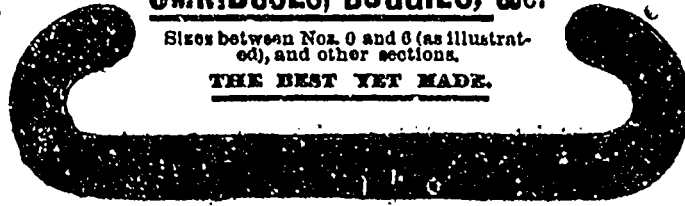
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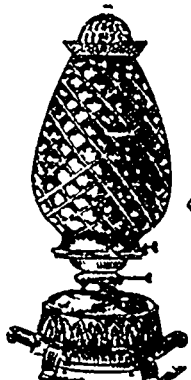
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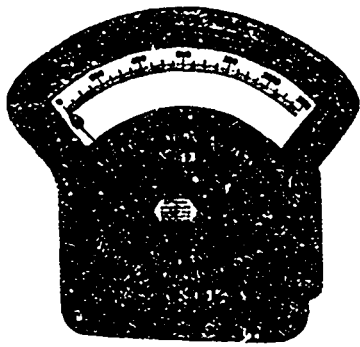
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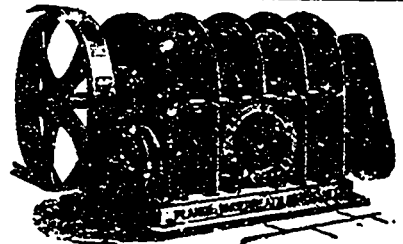
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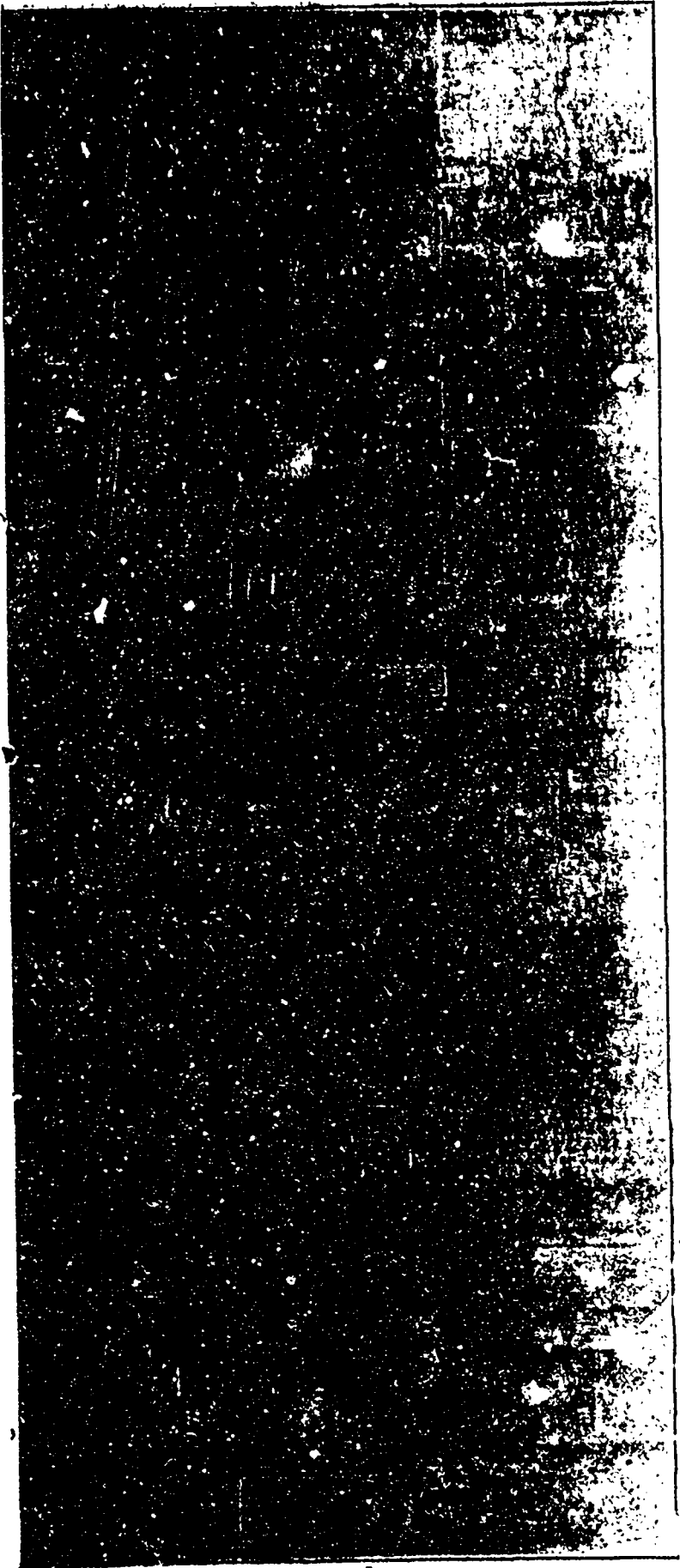
