

Advances in Science. Miscellaneous. According to Dr. K. Von Fritsch, the cause of earthquakes does not exist at a depth greater than five miles below the surface of the earth.

The experiments of several scientists have shown that eighty-eight per cent. of the power applied to drive either a Gramme or a Siemens machine is converted into available electric energy.

So extensive and varied are the uses to which paper is now applied, that an authorologist has proposed calling the present the age of paper, as we speak of the past ages of stone, bronze, iron, and brass.

The conditions attending lightning with its thunder witnessed in lightning by M. d'Abbadie lead him to conclude that the so-called "heat lightning" is not always the reflection of a storm below the horizon as is usually supposed.

Practical applications for luminous paints are being found in England. Among the latest is the plan of encircling the openings of letter-boxes with the paint so that they are visible in the dark.

The Paris Electrical Exhibition contains an extremely ingenious instrument in the shape of an apparatus by which an number less than 1000 is automatically signalled on one telegraph wire by a single movement of the operator, the figures appearing at the distant end at an opening in a box.

M. Pasteur has resolved to extend his studies in vaccination to yellow fever, with a view of determining whether or not the disease is due to parasites.

Recent investigations show that the false membrane of diphtheria is built up by a pseudomembrane which fastens itself to the throat and grows and multiplies upon its inflamed surroundings.

Although considered mute, insects have the power of producing sounds by certain movements which to some extent are imitative of the different species.

It has often been doubted that the ancient sculptors found in different parts of the world could have cut without the aid of iron tools; but archaeologists have in recent years succeeded in reproducing such sculptures in granite with the use of stone implements only.

With hypophosphite and acetate of soda-two chemicals found in every photographer's laboratory-a very pretty experiment may be easily performed. A solution of the former may be prepared with one-tenth of its weight of water.

M. Planio has succeeded in engraving on glass by means of electricity. The process is as follows: The glass is laid in a horizontal position, and covered with a concentrated solution of nitrate of potash, the liquid being retained by a shallow vessel in which the glass is placed.

revolved at pleasure, so that any portion of the stomach's contents may be turned to view. This new scientific method has been in actual use in Vienna, and will probably prove valuable to medical men in studying the digestion and diseases of the stomach.

"There is nothing accidental," remarks Dr. F. L. Oswald, "and rarely anything inevitable, about a disease; we can safely assume that nine out of ten complaints have been caused and can be cured by the sufferer (or their nurses) themselves."

The infant, "smiling and puking in its nurse's arms," is an abnormal phenomenon. Infancy should be a period of exceptional health; the young of other creatures are healthier, well as prettier, purer and merrier, than the adults, yet the childhood years of the human animal are the years of worst sickness; statistics show that among the Caucasian races men of thirty have more hope to reach a good old age than a new-born child has to reach the end of its second year.

Family Courtesy. One of the most malignant of the family foes is discourtesy, and he creeps into households where one would not suppose it possible for him to find even momentary hospitality.

When Aunt Kitty or Sister Sophy are short and snappish, it is excused because they were up late last night at a party, and it is only little Floy or small Tom who is sent to bed for answering impudently and answering back.

The close confinement of all factory work, gives the operatives pallid faces, poor appetite, languid, miserable feelings, poor blood, inactive liver, kidneys and urinary canals, and all the physicians and medicines in the world cannot help them, unless they get out of doors or use Hop Bitters, the purest and best remedy, especially for such cases, having abundance of health, sunshine and rosy cheeks in them. Their cost but a trifle.—Christian Recorder.

Sensible Advice. You are asked every day through the columns of newspapers and by your friends to take medicine for your Dyspepsia and Liver Complaint that you know nothing about. You get discouraged depending on your own medicine. Now to give you satisfactory proof that GAZER'S ACIDULE FLOWERS will cure you of Dyspepsia and Liver Complaint with all its effects, such as sour stomach, Sick Headache, Habitual Constipation, palpitation of the Heart, Heart-burn, Water-brash, Flatness at the pit of the Stomach, Yellow Skin, Coated Tongue, Indigestion, swimming of the head, low spirits, &c., we ask you to go to your Druggist and get a Sample Bottle of GAZER'S ACIDULE FLOWERS for 10 cents and try it of a regular size for 75 cents. Two doses will relieve you.

ZOPERA FROM BRAZIL.—As a result of the Zoperean commercial enterprise just assuming importance with Brazil, is the introduction of Zopera, so justly celebrated where it is known for the cure of all forms of Indigestion. The company have opened a laboratory in Toronto. Zopera comes to an highly endorsed and recommended, its wonderful affinity to the Digestive Organs, its certainty to relieve and cure Dyspepsia and Constipation makes this remarkable compound a necessity in Canada. The Company makes sample bottles at the trifling cost of 10 cents. Sold by MACKENZIE & Co., Chatham, N. B.

LAW. A. H. JOHNSON, BARRISTER-AT-LAW, SOLICITOR. NOBARY PUBLIC, ETC., ETC. Chatham, N. B.

