

THE I. H. C. FAMOUS Gasoline Engine

has proven to be the best power for such work as threshing and wood cutting and we can refer to our many satisfied customers in this and adjoining counties.

If you have any idea of a Gasoline Engine we will be pleased to show sample or send catalogue and information

We have the Moody one horse, two horse and three horse Threshing Machines, and the Dain Full Circle Steel Hay Presses.

J. CLARK & SON

Fredericton, N. B. and 17 Germain St., St. John, N. B.

CHRISTIE'S BISCUITS

A large assortment just in of the best variety Coffee Room Cake made by Miss Kilburn, made for us every day.

C. H. BURTT

Repairs for Massey-Harris machinery.

Yerxa Grocery Co.

THE STORE FOR THRIFTY PEOPLE

A penny saved is a penny earned. By trading at this store you can save, not only one penny, but many. We sell for cash and can therefore afford to give you the benefit of the discounts we get by paying cash for our goods.

SUGAR

Fine Granulated \$4 90
cwt. 20 lbs \$1.00.

PULVERIZ'D SUGAR

9c lb, 3 lb 25c.

MOLASSES

Best Fancy Barbadoes,
39c a gallon.

COFFEE

Have you tried our Blue Banner Coffee. It is simply perfect. 35c lb., 3 lb \$1 00.

TEA

Don't forget when you want Tea, that we carry the best Tea for the money that can be obtained. 29c lb., 4 lbs \$1.00.

SOAP

Yerxa's No. 1, 4c bar, 7 bars 25c. We carry a variety of Toilet Soaps at lowest prices.

ENAMEL WARE

Don't forget our Kemp Diamond Enamel Ware, Preserving Kettles come in handy these days. Our price 45c.

FRUIT

Large Pears 30c dozen.
Watermelons 40c each.
Bananas 15c, 20c and 25c dozen.
Peaches, Oranges, Etc., Etc.

YERXA'S

CURIOUS PROBLEMS.

Do You Think That You Could Count Up to a Trillion?

Some persons openly manifest an aversion to mathematics. Can they be censured when such problems as these are presented to view?

One little statement that set many people to thinking about their limitations first appeared in a publication some twenty-five years ago. It simply stated, "You cannot count a trillion." Many tried it, but all gave up before counting very long. Supposing you counted without stopping at the rate of 200 every minute of the day and night, how long would it take? You could count 12,000 an hour, 288,000 in a day, 105,192,000 in a year of 365 1/4 days. Since a billion is a thousand million, it is a simple matter to see that it would take nearly ten years to reach that sum, and since a trillion is a thousand billion it does not require a great stretch of the imagination to see that we could never reach that amount unless we had been in the neighborhood of 10,000 years to devote to the task.

A woman of social ambitions once remarked to an acquaintance that she had eighteen intimate friends whom she wished to have to dinner, but as her table seated only eight she could have only six guests at a time. It was suggested that she invite them in rotation, changing the guests until each had been to dinner with all of the others. At the first dinner she announced her plan, and one of the guests asked if she had counted the number of dinners she would have to give before she had made the complete rotation. When he learned that she thought twenty or thirty dinners would answer he laughed, took a pencil from his pocket and after figuring a few minutes told her that it would require 18,564 dinner parties to finish her plan. At the rate of 300 each year this would require nearly sixty-two years. The plan was abandoned. He then suggested that she see how many ways she could seat the eight people around the table, and she was ready to try that as well until told that it was without having any two alike.

Suppose six horses are entered in a race. If some one should offer to bet that you could not tell the exact order in which the six horses would cross the tape you would probably not care to take the bet unless you were given good odds, say 50 to 1 or 75 to 1. Many would be willing to bet under such conditions. But their chances to win would be exceedingly small. Any one of the six horses might be first; any one of the other five might be second. Of the other four any one might be third. There would be three choices for fourth place, two for fifth and one for sixth. Now, since the same possibilities would remain, no matter how we started, it is easy to see that the total number of arrangements must be 6x5x4x3x2x1, or 720, so that the better has exactly one chance in 720 of winning, provided he knows absolutely nothing about the horses. If he takes odds of 100 to 1 he is almost certain to lose, for he is really the one who has given the odds 7.2 to 1 even at 100 to 1.

Trees and Lightning.

There is a popular belief that certain trees are less likely than others to be struck by lightning and that during a thunderstorm it is quite safe to stand under a beech, for example, while the danger under a resinous tree or an oak is respectively fifteen or twenty times greater. This is disputed by Dr. A. W. Borthwick in "Notes of the Royal Botanical Garden of Edinburgh." The doctor says that no tree is immune, since lightning will select one species quite as readily as another and the beech quite as frequently as any other species. Apparently the taller trees in a neighborhood are the ones most likely to be struck. Contrary to what is believed by some people, the cells are not "ruptured or torn by the formation of steam, as might happen if the heating by the electric current was very great. The cells collapse and shrink up, but are never torn." The root system does not seem to be ever damaged by lightning.

A Thorough Sportsman.

