

Scientific and Useful.

**CHLORAL IN WHOOPING COUGH.**—Dr. C. H. Smith reports that in two hundred cases treated with chloral, he has in every case noticed a marked alleviation of the symptoms and shortening of the period of the disease. Only one case lasted seven weeks, and the majority of the cases were well in from two to six weeks. No other remedy was given.—*N. Y. Medical Journal.*

**HOMB PUDDING.**—One quart of milk, four eggs, beaten separately; eight tablespoonfuls flour, wet with milk, little salt, four tablespoonfuls baking-powder, one-half cupful sugar. Bake in greased pan 35 minutes. Sauce for home pudding: One-half pint milk, three tablespoonfuls sugar, one tablespoonful butter, one small tablespoonful flour; heat milk boiling hot, and mix sugar, butter, and flour, previously well beaten together, into it. Flavour with vanilla.

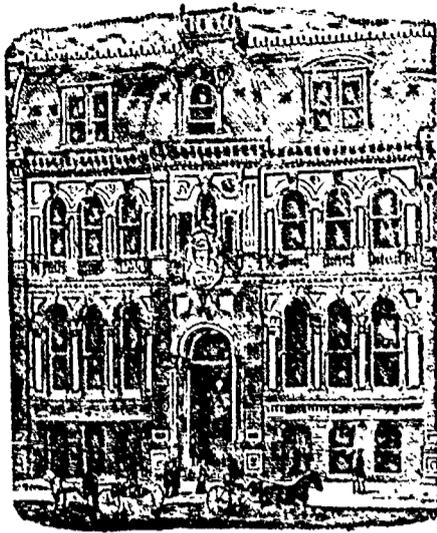
**STAIR CARPETS.**—Stair carpets should always have a slip of paper put under them, at and over the edge of every stair, which is the part where they wear first, in order to lessen the friction of the carpet against the boards beneath. The strips should be within an inch or two as long as the carpet is wide, and about four or five inches in breadth. A piece of old carpet answers better than paper if you have it. This plan will keep a stair carpet in good condition for a much longer time than without it.

**DISINFECTANTS AND DEODORIZERS.**—To fumigate and cleanse the air of an apartment we know of no more simple way than to heat a common iron shovel quite hot, and pour vinegar slowly upon it. The steam arising from this process is pungent, and of adisinfecant character. Open the window at the same time. All chances of infection will be prevented, and effluvia from dead bodies destroyed, by wrapping them in sheets saturated with a solution of carbonate of camphor. An effective and inexpensive deodorizer is obtained by dissolving half a drachm of nitrate of lead in a pint of boiling water, and two drachms of common salt in a pail of water: the two solutions are then mixed and the sediment allowed to settle. A cloth dipped in the liquid and hung up in the apartment is all that is required to purify the most fetid atmosphere. It is recommended for its cheapness, a pound of the materials costing about twenty-five cents.

**SPURIOUS WINES.**—The *Journal de Thann* has the following curious communication with regard to the consumption of "made-up" wines from one of its readers at Cernay, which might be easily matched in this country: "The consumption in Alsace of spurious wines is almost beyond belief. A portion comes from Offenbourg, in Baden, where there are three manufactories one of them alone sending out 3000 measures a week at the price of 18 to 22 teichmarks (18 or 20s.) per 150 litres. These compounds from water, 'Rornsops,' and sugar are greenish-coloured like our genuine Alsatian wines. A decoction of Hungarian hops is added to the above ingredients, and, at the end of a week or so, fermentation sets in, and after undergoing two or three 'finings' the mixture is ready for sale. Though possessing no fruity flavour whatever, this 'wine' is not disagreeable to the palate. After one has drunk, however, a certain quantity, the throat becomes dry, the lips stick together, and very frequently headaches, diarrhoea and general weakness are experienced. If exposed to the air for a few hours, the wine becomes black."

**THE ICE-HOUSE.**—With due respect to the painted and patented contrivances of "fancy farmers," it may be said that ice can be kept for one or more years in a cheap board shed, strong and tight enough to keep out the rain and keep in the sawdust. A large body of ice keeps better than a small body. If you put in less than twenty tons, expect to fall short before the summer is over. This amount of ice will measure 800 cubic feet. In calculating the size of the house, allow about forty cubic feet for each ton. The sawdust about the ice should be at least eighteen inches thick. Unless some local cause raises the temperature about the ice-house, double walls are not necessary. It is a great advantage to have it well shaded. In packing, be sure that the cakes are sawed square. First, throw in broken stone on the bottom to the depth of eight or more inches, and then cover well with sawdust. Build up the ice compactly, leaving a space of eighteen inches all around to be filled with sawdust. In the Spring examine the ice carefully to see that there are no air-holes. This is done by tramping the sawdust and putting in more. If straw is used, fully two feet should be left about the ice. Have no part of the ice-house under ground. No ventilation is required, except at the top, over the ice.

