

# THE CARLETON-PLACE HERALD.

CARLETON-PLACE, CANADA WEST, DECEMBER 1, 1855.

No. 11.

Vol VI.

## Business Cards, &c.

The Carleton-Place Herald, PUBLISHED every THURSDAY, at Carleton-Place, by JAMES POOLE, EDITOR and PROPRIETOR. To whom all communications, remittances, &c., should be addressed, post-paid. TERMS: \$1 per annum, if paid at the time of subscribing; \$14 if paid within six months; \$24 if not paid till after the expiration of six months. No paper discontinued (unless at the option of the publisher) until all arrears of subscription are paid.

RATES OF ADVERTISING.—Six lines a week, 25¢; first insertion, 10¢; for each subsequent insertion: ten lines or under, 35¢ for the first insertion, and 10¢ for each subsequent insertion; above ten lines, 40¢ per line for the first insertion, and 10¢ for every subsequent insertion. Advertisements without written directions will be inserted until forbidden, and charged accordingly. Advertisements should be handed in not later than Tuesday evening. No postage. The new bill forbidding the postage on newspapers took effect on the first of July. Our subscribers will now receive the Carleton-Place Herald for ONE DOLLAR a year in advance, FREE OF POSTAGE.

We still continue to send a copy of the Herald, for one year free to any person sending the names of five new subscribers, with the money (\$5) in advance. JAMES ROSAMOND, MANUFACTURER OF WOOLEN CLOTHS, HOSIERY, Tweeds, Blankets, &c., &c., &c. Carleton-Place, C. W. Orders punctually attended to.

JAMES POOLE, COMMISSIONER FOR TAKING AFFIDAVITS in the Queen's Bench, and for the United Counties of Lanark and Bedford. Deeds, Mortgages, Memorials, &c., drawn, with affidavits, complete. THOMAS W. POOLE, Physician, Surgeon, &c., &c. Ref. M. D., Superintendent of the Provincial Lunatic Asylum; S. J. Stratford, M. B. C. S. England; Editor of the U. C. Medical Journal.

R. E. LYON, AUCTIONEER, COMMISSION MERCHANT, GENERAL AGENT, &c., &c., &c. DONALD FRASER, BARRISTER & ATTORNEY AT LAW, SOLICITOR IN CHANCERY, CONVEYANCER, NOTARY PUBLIC. F. H. C. W. PROVINCIAL INSURANCE COMPANY, TORONTO. CAPITAL.....\$500,000. APPLICATIONS for Insurance and notice of losses promptly attended to, by JAMES ROSAMOND, Agent at Carleton-Place.

ALEXANDER LEISHMAN, AUCTIONEER, BENNIE'S CORNERS RAMSAY. P. HENDERSON, M. D., Graduate of the University of McGill College, and Licentiate of the College of Physicians & Surgeons, &c., &c. RESIDENCE—At Mr. JOHN CANNON'S, 8th Line, Ramsay, Aug. 1855.

MARRIAGE LICENSES, ISSUED by the Subscribing, MATHEW ANDERSON, Waterford, Ramsay. ST. LAWRENCE COUNTY MUTUAL INSURANCE COMPANY, APPLICATIONS for Insurance and notice of losses, &c., &c., promptly attended to, by JAMES WALLACE, Agent, Ramsay, Nov. 6th, 1854.

JOSEPH M. O. CROMWELL, PROVINCIAL LAND SURVEYOR & DRAUGHTSMAN, Perth, C. W. RESIDENCE—Mrs. McCullum's Hotel. Surveys of every possible description, made with great accuracy, and plans neatly and accurately drawn, upon the most moderate terms. All parties requiring surveys made whether in the vicinity of Perth or elsewhere, are respectfully requested to write through the Post office, giving minute particulars of the work to be done.

J. DEACON, JR., BARRISTER AND ATTORNEY AT LAW, CONVEYANCER, &c., Perth, County of Lanark. REFERENCES: Messrs. Gillespie, Moffatt & Co. Montreal William Lyman & Co., Feb. 1854.

MARRIAGE LICENSES, ISSUED by the Subscribing, JAMES BELL, Perth, January 1st, 1855. COMMERCIAL HOTEL AND STAGE HOUSE, M. NORTHRUP, (LATE J. S. GILMAN.) FRESQUITO, C. W. Express taken twice from the Boston and cars free of charge.

HATS AND BONNETS! Newest Spring Fashions! DIRECT FROM NEW-YORK! Will be sold very cheap. H. W. REA, Waterford, May 14th, 1855. 34.

Wanted BY THE SUBSCRIBERS—100 bush. WHEAT, 500 " OATS, 1000 " PEASE, 500 " BARLEY, 100 Kegs good BUTTER, for which the highest prices will be paid. CAMPBELL & MORFAY, Carleton-Place, Nov. 20th, 1855. 32

## REFLECTIONS.

'Tis sad fond love to sever, and far away to roam, But woe 'tis never, know, the joys of home. 'Tis sad to leave our native land, 'e'en for some sunny shore, by some divine command, We may return no more. 'Tis sad to see our friends depart, with hopes of their return; But, oh! the grief that fills the heart, when o'er their graves we mourn, 'Tis sweet to greet a friendly love, though long and widely parted. When every glance and every smile can prove that they return true-hearted. But oh! how sweet! how pure the joy! for those whose hearts have risen, when leaving earth, they soar on high, and meet again in Heaven. M. L. Montreal, Pleasant, Nov. 1855.

