

## Educational.

We have determined to open an "Educational Column," which will be conducted by a corps of trained educationalists. All questions pertaining to school law, history, grammar, mathematics, or general educational matters will be replied to. Every teacher in Huron should send questions to THE SIGNAL, if it is only to secure the reading of this department. We shall from time to time publish the papers submitted at the various examinations occurring in this county.

## EXAMINATION PAPERS.

The following papers were submitted at the close of the first session of the County of Huron Model Schools:

- SCHOOL LAW.**  
Time—1 hour 30 minutes.
1. (a) What is necessary to constitute a public school teacher? (b) How may he forfeit his position in school? (c) Under what circumstances may his certificate be cancelled?
  2. (a) At what time in the morning must the teacher be in his school? (b) Who are exempted from attending the opening exercises, and under what conditions? (c) What are the regulations for using the Bible in school and giving religious instruction?
  3. (a) Give the extent of the vacations and the number of regular holidays. (b) Under what conditions can the teacher claim his salary for these as well as some other time he may lose from teaching?
  4. (a) By whose authority and for what offences may a pupil be suspended? (b) Expelled? (c) Sent to a Reformatory?
  5. In a school containing more than one teacher, what are their duties relating to each other? (b) To the pupils?
  6. (a) Give a detailed statement of the teacher's duties in overseeing all school property. (b) Rendering school reports and keeping registers.
  7. Describe in general terms the nature of the discipline to be practiced in school.
  8. What are the duties of pupils to their teachers with regard to leaving school before closing? being late? bringing exercises?
  9. What authority has the teacher over his pupils as they are going to school and returning from it? In detaining them after regular hours?
  10. What is the law with regard to compelling children to attend school? Under what conditions may non-residents attend school?

## HYGIENE.

- Time—1 hour 10 min.
1. Express an opinion with reasons as to the advisability of making this a prominent branch of study in school. In what class would you commence, and of what particular parts of the subject would you treat?
  2. Describe fully the circulatory organs and explain fully the functions of each. Trace the course of the blood throughout the system.
  3. State your opinion on the benefits to be derived from (a) cleanliness, (b) temperance, (c) light, (d) physical exercise, (e) ventilation.
  4. How would you procure cleanliness and physical exercise on the part of your pupils, and give general rules for ventilating, lighting and properly seating a school room.
  5. State fully the injurious effects of (a) indigestion, (b) indigestion, (c) indigestion, (d) indigestion, (e) indigestion.
  6. (a) How would you test the presence of carbonic acid gas? (b) How would you treat a person supposed to be drowned? (c) One of your pupils cuts his foot severely, how would you stop the flow of blood?

## MENTAL ARITHMETIC.

- Time—1 hour 30 min.
1. How many times 13 are 11 times 4 3-22?
  2. John's coat cost \$16, and  $\frac{3}{4}$  of the cost of the coat is  $\frac{1}{3}$  of the cost of his watch. Find cost of watch.
  3.  $\frac{3}{4}$  of A's money is 3 times B's money, and B has \$8. How much has A?
  4. A, B and C are employed to dig a ditch;  $\frac{1}{2}$  of A's work equals  $\frac{1}{3}$  of B's; and  $\frac{1}{3}$  of B's work equals  $\frac{1}{4}$  of C's. How many rods is dug by A and B respectively, if C digs 81 rods?
  5. A farmer being asked the average yield of his wheat per acre, said that 16 $\frac{1}{2}$  bush was 11-12 of 9-13 of the yield per acre. Find yield per acre.
  6. If  $\frac{1}{2}$  of 5 yards cost \$7.50, what will  $\frac{3}{4}$  of 11 yards cost?
  7. From Sarnia to Wyoming is 18 miles, and  $\frac{3}{4}$  of distance from Sarnia to Mandamun is 3 times  $\frac{1}{2}$  the distance from Mandamun to Wyoming. Find distance from Sarnia to Mandamun and from Mandamun to Wyoming.
  8. I wish to buy a certain number of cows, and find if I give \$30 a head I will have \$20 left, but if I give \$35 a head I will lack \$40 of having enough to pay for them. How many did I wish to buy?
  9. A boy bought a certain number of oranges at 3 for 5c, and as many more at 5 for 8c, and sold them again at 2c each. How many oranges did he buy if he gained 22c?
  10. Find the S. Interest on \$1700 at 5 $\frac{1}{2}$ % per annum, for 1 year 3 mos.
  11. A jeweller by selling a watch for \$32 lost 20% of the cost. What was the cost of the watch?
  12. How much must a man ask for a horse costing \$120 that he may lower asking price 20%, and still make 20% of cost?
  13. At the end of 3 years 6 mos. at 8% per annum, a man received \$91 of interest. How much had he on interest?
  14. What Principal will in 6 years 8 mos. at 6 $\frac{1}{2}$ % per annum, make an amount of \$425?
  15. Find the sq. root of 8 time (455 + 545 - 370 + 280 - 160 - 946 - 82).