Sir Thomas Lipton has other hobbies besides that of yachting. He is very fond of most outdoor amusements, and has spent hundreds of thousands of pounds on sport in various forms, but is said never to have made a bet in his life. Among his pet pursuits are billiards, cricket, golf, and motoring. The theatre he does not particularly fancy, and as for reading he confines himself chiefly to magazines and newspapers. He believes in plenty of fresh air, and to avoid sleeping in town will often drive ten miles at one in the morning to Osidge, his place at Old Southgate, in Middlesex. He is also a keen gardener.

A HISTORIC REGIMENT.

Sixth Fusiliers of London Have Long Record of Service.

The last parade of the City of London Militia (the 6th Royal Fusiliers) took place at Bovington Camp, Dorset, a short time ago. They had always been employed on the side of law and order from the days of Queen Elizabeth, and, indeed, far earlier though under different designations. They are now going to join the Regular Forces and will ever be mindful that they bore a name which would never fade into forgetfulness. The record of the 6th Royal Fusiliers, who have been transferred as a complete unit from the old Militia to the new Special Reserve, dates back to A.D. 886, when King Alfred the Great was assisted by the troops sent by the City of London in defeating the Danish invaders. The regiment and its various predecessors have gone through stirring scenes, having been employed in the earliest Scottish wars, the Wars of the Barons, and every insurrection in the south of England since 1300. It was in 1559 that Queen Elizabeth mustered a regular City Militia, and thenceforward the regiment has a continuous record. At that time the Queen ordered the Lord Mayor of London to find and pay for 10,000 men, which he did. Queen Elizabeth constantly called on the City for troops, and it is on record that on one Sunday evening the Lord Mayor received the royal command to parade 1,000 men; this he accomplished by closing the church doors in the City during service and finding the required number of men among the congregations. In 1640 the City Trained Bands, the forebears of the 6th Royal Fusiliers, fought against the Scots, and at the commencement of the Civil War protected King Charles I. In a few days, however, the same men were used for guarding the members of the House of Commons on their way to and from Whitehall. Thenceforth they fought under Oliver Cromwell and greatly distinguished themselves in every action. In 1662 the Trained Bands were especially exempted from the control of the crown, and came under the orders of a newly-appointed Court Lieutenant of the City of London, which still exists, makes grants for the upkeep of the regiment, and is owner of the barracks. In 1795 the City Trained Bands were organized in two regiments, the east and the west, and were allowed privileges which are still strictly guarded. One of these is to march through the City with colors flying, bands playing, and bayonets fixed. In 1820 the two regiments were united in one, called the Royal London Militia, the present title of the 6th Battalion. The strength of the regiment is 656.

To Preserve Eggs.

An Australian chemist has invented a process of preserving eggs by desiccation. The eggs, freed from the shells, are dried at the relatively low temperature of 130 degrees. This can be rapidly executed in containers kept at this temperature, from which the air has been exhausted, and from which the moist vapor has been withdrawn as fast as it is given off by evaporation from the eggs. There is no alteration in the chemical composition of the eggs—only a loss of the greater part of the water. When thoroughly desiccated and pulverized into a coarse powder, the egg material can be preserved for an indefinite period in ordinary packages, if kept dry. The eggs are "reconstituted" by the simple addition of water to the dry powder, the resultant mass being quite indistinguishable from newly-beaten eggs.

CASTORIA

For Infants and Children.

The Kind You Have Always Bought

Bears the Signature of *Dr. J. C. Fletcher*

NOTICE OF ASSESSMENT

The assessment roll for the City of Fredericton for the year 1908, is now in the hands of the City Treasurer for collection and all persons therein assessed are hereby requested to pay the amount of their respective taxes forthwith to the City Treasurer. A discount of five per cent. will be allowed on all taxes paid in, on or before the 20th day of August, after which executions may be issued, and proceedings had thereon, as by law provided.

Dated at the City Hall, Fredericton, this first day of August, A. D., 1908.

ISRAEL GOLDING,
Collector and Receiver of Taxes

Stickney Gasoline Engines

Are always reliable because they are so simple

BARRETT'S

SPECIALS FOR SATURDAY

LADIES' WRAPPERS—The balance of our stock of Print Wrappers will be offered at cost to clear. They are made from good quality of Print, fast colors, extra large and full. Prices 75c, \$1.20 and \$1.35.

BLACK SATEEN UNDERSKIRTS, 83c.

LADIES' VESTS, 2 for 25c

LAWN WAISTS at prices you would not hesitate in giving.

HAIR AND NECK RIBBONS, 5 inches wide 15c per yard.

Tennant & Clarke

FINE TAILORING

FANCY TWEED SUITINGS

I have a special line which I will make to order at specials prices.

\$16.00 \$18.00 \$20.00

Also a fine range of Trousers from \$5.00 to \$8.00

All kinds of Pressing and Repairing at reasonable prices

John G. Williams

MERCHANT TAILOR

QUEEN ST.

OPP. HERALD OFFICE

Grand Displays

AT THE

ST. JOHN EXHIBITION

Magnificent Fireworks

The best money can procure

Splendid Live Stock

The pick of the Maritime Provinces

Agricultural Products

Field, Orchard and Dairy. All the latest and best on the market.

Inventions Triumphs

As found in the Machinery Hall.

Manufacturer's Products

The best results of skilled workmanship.

ALL IN ONE GREAT SHOW

SEPT. 12 - 19

EXCURSION RATES ON ALL RAILROADS AND STEAMBOATS

R. H. ARNOLD,
MANAGER