"Advance" Scientific Miscellany.

tion of birds by snakes is that the bird ed a laboratory in Toronto. Zopesa mistakes the snakes tongue, which the comes to us highly endorsed and recom reptile keeps in constant motion, for a mended, its wonderful affinity to the lively worm, and watches it with the Digestive Organs, its certainty to relieve expectation of devouring it.

Experiments of M. Gautier appear to prove that human saliva possesses the same poisonous property as that of serpents, although in a milder form .-The human saliva injected under the skin of a bird caused death, with symptoms very closely resembling those resulting from serpent bites.

Celluloid is being used in Paris for making stereotype plates. The mould is taken in a special cement, which quickly hardens after receiving the impression. The sheet of celluloid is then used to obtain the impression to be employed in printing. This substance has also been used for giving typographical representations of lace, the impressions being taken from the lace itself.

The brilliant light of the electric arc is found to be much less dangerous to the eyes than was for some time believed. So high a medical authority as the London Lancet reports that but one case of serious injury from exposure to the dazzling light has come under its notice, and in that instance the exposure was unusually severe and prolonged.

In St. Petersburg use has been made of electricity in pumping water, with a view of making it serviceable, in putting out fires. The experiments seem to have been satisfactory. The same current used for lighting a building may thus furnish power for throwing water on the flames in case it should take fire. Such an application ought to be especially valuable in the case of theatres and other buildings where large numbers of people assemble, and where the prompt introduction of a stream of water might be the means of averting a great loss of human life.

Enthusiasts who make a special study of sun-spots and attendant phenomena believe that the corner-stone of a new science is now being laid by the discovery of an intimate connection between terrestrial storms and activity of the heated gases surrounding the sun. Just what the connection is they are not yet able to clearly define, although electricity is suspected of being the agent through which the effects are nanifested upon our planets. It is known that the gaseous envelope of the sun is affected by eruptions of such prodigious magnitude as to be utterly beyond our power of conception, these disturbances appearing to us in the form of rapidly changing spots on the solar disk. The spots come and go at remarkably regular intervals, a complete cycle of the various stages of activity from maximum to minimum and again to maximum being performed in about eleven years—the so-called "sun spot period." The present year has been one of great solar convulsions, and sunspot physicists have been taking measures to vertify theories that sun-storms produce a marked effect upon the earth and its inhabitants. Their views seem to be strongly confirmed. While the present has been a year of violent terrestrial storms and earthquakes, these scientists claim to have proven by simultaneous observation, a correspondence between minor meteorological phenomena and changes upon the sun. The eminent meteorologist, Prof. Piazzi Smith, Astronomer Royal for Scotland. with many others, are of the opinion that the state of the sun will some day become an important factor in weather

forecasts and similar calculations. One of Proctor's most interesting lectures treats of astronomical time and the ages of the planets, commencing with the earth. From the different geological features of the earth's surface, it has been computed that the formation of its crust must have alone occupied 100,000,000 years. Such is the estimate formed by Crowe and the estimate formed by Crowe and accepted by Sir Charles Lyell. From the investigations of various physicists and experiments by Bischaff, it is found that 350,000,000 years must have elapsed while the earth was cooling from 2000 degrees to 200 degrees of temperature. Prior to this again, the earth existed for a long period in a nebulous | DOOTS, condition. The earth may, therefore, be fairly assumed to be 500,000,000 years old-and this is considered as erring to the side of deficiency rather than to excess. Comparing this planet with Jupiter, on the principle that the larger a body is, the longer must be its time of cooling, it is calculated that it will be 3,500,000,000 years before Jupiter reaches the stage our planet has now attained. Ten times as long a period must pass before the sun arrives at a similar condition. The moon was in this relative period of her existence PUBLIC WHARF. - - -420,000,000 years ago. If any planet is of nearly the same age as the earth it is Venus. Mars is older, Mercury is older still; the moon, the oldest of all. Shingles The features of Venus must nearly resemble those of the earth. Mars is about equally divided into land and water, and must have an atmosphere. The moon pictures the earth's future condition. It is a dead world. It has neither water, clouds, nor atmosphere. But, as the earth is 81 times larger than its satellite, while it has thirteen times as much surface, about 2,500,000,-000 years will be required for it to arrive at the moon's present condition. Following out this theory, we greatly reduce the number of planets on which life is possible. In our solar system we have only the earth, possibly Venus, "HALT! EYES FRONT!"