## EDUCATION.

- Time—1 hour 30 min.
1. Explain the difference between Education and Instruction. Which branch of education is the most important? Give reasons.
  2. Enumerate the chief objects to be attained in school organization.
  3. Upon what means would you chiefly depend in causing your pupils to attend school promptly and regularly and to take an interest in their studies.
  4. (a) Distinguish between intellectual and mechanical teaching. (b) Illustrate these two methods as applied in teaching proportion.
  5. State the arguments for and against giving prizes.
  6. Give notes of an introductory lesson in (a) Grammatical analysis, (b) Physical geography.

7. By what means may a teacher best promote the moral development of his pupils?

8. (a) What is meant by an Object Lesson? (b) Illustrate how you would teach the following objects: (1) A flower, (2) A bird, (3) A fish, (4) A mineral, (5) A vegetable, (6) A fruit, (7) A stone, (8) A shell, (9) A fossil, (10) A meteorite.

10. Name three methods of teaching beginners to read, and full explain the one which you consider the best.

11. In teaching little children to write, would you begin with concrete or abstract numbers? And why?

12. What is the principal object in learning to spell? Deduce from your answer the best method of teaching it.

## ELOCUTION.

- Time 1 hour 30 min.
1. Which would you adopt with beginners, class teaching or individual teaching? Would you use tablets or books? Why?
  2. What letters would you first introduce and what letters would you avoid for some time? Why?
  3. State as fully as you can, what you specially attend to in teaching reading from the first books.
  4. What method would you adopt to cultivate the ear and acquire facility in executing all the variations of pitch? Why?
  5. Distinguish between inflection and pitch.
  6. State what the qualities of a good voice are, and give the conditions to be observed in order to acquire excellence and power of expression.
  7. Describe the organ of voice, the position of the organs of speech in producing it, and quote a brief passage that should be read in that voice.
  8. Describe force or stress, and the different kinds of force stress.
  9. Distinguish between rhetorical and grammatical pauses.
  10. Quote as many rules as you can for observing rhetorical pauses.
  11. From what two leading principles are the rules for inflection derived?
  12. Give what rules you can, first, for the rising inflection, and second for the falling inflection.
  13. What method would you adopt to train pupils to use inflection properly?
  14. State the principal faults in the rate of speaking or reading. Why are these faults?
  15. What is meant by emphasis of sense?

## Grey.

Geo. Roe, who was so seriously injured with a threshing machine some time ago, is now able to work again.

Mr. James Smith, who had the misfortune to break his leg some time ago, is still compelled to use crutches.

Messrs. Rock and Matherson, from Mitchell, are building a large steam saw mill on lot 24, con 16th, Grey. The frame work is all on the ground and the proprietors intend to have it working by the 1st of January. This mill will be a great convenience for the people of that section of Grey. There is a good deal of pine in that part.

## Goderich Township.

Solea.—Mr. D. Cook has sold a brood mare to Mr. P. Cole, Jr., Bayfield con., for the sum of \$125.

PERSONAL.—Mr. H. C. Cook, of Tipperary, is away on a visit to his relatives in Illinois.

RECOVERING.—The many friends of Mrs. H. Steep, 9th con., will be pleased to learn that she is slowly recovering from her late illness.

TEACHER ENGAGED.—The trustees of S. S. No. 4, (Summerhill) have engaged Mr. Geo. M. Kilby, as teacher for the year 1881, at a salary of \$425. He has been teaching in this school since the 1st of October.

Mr. J. F. Parke, lately employed as teacher in S. S. No. 4, Goderich township, has entered Huron college, at London, for the purpose of studying for the Episcopal ministry.

WILD CAT EXPERIENCE.—R. Russell, of Glamis, Bruce Co., (son of Mr. Robt Russell, of Porter's Hill), recently had an unenviable experience. While he and a Mr. Cronyn were out in the bush, they were attacked by a wild cat, but a dog came to their relief, and freed the animal, when a gun was procured, and the animal killed. It measured seven feet four inches in length.

## Wingham.

Our readers will be glad to learn that Mr. T. Gregory has arrived home. It was thought at one time that he had gone down with the Alpena, he having been about Lake Michigan at the time of the storm when several vessels were wrecked.

Mr. H. Lemmex, who has been on a tour to the United States for several months, has returned clean shaven, but looking as hearty as ever.

Mr. J. W. Walker, of Turnberry, who was taken with a severe inflammatory attack when in Wingham on Thursday last, has so far recovered as to be taken home.