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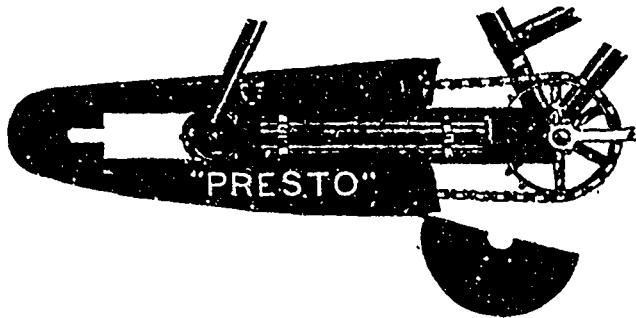
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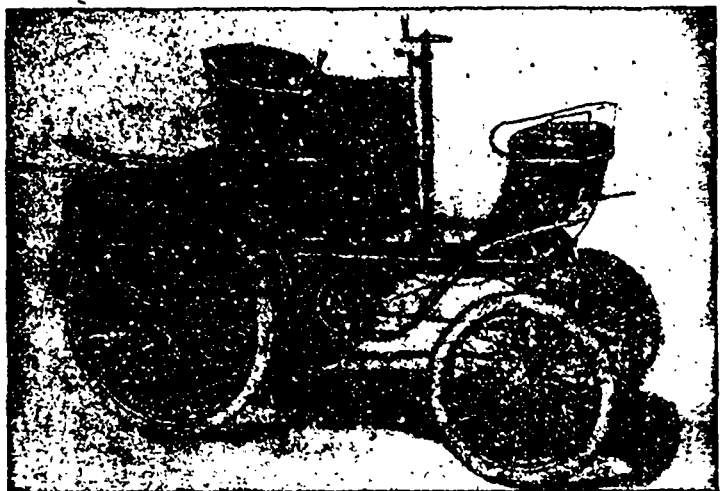
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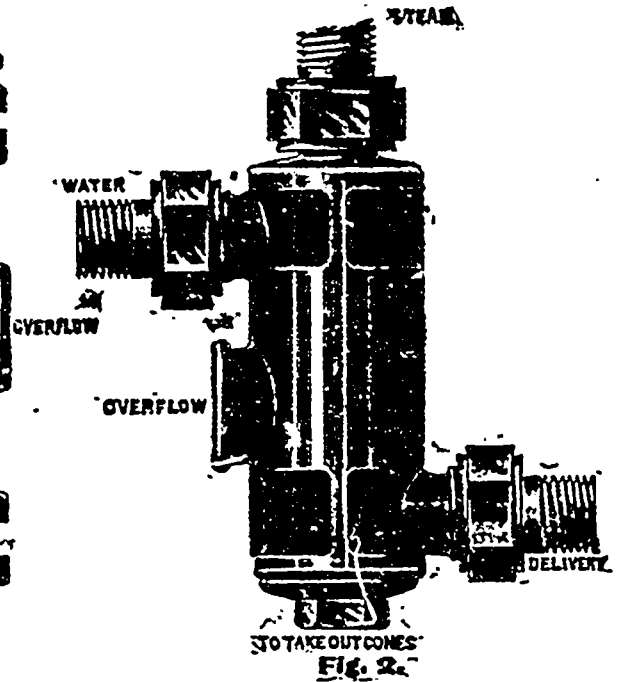
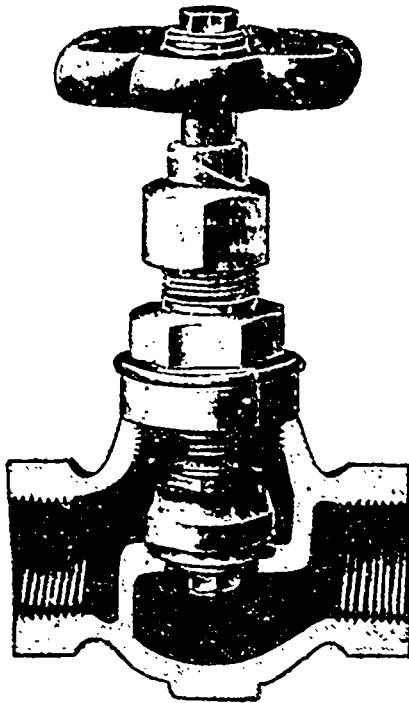
