

## Chatham Notes.

The holidays are over though we trust the good feelings engendered and good resolutions formed during the late festive season have not gone with it but that they may bear fruit throughout the whole year.

The week of prayer as arranged by the Evangelical Alliance for the first week in January was duly observed by ministers and their congregations. Union services of prayer, praise and addresses on the different subjects were held in some one of the different churches on each evening of the week which were well attended and on Sunday there was a general exchange of pulpits.

The Chatham Electric Light Company, of which our pushing young friend, McDougall Snowball is manager, in order to keep pace with the increasing demand for electric light have recently enlarged their station building and almost doubled their plant having a new engine and boiler and two new dynamos. The latter, however, are not yet in position.

Capt. Thos. Petterson who commands the steamer Nelson plying between Chatham, Newcastle and Nelson in summer, recognizing the fact that people like to travel in winter as well as in summer now commands a stage on the same route which made its first trip to-day. It will be a great convenience to the public and we wish him success.

Mr. Strang has the honor of having the first plate glass store front in town. It was put in his new brick store on Cunard street last week and is much admired.

## Rogersville Items.

D. Gallant, of Rogersville, is contractor for sleepers for Ship Railway and is prepared to pay 45 cents for pine or juniper sleepers 9 feet long 7x12, and \$2 for sleepers 27 feet long, 7x12 delivered either along the railway or at sea ports.

A three story building, containing 18 rooms and kitchen, situated opposite Rogersville station, known as the Rogersville House, is for sale or to rent in whole or in part. It is suitable for various purposes. Two front stores might be made on the first floor, and another room that would admirably suit for a shoemaker's shop. A tailoring and millinery establishment would do well in Rogersville and no better place could be found for the purpose. A watch maker, tin smith and carriage builder and a good horse shoer would also find lucrative occupation here.

D. Gallant's three-year-old stallion, "Wellington Hugo," is the prettiest animal of his class in the County. He weighs over 1200, is jet black, legs included, and is kind, and lively. He carries himself well, is a fast walker and a beautiful stepper. He is considered the best stock in the County and the most suitable for improving horse stock. He is for sale.

## Money in Patents.

"If you want to make or lose a fortune in a day," said Mr. H. C. Lodge, a well known Colorado patent lawyer, "just go into the business of an inventor. It is better than a lottery, for you stand the chance of winning once in a while. The man who invented hooks now in use on top of shoes was a Missouri shoemaker. He got \$350 for his patent, but the man who bought it made \$75,000 out of it. The inventor and patentee of that toy for children, the rebounding ball, now almost forgotten by the fickle youngsters, cleared \$122,000 out of his patent, while the 'chestnut bell' profited the firm that patented the idea \$150,000. 'Pigs in clover' would have brought the inventor, a central New York farmer, as much more, but a number of firms manufacturing children's toys ran the risk for infringement of patents during that craze, and the inventor only received \$15,000 and a lot of lawsuits. I haven't said anything about the men who have lost fortunes in the business, but their name is legion."

The great popularity of Ayer's Pills as a cathartic is due no less to their promptness and efficacy than to their coating of sugar and freedom from any injurious effects. Children take them readily. See Ayer's Almanac for this year, just out.—Adv.

## How to Measure Logs.

A thorough knowledge of the mean by which the contents of any log or stick of timber can be accurately determined either in feet, board measure or cubic feet, is a necessity with everyone engaged in the lumber trade. Although this may seem difficult at first, it is really a very simple, as is satisfactorily shown by an expert on the subject, from which the data of this article are gathered. There are several rules and tables published for determining the contents of logs, but the Doyle rule, which is given in Scribner's log book, is in most universal use, and is considered the standard. If all timbers to be sawn were square to begin on, then the different tables would not vary, but every lumberman knows there is considerable good lumber in a round log outside the four lines that must be cut to bring it to a square. In a small log this amounts to very little, but in large ones it will reach as high as 30 per cent. One third of the diameter of the log is usually allowed for squaring it.