THE  
English & Scottish Investment Co.  
OF CANADA (LIMITED).  
Capital £500,000 Stg. Head Office, Edinburgh.



Offices:—The Queen City Insurance Co' Buildings,  
24 Church Street, Toronto.

The transaction of the Company's business in Canada is entrusted to an Advising Board and a General Manager. The Board consists of  
The Hon. THOS. N. GIBBS, M.P., Chairman.  
WM. H. HOWLAND, Esq. (W. P. Howland & Co.)  
FRED'K WYLD, Esq., (Wyld & Darling Bros.)  
General Manager. - Hon. JAS. PATTON, Q.C.

Bankers { THE UNION BANK OF SCOTLAND.  
THE HALIFAX & HUDDERSFIELD  
UNION BANKING CO.  
THE STANDARD BANK OF CANADA.

Solicitors - Messrs. EWART & DAVIDSON

The Company Loan on Improved Farms, and Productive Property in Cities and Towns, and in a few Incorporated Villages; also on Church property.

Loans are for periods of Five, Six and Seven Years, (renewable, at trifling expense, when interest paid punctually), with privileges as to payment of interest half-yearly or yearly, and the principal either at the end of the term or by yearly instalments, or in sums of \$200 and upwards, in even hundreds, or on giving notice to pay off the whole at any time—the rate of interest ranging from 8 to 8½ and 9 per cent., according to the privileges granted, and as required by other Companies affording similar facilities.

Borrowers have the option of selecting any one of the five following modes of payment, viz.:

- A.) Loans for 5 years at 8 per cent.
  - (1) Interest payable half-yearly on 1st June and December. After 3 years, payment of principal on any 1st December, on 6 months notice.
- B.) Loans for 6 years at 8½ per cent.
  - (2) Interest half-yearly on 1st June and December. After 3 years, Principal on any 1st June and December, on 3 months' notice; or
  - (3) Interest half-yearly as above, or yearly on 1st December, and Principal by 6 annual instalments.
- C.) Loans for 7 years at 9 per cent.
  - (4) Interest half-yearly as above, or yearly on 1st December. After 3 years, principal payable at any time, or in sums of \$200 and upwards in even hundreds, on one month's notice; or
  - Interest half-yearly as above, or yearly on 1st December, with Principal in 7 annual instalments, and privilege of paying off the whole, on any 1st December, on 1 month's notice.

The Company purchase first-class Mortgages, provided they afford the proper margin of security; also Government, Municipal, and other Debentures. The Legal Charges and Valuation Fees are in accordance with a fixed and reasonable Tariff.

PROFESSOR VERNOY'S  
ELECTRO-THERAPEUTIC

Institution, at 197 Jarvis Street, Toronto, has the latest scientific mode of applying Electricity with newly invented appliances for the radical cure of nervous diseases.

Sexual and Spinal Weakness, Chronic and various Diseases not cured by other treatment or by other Electricians receive our special attention. Over ten years' experience according to this new system has enabled us to make very important improvements most favourable to patients. The best of city and country references given.

Dr. L. Oliver is one of the Consulting Physicians of ability and experience. Consultation free. Office hours from eight a.m. to nine p.m.



BALDNESS.

Neither gasoline, vasoline, Carboline, or Allen's, Ayer's, or Hall's hair restorers have produced luxuriant hair on bald heads. That great discovery is due to Mr. Wintercorbyn, 244 King St. West, Toronto, as can be testified by hundreds of living witnesses in this city and the Province. He challenges all the so-called restorers to produce a like result.

The Restorative is put up in bottles at \$1 per bottle, or six for \$5. For further information address CHARLES MAITLAND WINTERCORBYN 244 King Street West, Toronto.

REDUCED FOR 1880!

A Valuable Premium given away to every Subscriber to the Great Family Newspaper of the West,

WESTERN ADVERTISER  
& WEEKLY LIBERAL  
For 1880.

Balance of 1879 FREE to new Subscribers.

SPLENDID PRIZES TO AGENTS.  
BEST EVER OFFERED IN CANADA.

THE WESTERN ADVERTISER AND WEEKLY LIBERAL is an eight-page newspaper of the largest class, printed on good strong paper, and got up in first-class shape. Its special features are a specially edited Teachers' Department; Farmers' Page, edited by Rev. W. F. Clarke, the best known and ablest agricultural writer in Canada; Veterinary Department, by Prof. Wilson, V.S., London, Ont.; Ladies' Department, specially edited; Music, Pictures, etc.; Original Humorous Sketches, Temperance Record, etc. In news, markets, editorial writing and reporting, the ADVERTISER is second to none.

TERMS FOR 1880—\$1.50 PER ANNUM; with copy of our Premium ANNUAL, free to every subscriber for 1880. *AT* Balance of 1879 free to new subscribers.

AGENTS WANTED.—We offer exceptionally liberal terms this season. Write for particulars. Free samples and "agent's package" by return mail. Address all communications to

JOHN CAMERON & CO.,  
ADVERTISER OFFICE,  
London, Ont

CHEAP FARMS FOR SALE.