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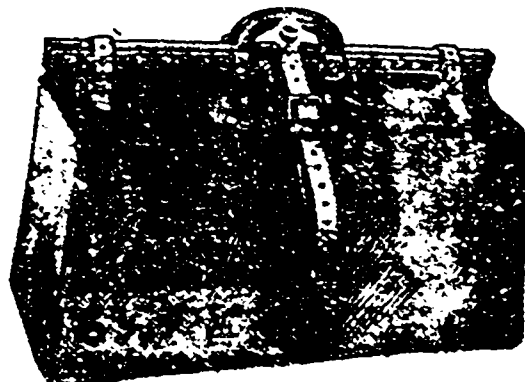
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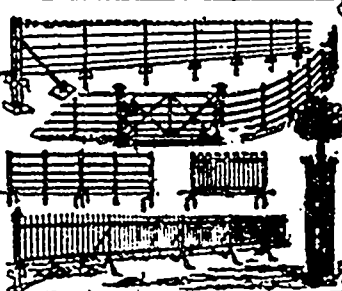


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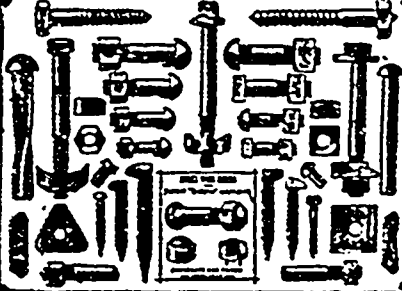
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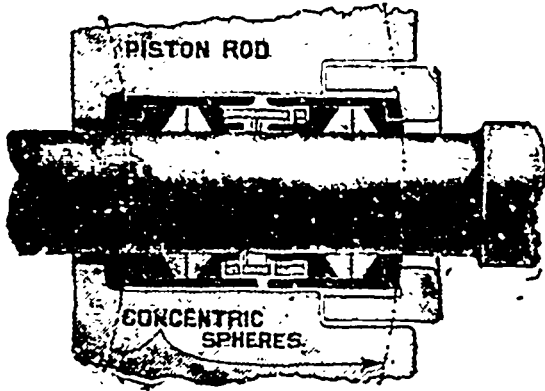