Small logs will generally cut more than the Doyle rule, mentioned above, gives, and for this reason some New York exporters have adopted other tables, the most popular of which is Gard's log book. G. F. Herring's log tables, which are published by Pastoriza & Brown, Houston, Texas, are used to a considerable extent in the south western territory. These tables give results considerably below the Doyle rule. To illustrate: According to Doyle, a log 40 in. in diameter and 10 ft. long contains 810 ft., the same log 40 ft. long contains four times as much, or 3,240 ft. The Herring rule makes a log 40 in. in diameter and 10 ft. long contain 667 ft., and one 40 ft. long of the same diameter, 2,734 ft., instead of 2,668 ft., as it would, if the short length were correctly calculated, and the mean diameter taken. This discrepancy is probably due to some custom of taking the diameter of the logs that is not explained in Mr. Herring's book.

The rules so far alluded to are for estimating logs on land; for floating logs, the one commonly used in the streams of the hardwood belt is called the Cumberland river rule, but has never been printed except in card form. It is very simple. From the dimension of the log one-third is subtracted to bring it to a square, and from the square thus formed one-fifth is taken from one side for saw kerf. Take, for example, a log 10 ft. long and 15 in. in diameter. One-third of this for squaring leaves a diameter of 10 in., and one-fifth off one side for saw cut will leave a log 8x10 in. Multiply the two sides together, and the product by length in feet, dividing by 12, leaves 67 ft. for the amount of lumber, board measure, while the same log according to Doyle's rule would produce 77 ft. For a log 10 ft. in length and 40 in. in diameter this rule gives 473 ft. The same log by Doyle's and Gard's rules contains 810 ft., and by Herring's 667. If cut with a band saw it would produce more lumber than any of them give, providing it be round, straight, and perfectly sound. The low estimate given by the river rule is to protect the buyers of logs from natural defects hidden under the water, and from intentional fraud.

In measuring logs in the water a stick is used called the river log rule. It consists of a hickory strip, very much like the ordinary lumber rule, only about six feet long, and has a metal hook projecting at right angles from the lower end. There are three rows of figures for six different lengths of logs. In using it the hook end is thrust straight down into the water, and the hook brought firmly up against the bottom side of the log, and the thumb placed against the stick at the top. The figures on the stick nearest the point indicated by the thumb, in the row for that length, show the contents of the log. Thus it will be seen that under this rule the log is measured from outside to outside of the bark, which neutralizes the apparent discrepancy between it and the Doyle rule. Those who handle rafted logs will find this rule very satisfactory, as it gives uniform results and sufficiently below the actual contents of perfect logs to make up for all ordinary defective ones beneath the water.

James Joyce, aged 12, and Helmsmore, aged 16, broke through the ice on Lake Ontario Saturday, while skating, and were drowned.

Falling of the hair is the result of the friction of the glands or roots of the hair, or a morbid state of the scalp, which may be cured by Hall's Hair Renewer.

The average watch is composed of 175 different pieces, comprising upwards of 2,400 separate and distinct operations in its manufacture. The balance has 18,000 beats or vibrations per hour, 12,960,000 in thirty days, 137,680,000 in one year; it travels 1 43-100 inches with each vibration, which is equal to 9 1/2 miles in twenty-four hours, 191 1/2 miles in thirty days, or 3,558 1/2 miles in one year.

A British Pompeii has been just discovered near Reading, in Berkshire, on the great Strathfeldsay estate of the Duke of Wellington. It is a true city, not a mere camp, and when fully excavated will throw light upon the domestic life of our ancestors of more than 2000 years ago. The city now being laid bare is the Brito-Roman "Silchester." The whole area has been free from all building operations ever since the Roman occupation of Britain; in fact the soil is virgin, having been pasture land for centuries.

The death at Johnville, Carleton Co., of Mr. Charles McGinley, aged 104 years is announced. Mr. McGinley was for many years prior to moving to Johnville a resident of Woodstock.