Mr. W. Holmes, merchant, of Belmore, who has been lying ill at the residence of his father, T. Holmes, Esq., for several weeks past, is recovering. His many friends in and around Belmore will be glad to learn that he will shortly be able to return to his business.

The supper given to Mr. Walkinshaw on Friday evening last, at the Royal Hotel, was got up in first-class style, and was partaken of by about fifty persons. The inner man having been satisfied, an address was read by Mr. Ferguson, and presented to the champion, accompanied by a purse containing \$70. Mr. Walkinshaw replied in appropriate terms. An hour or two was then pleasantly spent in toast, speech and song, and the company broke up in good time.

TIN WEDDING.—B. Wilson, Esq., Mayor of Wingham, gave a party at his residence, on Thursday evening last, being the tenth anniversary of his wedding day. This being what is called a tin wedding, a large number of the friends of the Mayor and his lady presented them with articles made of tin in every conceivable shape that could be purchased. A merry evening was spent, many of those present expressing their regret that it would be "so long" before the celebration of their silver wedding.—[Advance.]

## Brosses.

Harbours.—The hay scales were sold on Monday last Monday afternoon. The scales were sold to Mr. Thomas McCracken for \$200.

Bradwell, aged 18, was arrested on Monday last for stealing a horse from the property of Mr. Thomas McCracken.

Mr. Robt. Martin made a good show with 36 head of cattle and 4 horses. Mr. Thos. McLaughlin sold 4 steers to Mr. Nesbit, of Trowbridge for \$180.

Ladies, Balm and Face.—Those languid, tiresome sensations, causing you to feel scarcely able to be on your feet; that constant drain that is taking from your system all its former elasticity; driving the blood from your cheeks; that continual strain upon your vital forces, rendering you irritable and fretful, can easily be removed by the use of that marvelous remedy, Hop Bitters.

Irregularities and obstructions of your system are relieved at once, while the special cause of periodical pain is permanently removed. Will you heed this? See "Truths."

Bogus Certificates.—It is no vile drugged stuff, pretending to be made of wonderful foreign roots, barks, &c., and puffed up by long bogus certificates of pretended miraculous cures, but a simple, pure, effective medicine, made of well known valuable remedies that furnish its own certificates by its cures. We refer to Hop Bitters, the purest and best of medicines. See "Truths" and "proverbs" in another column.

HOPE FOR CONSUMPTIVES.

See what Physicians and the People say about SCOTT'S EMULSION OF PURE COD LIVER OIL AND HYPOPHOSPHITES, as a remedy for Consumption, Scrofula, and Wasting Affections.

Messrs. Scott & Bowne, Gentlemen—I have prescribed Scott's Emulsion of Cod Liver Oil, etc., in my practice and used it in my family. I am greatly pleased with its efficacy, and I have found it very serviceable in scrofulous diseases and primary affections.

Respectfully yours,  
IRAM LANG, M.D., 275 East Broadway, N.Y.

GENTLEMEN—For the last fifteen months I have used your Cod Liver Oil Emulsion, both in hospital and in private practice, and have been greatly pleased with its effects. It is better than any other preparation of Cod Liver Oil. In Consumption and children's diseases I have found it especially valuable.

JOHN A. OSTERLOFF, M.D.,  
Vice-Physician, Louisville City Hospital.

Messrs. Scott & Bowne: I have used Scott's Emulsion of Cod Liver Oil in various instances and I have found it to be easily taken, readily assimilated, and rapidly improves the nutrition and flesh. I consider it the best Emulsion I have ever used.

Indians, Ind.  
Messrs. Scott & Bowne: I have given your Emulsion of Cod Liver Oil, &c., a fair trial, and am glad that I can say it is the best remedy I have found for the cure of Consumption, Scrofula, and Wasting Affections.

Yours very truly,  
G. A. BIEDERSTADT, Galveston, Ind.

SCOTT & BOWNE: I felt it my duty to let you know the benefit I have derived from the use of your Emulsion. I had a very bad cough for years, and on consulting Dr. J. E. Gersbach of this city, he informed me that my left lung was diseased and prescribed Scott's Emulsion with Hypophosphites. After taking two bottles, I began to improve very rapidly, and continued using it until I had taken ten bottles, and now am as healthy a man as there is in the city of Baltimore. I now weigh 150 pounds.

Yours, D. P. FARQUHAR,  
Oct. 3, 1878, Baltimore, Md.

CANANDAIGUA, Sept. 15, 1877.  
SCOTT & BOWNE: GENTS—I thought I would write to you to let you know how much I have benefited from your Emulsion of Cod Liver Oil. I have been using it for some time, and it has done me much good. I have been suffering from Consumption, Scrofula, and Wasting Affections, and it has cured me of all these diseases.