Sensible Advice. You are asked every day through the You are asked every day through the columns of newspapers and by your Druggist to use something for your Dyspepsia and Liver Complaint that you knew nothing about. You get discouraged spending money with but little success. Now to give you satisfactory proof that GREEN'S AUGUST FLOWER will cure you of Dyspepsia and Liver Complaint with all its effects, such as sour stomach, Sick Headache, Habitual Costiveness, palpitation of the bitual Costiveness, palpitation of the Heart, Heart-burn, Water-brash, Fullness 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 Green's August Flower for 10 cents and try it, or a regular size for 75 cents. Two doses will relieve you.

ZOPESA FROM BRAZIL-As a result of the new commercial enterprise just assuming importance with Brazil, is the intro-

duction of Zopesa, so justly celebrated where it is known for the cure of all forms A new theory of the so-called fascina- of Indigestion. The company have openand 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.

For Sale

1 17 ft. Single Scull Lapstreak Boat, outrigged, patent rowlocks, sliding seat.
1 14 Guage Single Barrel Gun, Breechloader.
1 Scribner Trout Rod, 14 ft. long, nearly new, Reel and 50 yds. line. Will be sold cheap. Apply ADVANCE Office.

Removal.

The Subscriber begs to inform the inhabitants of Chatham, that he has taken the Bakery. for-merly occupied by Mr. Philip Anslow, near Mr. Thoemas Fountain's store. Anything in the bakery line can be had either at Mr. Fountain's or at the bakery, and all orders left at either places will be punctually attended to. The bread wagon will run as usual daily.

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Outfit furnished free, with full instructions for conducting the most profitable business that any one can engage in, the business is so easy to learn, and our instructions are so simple and plain, thanyone can make great profits from the very start. No one can fail who is willing to work. Women are one can fail who is willing to work. Women are as successful as men. Boys and girls can earn large sums. Many have made at the business, over one hundred dollars in a single week. Nothing like it ever known before. All who engage are surprised at the ease and rapidity with which they are able to make money. You can engage in this business during your spare time at great profit You do not have to invest capital in it. We take all the risk. Those who need ready money should write to us at once. All furnished free. Address True & Co., Augusta, Maine.

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45 BBLS. EXTRA C. SUGAR 30 do Granulated do.; Boxes ORANGES; 10 Bbls ASTRAL OIL; DAILY EXPECTED

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HELP Yourself by making money when a golden chance is offered, thereby always keeping poverty from your door. Those who always take advantage of the good chances for making money that are offered, generally become wealthy, while those who do not improve such chances remain in

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prepared to supply the Public wit Superior Quality of Windows, HOUSE FINISHING, For Inside or Outside. First Quality Pine or Ceda Shingles, and to

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- CHATHAM PETER LOGGIE. Liberal Prices will be given for Pine and Cedar wood suitable for making Sawn

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Chatham, September 8th., 1880!

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ATTORNEY-AT-LAW, NOTARY. PUBLIC, &c. Office up stairs, Noonan's Building.

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Birthday

-AT THE-MIRAMICHI BOOKSTORE.



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Special attention given to HORSESHOEING. which will be executed with neatness and des JAMES B CONNELL.

Chatham August 31, 81. From England Ex. S. S. "Nova Scotia.

OPENED AT Manchester House. PIANO Covers each Green and Crimson and Gold Embroidered.
Tables Covers, Printed Cloth.
Curtains, Wool, Damask, Green and Crimson.

Scarlet and White. Net, each wide and narrow.

Black Spanish Lace
Ladies' Black Cloth Jackets. White and Cream Bretonne Lace. Women's and Girl's Black Cashmere Hose. Loom Damask Table Linen, good value.

Black Crape Cord for Trimming.

W. S. LOGGIE,

TIGNISH CLOTH MILL.

The Subscriber begs to announce that he habeen appointed Agent for Messrs. Haywood & Carruthers, Proprietors of the Tignish Cloth Mill. Parties having cloth to Full and Dress will find this establishment will give them every satisfaction as the Proprietors. ion, as the Proprietors guarantee first class work. JOHN BROWN. Chatham, June 22, 1881.

D. T. JOHNSTONE.

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

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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 Coating, personally selected in Montreal. W. S. MORRIS.

N. B.—These goods will admit of my making suits 10 per cent less than heretofore.

JUST RECEIVED

10 Packages Woodenware.

CONTAINING :-WOOD BOWLS, CHOPPING TRAYS, BUTTER PRINTS, LADLES.

SPADES.

SPOONS. ROLLING PINS, Steak and Potato Pounders, Lemon Squeezers.

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The Comet of 1881. NEW

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HOUSE FURNISHING STORE.

36 CASES AND BALES OF DRY GOODS, 200 PACKAGES OF FURNITURE,

Received for the Fall and winter Trade.