SIR—In your last issue appeared a communication signed "Grit," and presumably written by some lunatic to the effect that herring nets are in course of construction by some of the local politicians of Buctouche, etc.

At a recent meeting in Moncton called to consider matters relating to fisheries one of those present, owing to causes which can be explained, was unable to proceed with his speech. It is supposed that on the adjournment of the meeting he considered the matter thoroughly and concluded that statements of such tremendous importance as he had to communicate should not be lost to an eager and expectant public, merely because he had been attacked with a stroke of modest bashfulness or something else. Hence the brilliant communication in reference to Laurier and local Buctouche politicians.

Thanking you for your valuable space, I am, TRUE GRIT.

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Graham Flour, in 5 lb. bags.

PURE WHEAT GRITZ in 5 lb. bags.

A Delicious Article of Food, also PURE GOLDEN SYRUP

of the Finest quality, put up expressly for family use, in 2 lb. cans with movable tops.

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Write us for prices of White Star Baking Powder—the quality is guaranteed to suit or money refunded. Put up in 4 oz. and 12 oz. cans, and packed 3 dozen in a case. Wholesale agents: H. W. NORTHRUP & CO. South Wharf, St. John.

Dr. R. Nicholson Will visit Welford every Wednesday, and can be consulted at the residence of Mrs. Cumming between the hours of 2 p. m. and 8 p. m. (dec25lg)

JAMES BUCKLEY, MANUFACTURER OF AND DEALER IN BOOTS AND SHOES WELDFORD STATION.

Also in stock—A fine assortment of Boots and Shoes, Moccasins, Horse Collars, etc.

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Farm For Sale. The subscriber wishes to dispose of the Wm. Scott farm near the James Givran farm in West Galloway. This property, which contains 100 acres more or less, over 30 of which are under cultivation, is well fenced with Cedar poles, and cuts from 15 to 20 tons of English hay besides a quantity of interval hay. Good house and barn on the premises. Well watered by a spring brook. For further particulars apply to H. IRVING, Buctouche, dec 18 90

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Chandeliers, 2, 4 and 6 lights.

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Outstanding Assurance Dec. 31, 1889, \$631,016,666 New Assurance Written in 1889, 175,284,100 Premium Income in 1889, 25,337,523 Interest and Other Income, 5,035,765 Total Income, 30,373,288 Payments to Policy holders, 11,542,558

Assets, 107,150,209 Liabilities (4 per cent.), 84,329,235 Surplus, \$22,821,074 Ratio of Assets to Liabilities, 127 per cent.

Of the Life Assurance Companies of the world THE EQUITABLE has for ten years transacted the largest annual new business (in 1889, \$175,284,100; for ten years held the largest 4 per cent. surplus (December, 1889, \$22,821,074); for four years held the largest outstanding business (December, 1889, \$631,016,666); while its superior financial strength is shown by its high ratio of Assets to Liabilities, 127 per cent. Free Tontine Policies. Bonds combining investment with Assurance. For information address—EDWARDS & FIELDING, Managers for the Maritime Provinces, Box 158, Halifax, N. S., or: Special Agent G. B. REED, Moncton, N. B., or: Local Agents—Moncton, J. E. MASTERS; Chatham, F. R. MORRISON.

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Teeth extracted without pain by the use of Nitrous Oxide Gas or other Anesthetics. Artificial Teeth set in Gold, Rubber or Celluloid. Special attention given to the preservation and regulating of the Natural Teeth. Also Crown and Bridge work. Work guaranteed in every respect. Office in Chatham, Benson Block. Telephone No. 53. Newcastle Office—opposite Square, over J. G. Kethro's barber shop. Telephone No. 9.

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1890 -- WINTER ARRANGEMENT -- 1891

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A Fine stock of Cloths to select from kept constantly on hand.

Orders from a distance will receive prompt attention, and satisfaction guaranteed. aug2890ui

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Dimension Lumber cut to order, selling cheap for Cash, or in exchange for Produce.

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