E. P. Williston, ATTORNEY-AT-LAW, Notary Public, Conveyancer, &c., Newmarket, Miramichi, N. B. R. B. ADAMS, ATTORNEY-AT-LAW, NOBARY-PUBLIC, &c.

WM. A. PARK, Attorney-at-Law, Solicitor, NOTARY PUBLIC, CONVEYANCER, &c. OFFICE—OVER THE STORE OF W. PARK, Esq. CASTLE STREET, NEWCASTLE, N. B.

THEOPH. S. DEBRISAY, ATTORNEY-AT-LAW, CONVEYANCER, &c., &c. BATHURST, N. B. LAW BLANKS. At the Miramichi Bookstore.

Birthday Cards! AT THE MIRAMICHI BOOKSTORE. THE Subscriber begs to inform the public that he has opened a BLACKSMITH SHOP on Water Street, opposite John Mowat's, where he is prepared to execute all kinds of work in this line.

MANCHESTER HOUSE. The Subscriber begs to announce that he has opened a MANCHESTER HOUSE on Water Street, opposite John Mowat's, where he is prepared to execute all kinds of work in this line.

TIGNISH CLOTH MILL. The Subscriber begs to announce that he has opened a TIGNISH CLOTH MILL on Water Street, opposite John Mowat's, where he is prepared to execute all kinds of work in this line.

D. T. JOHNSTONE, Chatham Livery Stables. Regular Coaches to trains leaving and arriving at CHATHAM RAILWAY STATION. Office and Stables... Water Street, Chatham.

MONARCH BILLIARD TABLES. We are agents for the Brunswick & Balke Co's. celebrated Billiard Tables and Billiard Furnishings generally.

GENERAL BUSINESS. The Comet of 1881. JAMES C. FAIREY'S DRY GOODS HOUSE FURNISHING STORE. 36 CASES AND BALES OF DRY GOODS, 200 PACKAGES OF FURNITURE, Received for the Fall and winter Trade.

Golden Ball, Shoe Store. FURNITURE EMPORIUM. The Golden Ball Boot and Shoe Store is the oldest established in Miramichi. It is now fifteen years since we commenced business exclusively in the shoe line, and we can now point with pleasure, to those of patrons, who have invariably purchased from us, during that length of time.

A. & R. BLACK E. Have received and are selling low, Staple and Fancy MEN'S YOUTH'S AND BOY'S WHITE, REGATTA, AND OXFORD FELT AND SOLE also full Boots, Shoes, Machine and Hand Made from best Canadian Manufacturers.

MIRAMICHI BOOKSTORE. Bibles and Church Services SELLING AT COST. ROMAN CATHOLIC PRAYER BOOKS, IN VARIETY AT MODERATE PRICES. INK STANDS! INK STANDS!

NOTICE. The subscriber will open up in a few days a very excellent line of English Scotch and Canadian Tweeds suitable for spring and summer wear. Also a beautiful and choice lot of English Coatings, personally selected in Montreal.

10 Packages Woodenware. CONTAINING: WOOD BOWLS, CHOPPING FRAYS, BUTTER PRINTS, LADLES, SPADES, SPOONS, ROLLING PINS, Steak and Potato Pounders, Lemon Squeezers, Towel Rollers, 1 doz. Imperial Wringers.

Steel Wire Fencing. HOLLAND CIN. IN BONDED WAREHOUSE. 55 Quarter Casks Gin, 35 Octaves, do. 320 Green Cases, do.

An Automatic Reed Organ. "THE ORGUMENT" may now be called a celebrated instrument. In tone it is akin to the Cabinet Organ, but the organ itself is a masterpiece of art in its construction and in its playing.

LEE & LOGAN, Dressmaking. Notice. Miss H. CLARK, begs to inform the ladies of Chatham, that she is prepared to attend to any orders in the above line which she may be favored.

GENERAL BUSINESS. NEW GOODS!! AT J.B. SNOWBALL'S. Just received per late Steamers from the Manufacturers. New Ulster Cloths, For Gents Ladies and Children: Boys' Woollen Knickerbocker Hose, Very Heavy. A very large stock of German and Canadian Clouds and Promenade Scarfs.