"Comet House," Newcastle Oct. 10, 1881. Golden Ball, Shoe Store

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The Golden Ball Boot and Shoe Store is the oldest established in Miramichi. It is now ffteen years since we commenced business exclusively in the above line, and we can now point with pleasure, to hosts of patrons, who have invariably, purchased from us, during that length of time. The reason is plain. We buy entirely from the best manufacturers, consequently our goods give satisfaction. We might purchase cheap, shoddy goods (that are only meant to sell and not to wear) but by pursuing that policy, it would be impossible to retain our customers. The best goods are the cheapest in the end.

We have full lines of

Infant's, Children's Misses', Youth's, Boy's Women's and Men's Boots Shoes, Slippers. etc., at the lowest possible price compatible with good quality.

Trunks, Valises, and Hand Bags, Sole Leather and Shoe Findings.

Seven years ago we opened our FURNITURE EMPORIUM, and have witnessed a steadily increasing business. We keep in stock all varieties of BEDROOM, KITCHEN AND PARLOR FURNITURE, LOUNGES, SOFAS, HALL STANDS, WHATNOTS, WARDROBES, BOUQUET TABLES, SIDEBOARDS, EXTENSION TABLES, SPRING BEDS, IRON BEADSTEADS, STRETCHERS, ETC.

—ALSO.—

Mattrasses, Bolsters and Pillows of all kinds, Mirror Plates, Excelsion Etc. -JUST ARRIVED .-

Few Splendid Parlor Suites, in Raw silk Moscow Homespun, Costume Cloths, and in Hair Cloth.

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Have received and are selling low, a large and well selected stock of

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MEN'S YOUTH'S AND BOY'S READY-MADE CLOTHING. WHITE, REGATTA, AND OXFORD SHIRTS, FANCY TIES, Etc. FELT AND STRAW HATS. also a full stock of

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Machine and Hand Made from best Canadian Manufacturers.

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Nails, Spikes, Glass, Putty etc. etc. Paints all colours, Boiled and Raw Paint Oils. A full line of all COOKING, BOX AND PARLOUR STOVES. all kind of TINWARE.

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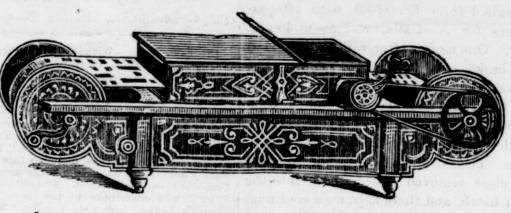
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MISS H. CLARK, begs to inform the ladies of Miramichi, that she is prepared to attend to any charge on the 1st November, of School in District orders in the above line with which she may be favored. No. $6\frac{1}{2}$, Upper Napan. Apply to James Edgar, stating salary. JAMES EDGAR. Oct. 3, 1881. Secretary.

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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

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Ladies' Berlin Wool Shawls, Ladies Berlin Wool Jackets. Ladies' and Children's Wool Scarfs

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Chatham, Oct. 18, 1881.

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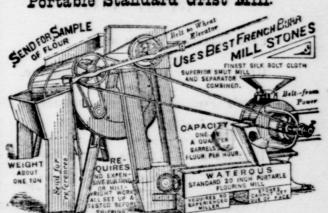
Many complaints having been made us, that customers have not been properly treated and Repairs were not to be had when wanted, we have reorganized our Staff on the North Shore and Will Permanently Locate the following Agents at the chinery. Places Named:

who will have full stocks of the above named articles and will take especial pains to supply repairs when needed, and faithfully attend to the wants of our customer. They are all New Brunswickers but one and he claims to have become one by adoption. PLINY ROSE, NEWCASTLE JOHN McKEEN.....BICHIBUCTO.

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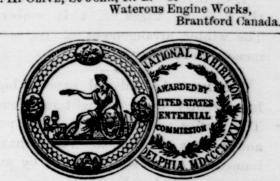
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224 Out of a Possible 225. Single and Double - barrelled Breech Loading Guns and Sporting Rifles. SEND STAMP FOR ILLUSTRATED CATALOGUE

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ILION, N. Y. MANUFACTURERS OF THE LOWMAN PATENT CAST STEEL SHOVELS

SCOOPS SPADES. Made without Welds or Rivets. PLOWS, HOES,

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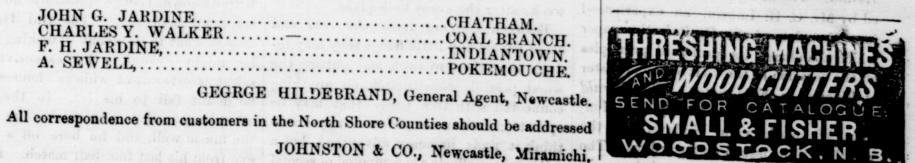
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