2,100,000 Acres of Land

for sale, in the best Wheat growing country in the world, along the line of the

Atcheson, Topeka  
AND  
Santa Fe Railroad.

Prices from \$2 to \$10 per Acre,

ON  
Eleven, Six, and Two Years Credit,

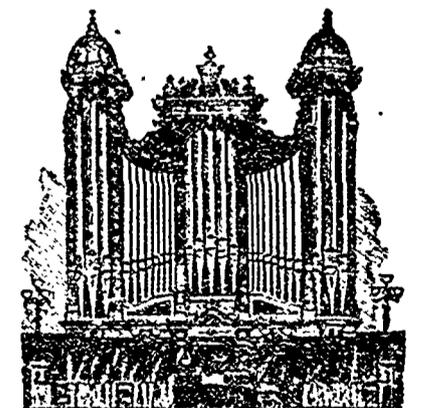
AND  
88½ per Cent. Discount for Cash.

Stop wrestling with stumps and stones for a miserable support! Go to the ARKANSAS VALLEY and buy a farm, at the cheap rates and on the easy terms offered by the A., T. & S. P. R. R. Co., and in a few years at farthest, with the same effort and economy employed in Canada, you may possess the title to a royal farm, in fee simple, with every home comfort, and an enviable independence with money to left. For Circulars, Maps of Kansas, full information as to tickets and freight rates, apply to

BELFORDS, CLARKE & CO.,  
General Agents for Ontario,  
60 YORK ST -TORONTO.

S. R. WARREN & SON,  
CHURCH  
ORGAN BUILDERS,  
(LATE OF MONTREAL)

Builders of the Organs in St. Andrew's and the Erskine Churches, Montreal; St. Andrew's (new and old), Toronto, The "Metropolitan" and St. James' Cathedral, Toronto, and all the largest Instruments in the Dominion.



Their premises are the most complete and extensive to be found on this Continent, and having abundant facilities as well as an experience extending over forty years, they are in a position to warrant the highest attainable standard of excellence, and can offer the lowest range of prices and most favourable terms.

Churches requiring Organs are respectfully requested to correspond with us.

FACTORY AND WAREHOUSES,  
Corner Ontario and Wellesley Streets,  
TORONTO, ONT.



NOW PUBLISHED,  
THE  
CONSTITUTION and PROCEDURE  
OF THE  
Presbyterian Church  
IN  
CANADA.

Published under the Authority of the  
General Assembly.

This is the first "Book of Forms and Procedure" that has been compiled since the Union, and is the only authorized

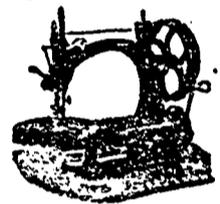
BOOK OF REFERENCE

FOR THE  
USE OF MINISTERS AND ELDERS  
of the Presbyterian Church in Canada.

Price, Paper Covers, - - - 35 cents.  
" Cloth, - - - 50 "  
" French Morocco, - 75 "

HART & RAWLINSON,  
-PUBLISHERS,  
5 KING ST. WEST,  
TORONTO.

THE GUELPH  
Sewing Machine Co.,



Manufacturers of the celebrated  
OSBORN "A" SEWING MACHINE  
got up in any style desired.

PHILADELPHIA LAWN MOWERS  
very superior articles.

SMOOTHING OR SADIrons  
of the most approved principle.

THE DOVER EGG BEATER,  
a very useful article in every house.

W. WILKIE, MANUFACTURER,  
Guelph, Canada.

**ELECTRICITY.**—The great success which has attended the sale and use of Edison's Electric Absorbent Belts is due principally to the highly beneficial properties they possess for restoring health, namely: Electricity, Galvanism and Absorption, the three greatest agents of modern times for curing disease without the aid of medicine. Their use has been attended with great success, more particularly in the following diseases: Indigestion, Liver Complaint, Nervousness, Neuralgia, Sick Headache, Rheumatism, Fits, Bilious Fevers, and many other diseases arising from a sluggish state of the stomach and liver. A pamphlet containing numerous testimonials, also a full description of the action of the Belts can be obtained at any drug store, or will be sent free on application. There are three sizes manufactured, and are sold at \$1.50, \$1.75 and \$2 each. Parties wishing to purchase can obtain them of their druggist, or they will be postpaid on receipt of price, by applying to the agents for the Canadas, G. C. BRIGGS & SONS, Hamilton, Ont.

TO MINISTERS.  
Marriage Certificates

NEATLY PRINTED ON

FINE PAPER, IN BLUE, GOLD & CARMIN

Mailed to any address, postage prepaid, at 50 cents PER DOZEN; OR TWENTY-FIVE for \$1.00.

MARRIAGE REGISTERS,  
25 CENTS.

BAPTISMAL REGISTERS,  
75 CENTS.

COMMUNION ROLLS,  
ETC., ETC., ETC.

C ELACKETT ROBINSON,  
5 Jordan St., Toronto.