Irish Frieze, For Heavy Overcoats. Irish and Scotch Tweeds, Newest Styles. Moscow Homespun, Costume Cloths, Wool Serges, French Cashmeres, French Merinos, Black Scullions, Black Crocians, Colored Cloth Debeques, 100 pairs Best White ENGLISH BLANKETS, 50 pairs Best Twilled Canadian White Blankets

ALL CHEAP FOR CASH! Chatham, Oct. 18, 1881. \$36,000.00 WORTH OF FALL AND WINTER GOODS TO BE SACRIFICED!!! Sutherland & Creaghan, Newcastle. Received ex "Nova Scotia," "Australia" and other Steamships from London, Manchester and Glasgow, Great Britain:

400 pieces Plain and Fancy WINCEYS, 50 pieces HEAVY and MATTLES, 200 pieces RICH, STYLISH DRESS GOODS, 150 pieces GOREY and WHITE BLANKETS and QUILTS, 150 pieces MEN'S and YOUTH'S FUR and FELT HATS and CAPS, 200 pieces GOREY and WHITE COTTON and SHEERINGS, 85 pieces GOREY, WHITE, SCARLET and FANCY FLANNELS, 27 rolls MEN'S and YOUTH'S CLOTHING, 25 pieces TUCKERS, HERRINGS, TOWELINGS and TABLENS, 150 suits MEN'S and YOUTH'S LUNCH, 25 pieces RICH DARK FANTY-COLORED PRINTS, 50 pieces RICH HOME SPUN, also SOCKS and MITTS.

Dissolution. Notice is hereby given that the partnership between MERSEAU & THOMSON has been dissolved this day by mutual consent and the business of the firm is terminated. Photographing and Picture Framing. will be continued by Mr. E. H. THOMSON, at the old stand, and all bills due the late firm are payable to him, and all debts owing to him will be paid by him.

LOOK THIS WAY! And learn that having bought Mr. M. Merseau's interest in the above business, I shall continue the same on my own account, and shall, until further notice, make Good Photographs, at the Unprecedented Low Price of \$1.00 Per Dozen. Pictures framed to order. Call and see for yourselves. E. H. THOMSON, Duke Street, Near Canada House. Chatham, N. B., Aug. 23rd, 1881.

SEWING MACHINE. I respectfully inform my friends and patrons, that I have by no means given up handling the celebrated WAZNER SEWING MACHINES. They may be found at the Studio above named, where all orders shall receive prompt attention. J. Y. MERSEAU, 22. Chatham, April 30, '81.

STEAM MILL FOR SALE! The Rotary Steam Saw Mill, situated at the lower end of Chatham, opposite Middle Island, known as the "Perry Mill," with all the machinery belonging thereto, including Planer and Box Machine. To an active enterprising man, this offers a splendid opportunity for investment, as it will be sold at a low price.

WALL PAPER! AT THE MIRAMICHI BOOKSTORE. The New Forms Coming into use, July 1st, ARE FOR SALE AT

Manufacturers, Builders, etc. CHAMPION PORTABLE SAW MILLS. W. A. Vernon's Patent Saws from the Lumber Co. of Miramichi, N. B. The 16 H. P. Mill runs well. The other day we cut 1,000 feet in 45 minutes. The mill gives an entire satisfaction. Over 200 First Class Engines sold in 3 years. Only perfect Threshing Machine in the world. Address for full particulars, W. N. Olver, Agent, St. John, N. B. or Waterbury Engine Works Co., Bradford, Canada.

MIRAMICHI STONE WORKS. NORTHESK, MIRAMICHI New Brunswick. Joseph Goodfellow - Proprietor. GRINDSTONES, Spindle Stones and Building Stone obtained in any quantity desired at short notice. The Grindstones from the above works were awarded one of the two gold medals at the Centennial Exhibition at the CENTRAL EXHIBITION.

THE CHATHAM UNDERTAKER. The Subscriber having been the first in Chatham to establish the Undertaking business, and keep on hand the best CASKETS & COFFINS, begs to intimate that he is constantly improving his facilities and can guarantee satisfaction.

T. S. SIMMS & Co., St. John, N. B. MANUFACTURERS OF ALL KINDS OF BRUSHES, AND CORN BROOMS. REMINGTON FIRE ARMS. Received Two Gold Medals at the Paris Exposition 1878.

REMINGTON AGRICULTURAL CO., ILLION, N. Y. LOWMAN PATENT CAST STEEL SHOVELS SCOOPS SPADES, PLOWS, HOES, GARDEN & HORSE RAKES, MOWERS, AND Agricultural Implements generally. NEW YORK OFFICE, 57 READE STREET.

R. C. PRAYER BOOKS. A varied assortment of ROMAN CATHOLIC PRAYER BOOKS, just received at the MIRAMICHI BOOKSTORE, WILL BE SOLD AT MODERATE PRICES. Chatham, June 14, 1881.

I. MATHESON & Co. Engineers & Boiler Makers. New Glasgow, N. S. Estimates Furnished for Engines and Boilers, Mill and other Machinery. Notice to Mill Owners. THE Subscriber is prepared to furnish the BEST LUMBER CARLOADING SHIPPING MACHINES, to any parties requiring the same, or supply drawings, &c., to enable parties to manufacture.

THRESHING MACHINES THE WOOD CUTTERS SEND FOR CATALOGUE SMALL & FISHER, WOODSTOCK, N. B. MUSIC. Miss Palfrey having returned to Miramichi will be glad to receive Pupils for Instruction in Vocal and Instrumental Music. Riverside Cottage, Chatham.