Yours very truly,  
H. H. HARRIS, Canandaigua, N.Y.

THE GREATEST WONDER OF MODERN TIMES.—The Purest of Blood, correct all disorders of the Liver, Stomach, Kidneys and Bowels and are invaluable in all complaints incidental to Females. The Ointment is the only reliable remedy for Bad Legs, Old Wounds, Sores and Ulcers, of however long standing. For Bronchitis, Diphtheria, Coughs, Colds, Gout, Rheumatism and all Skin Diseases, it has no equal.

Beware of American Counterfeits.—I most earnestly appeal to the attention of the Public generally to the fact that certain Houses in New York are sending to every part of the globe spurious imitations of my Pills and Ointment. These frauds bear on their labels some address in New York. I do not allow my Medicine to be sold in any part of the United States. I have no Agents there, nor Messengers, nor any other persons, who may be trusted to sell my Medicine. I have no Agents there, nor Messengers, nor any other persons, who may be trusted to sell my Medicine.

THE GLOBE TOBACCO CO., WINTHROP, CONN.  
Oxford Street, London, Jan. 1, 1879.

## NOTICE.

(Giving up Photography in Goderich.)  
In returning thanks for past favors, would just say, those wishing a benefit will please notice former prices and present:

Present: Former:  
1/2 Size Photo. \$1.00 \$1.50  
3/4 Size Photo. 1.50 2.00  
Full Size Photo. 2.00 2.50  
Albumen Photo. 1.00 1.50  
And Frames to suit the above at  
\$1.00 per dozen, and have your hearts  
gladly for getting them and about 1/2 dozen  
at 1/2 price.

For more information, apply to  
R. H. JOHNSON & CO.,  
100 Queen Street, Goderich.

If you are a man of business, and want to make a good thing out of a bad one, you should get a bottle of Hop Bitters. It will cure you of all your troubles, and make you a better man than you are now.

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1880. Fall Goods! 1880.

Colborne Brothers

GENERAL DRY GOODS.

Special Value in 40% COTTONS, PRINTS, and WINCLES. A Job-Line of DRESS GOODS extra value.

A FULL STOCK OF

GROCERIES

ALWAYS ON HAND.

Highest Price Paid for Butter and Eggs.

COLBORNE BROTHERS.

September 3rd, 1880.

Mantles,

AT \$2.75, AT \$3.75, AT \$4.50, AT \$5.00, AT \$6.50, AT \$7.50, AND AT \$9.50.

HOSIERY, OF MITCHELL MANUFACTURE, for Ladies' and Children.

Apprentices Wanted. (1754) MISS STEWART.

NOTICE.

CLEARING SALE

Having purchased the stock of the GODERICH FOUNDRY &amp; MANUFACTURING COMPANY, consisting of one 40-horse Engine, one 30-horse do., two 5-horse do., new and second-hand Boilers, a lot of Flour Mill Machinery, Saw Mill Machinery, Plows, Gang Plows, Land Rollers, Straw Cutters, Horse-Powers, Brass Fittings for Engines, Gas Pipe and Gas Pipe Fittings, Cooking Stoves, and a large assortment of castings in general use. The above stock will be sold cheap, to make room for the manufacture of other articles. Orders taken for Engines, Boilers, and all kinds of Mill Work. Repairs attended to on the shortest notice. Address

DAVID RUNCIMAN &amp; Co., Goderich

1751

Daniel Gordon, Cabinet-Maker and Undertaker.

Oldest House in the county, and Largest Stock this side of London!

PARLOR SUITES, BED-ROOM SUITES, SIDE-BOARDS, EASY CHAIRS, LOUNGES, ETC., ETC.

Cash Buyers will find it to their advantage to see my stock if they need a good article at a close price.

D. GORDON, West Street, near Post Office, Goderich.

MEDICAL HALL, GODERICH.

F. JORDAN, Chemist and Druggist, MARKET SQUARE, GODERICH.

Wholesale and Retail Dealer in Drugs, Chemicals, Paints, Oils, Dye Stuffs, Artist Colors, Patent Medicines, Horse and Cattle Medicines, Perfumery, Toilet Articles, &amp;c. 1751

GEORGE CATTLE, Chemist &amp; Druggist, Dealer in Pure Drugs and Chemicals, Fancy and Toilet Articles, &amp;c.

Imported Havana and Domestic Cigars, Pipes, Tobaccos, &amp;c.

Physicians' Prescriptions and Family Receipts carefully prepared at all hours.

COURT HOUSE SQUARE.

Mercantile Printing

Of Every Variety.

BUSINESS CARDS, LETTER HEADINGS, MEMORANDUMS, BILL HEADS,

Cheap and in the Best Style!

McGILLICUDDY BROS., 'Signal' Office

1751