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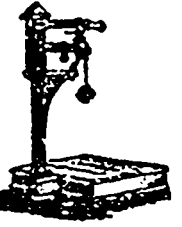
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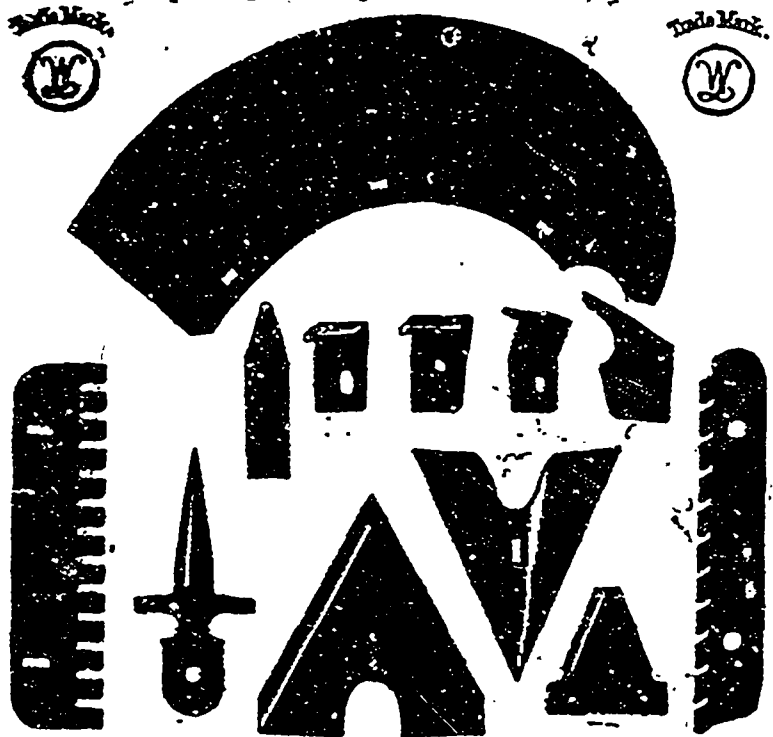
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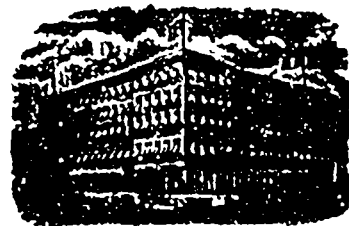
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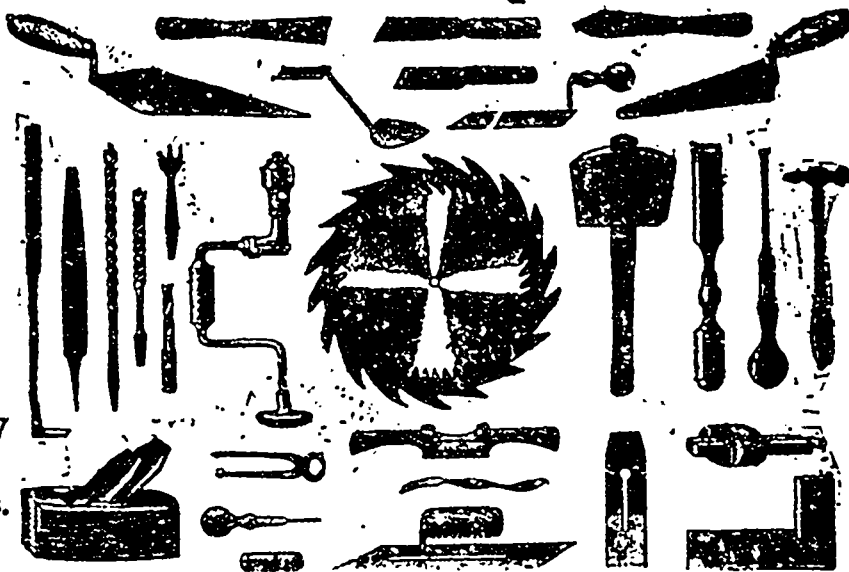
