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Coal, Wholesale, Retail, BEST IN THE MARKET. Yard No. 1—Ontario Street...

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BOOTS, SHOES, TRUNKS AND VALISES. All the Latest Styles in English, American and Canadian First-class Manufacturers' Goods

G. OFFORD, Sr., Proprietor. THE MANITOBA FLOUR, FEED AND SEED STORE, NO. 19 MARKET SQUARE.

W. F. BAKER, Commission Merchant. CLEANLINESS IS NEXT TO GODLINESS. Hot and Cold Baths at all hours at JONES' IONSBATH PARLOR

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SCIENCE AND PROGRESS.

THE POPULAR SCIENCE NEWS OF THE TIMES.

A Simple but Interesting Experiment Illustrating the Law of Hydrostatic Pressure Performed Without Costly Apparatus—A Curious Fish of Evil Fame.

A curious experiment, illustrating a law of hydrostatic pressure, can be performed by cutting an edge upon the ends of two corks, placing them in the necks of bottles, and balancing two knives upon them in such a way that they will just support a glass of water.



ILLUSTRATING A LAW OF HYDROSTATIC PRESSURE.

This can be easily accomplished after a few trials, according to La Nature, which journal tells how to do it. Attach a cork or any small heavy object to a string, and, holding it in the hand, carefully lower it into the liquid.

The explanation of this simple experiment is not as easy as it might seem. It is really an illustration of the upper pressure of liquids. When the cork is dipped into the water it displaces an amount equal to its own bulk, and is buoyed up by a force equal to the weight of that bulk of water.

Any sufficiently delicate balance, or pair of scales, may be substituted for the arrangement of knives and bottles, figured above, if desired.

A Curious Fish of Evil Fame.

The mud luff, a curious fish of evil fame from its poisonous species, is a native of the shallow waters within the reefs that nearly surround the island of Mauritius, in the Indian ocean.

The dorsal resembles an irregular row of tubercles, each with a spine, rather than a fin, and the wide, puffed out pectorals give the appearance of a ruff round the neck when swimming.

The mud luff is sucked in and swallowed, but it is a sorry day if a human hand or foot touches it. When a foot is inadvertently pressed against the body of the fish, it produces the erection of the spiny crest, enveloped in a skin rich in nervous threads, which are very extensible.

The Roman Catholic church was profusely decorated with flowers on Sunday afternoon for the visit of the Rt. Rev. D. Cleary, Bishop of Kingston, who in a fluent speech condemned the present and strongly advocated a new church.



THE MUD LUFF. stupor or weakness ensues, syncope, and often delirium and death. We are indebted to Scientific American for the above interesting description of this curious fish.

A School of Electricity at Princeton. The new department of electrical engineering at Princeton university is to be opened next autumn, and examinations for admission thereto as well as for the regular classical and scientific departments will be held in the principal cities of the east and west during the latter part of June.

A New Apparatus for Firemen. From April 1, 1899, Paris firemen have been provided with cylinders of oxygen under pressure, to be used for the prompt relief of persons suffocated during fires.

Here and There. It is said that lime burners are free from consumption.

The experiment of introducing the virus of chicken cholera into Australia as a means of exterminating the rabbit pest has proven a failure.

The Electrician reports a rumor from Berlin to the effect that a means has been discovered of using electricity for ascertaining the true north, instead of the magnetic needle; that, in short, the new means will be superior to the compass and is likely to supersede it.

DR. BURNS ON FEDERATION.

He Endorses What Dr. Grant Declared and Even Went Further.

At the imperial federation meeting in Hamilton, Rev. Dr. Burns, home ruler, spoke thus: "I came to hear my eloquent friend, Principal Grant, and to enjoy a treat, and I have not been disappointed.

With the whole spirit of the address I have been delighted. I endorse almost every word of the eloquent address: I call it an unanswerable argument. The lecturer hinted that my countrymen must show that they desire the integrity of the empire before they are entitled to home rule.

There are 40 states, and there will soon be more, with every variety of climate and product, and the product of each state welcomed to the market of every other. The grandest illustration of free trade that the world has ever seen under such a system of federation is natural, I admired the golden cord of free trade that ran all through Dr. Grant's lecture, and I am sure that in the composition of the eloquent lecturer both warp and wool are made up of the same generous principle.

Why should there be any restrictions on the intercourse of the children of the same mother? I would favor the federation of the British possessions, but I would go farther, and I am sure that the lecturer would go with me. I would have a federation of the English speaking peoples. Nor would I stop there. I would aim at the federation of the race.

A federation of the English speaking nations could dictate to the world and shape the civilization of the age. The lecturer was right when he spoke of the difficulty of covering the subject in one lecture. Principal Grant must return, and Mr. McCarthy will still have plenty to do. The subject is immense. Britain's possessions abroad are 45 times the area of the united kingdom.

Abroad she is nearly 8,000,000 square miles, at home she is only about 121,000. Her flag covers a foreign population seven or eight times that of the united kingdom. Her tonnage at home is more than equal to that of all her foreign possessions, while her debt is more than twice theirs combined. The subject is indeed immense, and difficulties may be expected. Shall this federation be like an alliance, offensive and defensive, embracing army and navy? An analysis of the income and expenditure of Great Britain will show us that an average of over sixteen shillings in the pound, or over four fifths of all taxation, is spent on war, leaving less than four shillings for all other purposes.