## TREASURES.

Treasures of gold and precious stones, But woe 'tis never, know, the joys of home. But the choicest of treasures for earth's erring ones, Is Jesus the glorious Morning Star. Honor and power and worldly renown, The fame and the triumph of gl'ring war, The high-born prince with his royal crown, Are but specks in the light of the Morning Star. Riches of ocean and riches of earth, Wealth of affection, the purest that are, How dim is their radiance, how little their worth, Compared with the light of the Morning Star. Ho! mortals, why seek on a hill of sand, For treasures that fade with the glance of your eyes? While our riches, so invitingly stands, Displaying the riches laid up in the skies. M. L.

## POPULAR CHEMISTRY.

Why does a compensation balance prevent the effects of expansion or contraction? Because it consists of interrupted concentric rings of different metals, joined together, so that the expansion of one contracts the expansion of the other. Why do the iron hoops of a brewer's cask bind with such great force? Because those which are at first made too small to fit, are heated until they are sufficiently enlarged they are then driven on, and suddenly cooled, by throwing water upon them; the contraction of the iron which causes one hoop to press the next, and the vessels in closer contact than they could easily be brought by other means, and fixes the hoops firmly round them.

Why does a dry, stacked silver damp, corrode? Because the moisture elevates the temperature sufficiently to produce putrefaction, and the ensuing chemical action causes sufficient heat to continue the process; the quantity of matter being also great, the heat is proportional. Why are concave mirrors employed as burning-glasses? Because they collect the heat of the sun's rays from the whole of its surface to a single point, thus accumulating a very great degree of heat, for the combustion and fusion of various natural substances, that are fusible in the greatest heat capable of being produced from ordinary fire. By this means, Dr. Harris and Deane melted a silver spongio in seven seconds and a half; a copper halfpenny melted in sixteen seconds; and a diamond weighing four grains, laid seven-eighths of its weight. Built also, with the faint rays of the sun in the month of March, set on fire boards of beech-wood at a hundred and fifty feet distance.

Why are not inflammable and "combustion" synonymous terms? Because all metals are combustible—that is, capable of uniting with oxygen; but they will not burn in atmospheric air, and are therefore not called inflammable. Why does the thermometer enable us to ascertain degrees of heat? Because the fluid ascends in the tube on being expanded by heat, and thus marks the degree. Why is mercury preferred in thermometers? Because the range of temperature between freezing and boiling points is very considerable, and its expansion within that range, tolerably equal.—Brande.

Why have thermometers freezing and boiling points? Because they denote the points in the tube at which the mercurial column stands when cooled to the freezing, and heated to the boiling, of water. For this purpose, the instrument is immersed in melting ice or snow, and permitted to remain there for some time, until the quicksilver becomes stationary at one place, which is the freezing point; a mark is made on that point upon the glass. If the instrument remains for some time in boiling water, the mercury after having ascended through a large proportion of the tube, becomes stationary at one place, which is the boiling point. It is believed that Fahrenheit took his zero, or commencement of his scale from the degree of cold produced by mixing snow and common salt, that being the greatest degree of cold known in his time; although a considerably greater degree of cold may be produced by mixing the same or other ingredients.

Why does Reaumur's thermometer differ from Fahrenheit's? Because Reaumur divides the space between the boiling and freezing points into 80 degrees, placing zero at the boiling point, and the 80th degree at the freezing point. Fahrenheit divides the same space

into 180 degrees; but the cipher (0) is placed below the freezing point, so that the point is at 32° and the boiling point at 212°.

Why is the air warm in misty or rainy weather? Because of the liberation of the latent heat from the precipitated vapour.

Why is heated air thinner or lighter than cold air? Because it is a property of heat to expand all bodies, or rather, we should say, that we call air hot or cold accordingly as it naturally is more or less expanded.

Why is a tremulous motion observable over chimneys-pots and slated roofs which have been heated by the sun? Because the warm air rises, and its receding power being less than that of the colder air, the contrast is rendered visible by the distortion of objects viewed through them.

Why are the glass chandeliers in our theatres placed under a large funnel? Because the funnel, by passing through the roof into the outer air, carries off the heat and smoke passing out with a large proportion of the air of the house.

Why is it atmospheric of theatres and other crowded places prejudicial to health? Because it has been found, that in a theatre, from the commencement to the end of the play, oxygen or vital air is diminished in the proportion of 21 or 27, or nearly one-fourth, and is in the same proportion less its respiration than before.

Why are persons enabled to remain in a hot oven, where meat is baking? Because the heat of the air, its ducting power, and its small specific heat, which explains why a poor, meek, plainly clad seamstress, deprived from her threadmill round, can remain in a hot oven, where meat is baking.

Why are persons or spungy substances, feathery, fleecy matter, &c., so good for heat? Because, in measure of the quantity which they have in their pores, they are, probably, the best conductors of heat, in that respect, in the world.

Why are diamonds and other gemstones so good for heat? Because they are so good for heat, in that respect, in the world.

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