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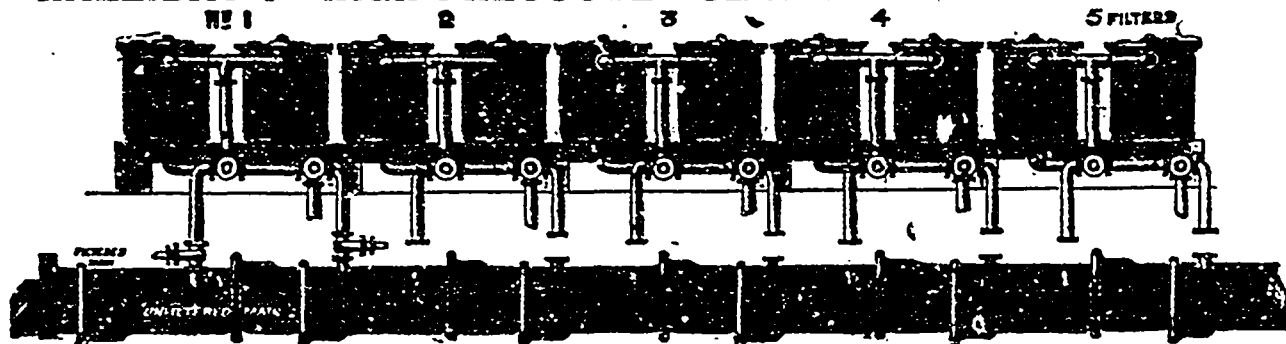


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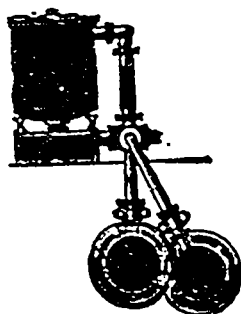
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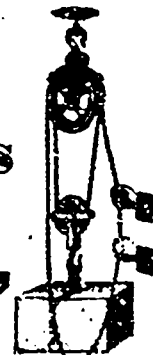
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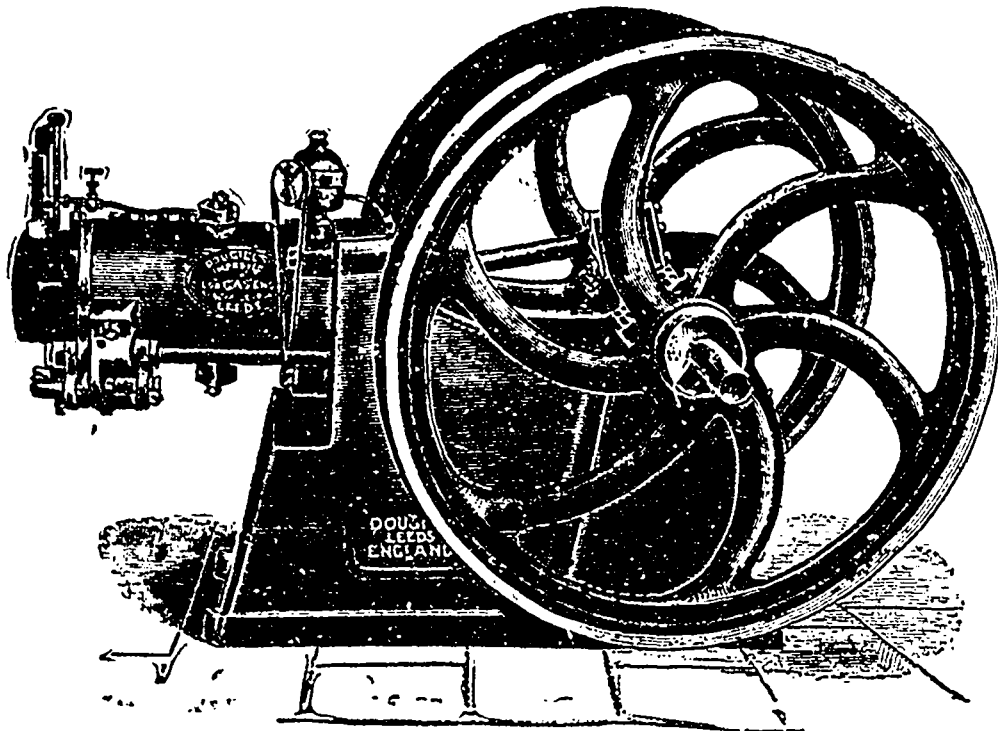