But to the most important ones enlarged liberties have been given, and these liberties have been used by some of them to adopt a policy contrary to that of the mother country. Canada and most of the Australian colonies insist on protection. I don't present these as insuperable difficulties, but only as some that must be removed, and I would like to see them removed. Before taking my seat I would express my warmest admiration for the generous and manly spirit that pervaded the whole lecture. Such a discussion must do us all good.

MILL CREEK THAT WAS. Odessa Sends its Usual Interesting Budget of News and Novelties. ODESSA, May 15.—The young folks will picnic at Dennis Snider's grove on Saturday afternoon.—Mr. Jenman, Napanee, has leased the Wilton house.—The cheese factory has begun operations.—Salvation army hold forth at the town hall.—Dr. Hemsted and family and A. B. Gordon and family removed to Kingston last week.—A Conservative meeting was held at the "Royal" Saturday evening.—A financial statement of the Methodist church will be published in its leaf. It is a good move.—Seeding is about done and everything looks favorable.

The Roman Catholic church was profusely decorated with flowers on Sunday afternoon for the visit of the Rt. Rev. D. Cleary, Bishop of Kingston, who in a fluent speech condemned the present and strongly advocated a new church. Over \$900 was subscribed and work will probably be commenced in September, and the edifice finished before the new year. The little eyecore was crowded to the door, as many more taking positions outside. The bishop appeared well pleased with his first reception at Odessa.

Asselatine post office, three miles southwest on the station route, will shortly be open for business, Michael Asselatine having been appointed postmaster. Thursday last Judge Price's court was occupied by one garnishee, one contested case and three citations; one of the latter was ordered "up" for ten days.

THE MIKADO LADIES' KID BUTTON BOOT is new in style and the price only \$2. Suits All. HAINES & LOCKETT.

JAPAN TEA. The demand for our 30c. Tea has been so great that we deemed it advisable, in the interest of our patrons, to purchase a larger quantity than usual. This Tea has now arrived and proves a superior article than we anticipated, and is meeting with an increased sale.

STROUD BROS., KINGSTON Address, 109 Princess Street. Montreal, Ottawa, Toronto and Belleville.

WATER PROOFS FOR LADIES, FOR MEN, FOR BOYS AND FOR GIRLS. Sample Black Circulars, with Hood, 90c, worth \$1.50. Black Circulars, with Capes, \$1.25, worth \$2. Black Waterproof Cloth Circulars, \$1.25. Grey Circulars, \$1.50 and \$1.75. Grey Dolmans, \$1.75 worth \$2.50. See our New Russian Circulars, \$5. See our New Cloaks, with Cape and Hood, \$7.50. See our Young Men's Para Coat with Cape. Boys' Coats in every size. SPENCE & CRUMLEY, Leading Millinery Store, 132 and 134 Princess-st.

NEW SATEENS. French Goods of Exquisite Design. Bordered Chambrays, Plain Chambrays, Striped Chambrays. GENUINE LONDON NAVY BLUE DRILL FOR BOYS' SUITS A Fast Color and Good Quality.

NEW PRINTS! JOHN LAIDLAW & SON. FELT COVERS, HOUSE-FURNISHINGS.

JUST ARRIVED, FELT TABLE COVERS, New cheap and handsome. New Carpets, New Floor Oil Cloths, New Table Oil Cloths, New Lace Curtains, Sheetings, Pillow Cottons, Table Linens, Towels, Towelings, etc. The cheapest furnishing house is

A. J. McMahon's.

CHEAP CARPETS, BEST CARPETS, WALDRON'S. NEW BRUSSELS CARPETS, 85c, 90c, \$1 and \$1.10. New Tapestry Carpets, 35c, 40c, 50c, 60c and 65c. New Wool Carpets, 60c, 75c and 90c. New Union Carpets, 37 1/2c, 40c and 50c. Hall and Stair Brussels Carpets to match. Hall and Stair Tapestry Carpets to match. Cheap Mats, Matting, Rugs and Cocoa Mats. 200 Sets Cream Lace Curtains, a great Bargain

HOLLOWAYS PILLS AND OINTMENT. THE PILLS Are at all seasons of the year a reliable remedy for correcting any Disorder of the Digestive organs, and for restoring a healthy action to the STOMACH and BOWELS. They act on the Liver and Kidneys with marvellous effect, and by giving strength and tone to these important organs create a circulation of pure and healthy blood. THE OINTMENT Heals all recent Wounds, Cuts, Bruises and Sprains and is a certain cure for BAD LEGS, SORES, ULCERS and OLD WOUNDS. It has no equal for the cure of Bronchitis, Sore Throat, Coughs, Colds, Rheumatism, Gout, Glandular Swellings and all Skin Diseases. Manufactured only by Thomas Holloway, 78 New Oxford St., late 838 Oxford St., London. Purchasers should look to the Label on the Boxes and Pots. If the address is not 838 OXFORD STREET, LONDON, they are spurious. GEORGE CLIFFE The General Real Estate Agent, Makes a specialty of taking care of estates letting houses, collecting rents, buying and selling city properties. Parties wishing to buy or sell houses or lots should call at Headquarters for Real Estate. OPPOSITE POST OFFICE.