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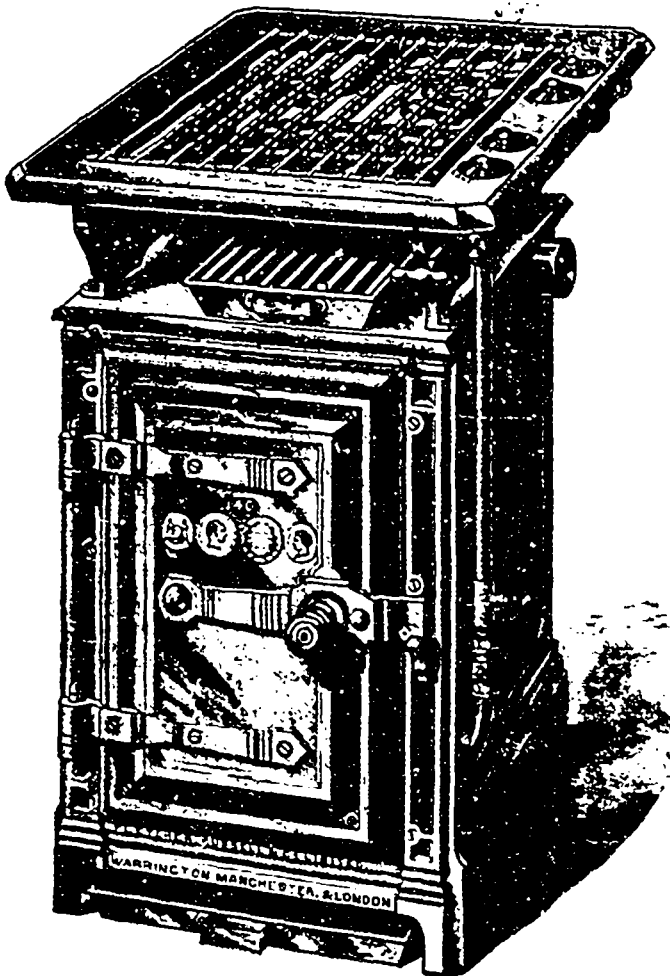
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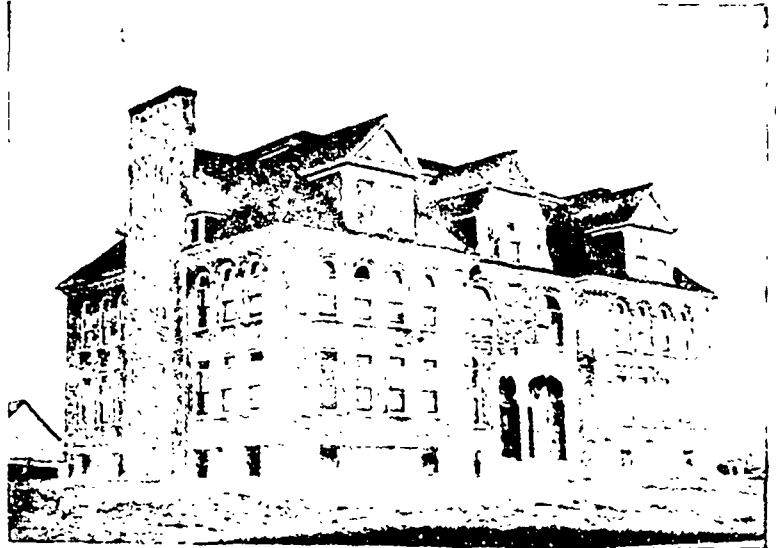
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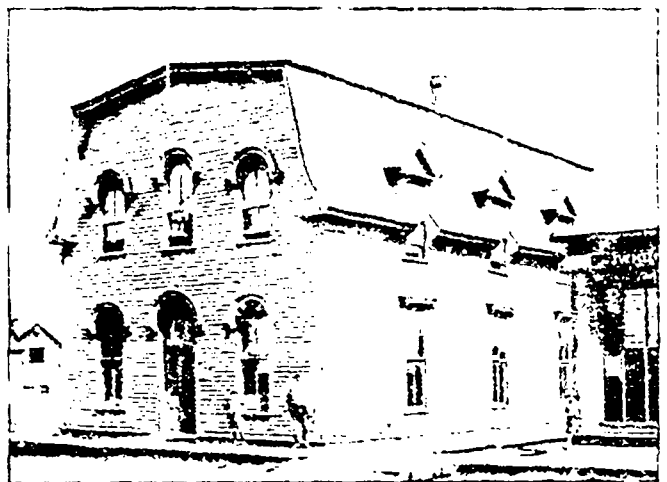
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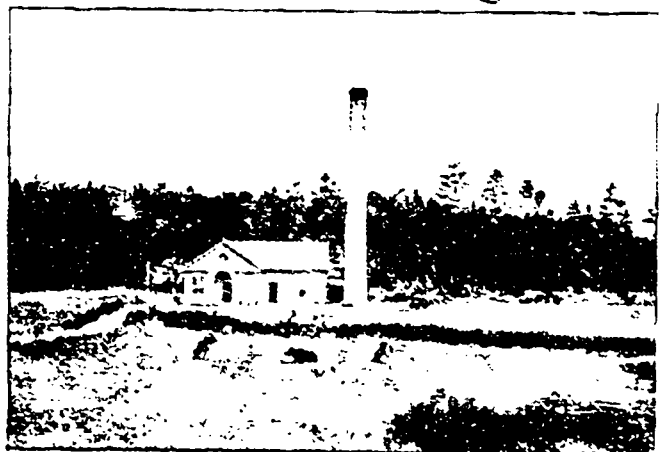
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