

THE 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.

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.

MOLASSES

Best Fancy Barbadoes,
39c a gallon.

PULVERIZ'D SUGAR

9c lb, 3 lb 25c.

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

COUNTING THE STARS.

Use Made of the Microscope and of
Photographic Plates.

The gigantic but fascinating task which J. Franklin-Adams, F. R. S., has undertaken of counting the myriad stars in the heavens and assigning to each its proper magnitude is one which demands the quality of almost infinite patience.

Mr. Franklin-Adams has already secured photographic plates covering the whole of the southern hemisphere and these, with the series dealing with the northern hemisphere, will number more than 200. Each plate, which is fifteen inches square, records from 20,000 to 250,000 starry images, and on a rough calculation the total number of stars photographed will prove to be about 23,000,000.

The task of counting the stars on the plates has already been commenced, and that work, together with the cataloguing, will take another ten years. The method of counting the stars on the plates was explained by R. J. Mitchell, Mr. Franklin-Adams' chief assistant.

"First taking one of the plates," said Mr. Mitchell, "we move it across a graduated grating contained in the field of a high powered microscope. A horizontal strip in the grating is then examined, and the stars in this small area are then counted from left to right. Of course it is impossible to insure absolute accuracy, for there is the possibility that a star may be counted twice or missed altogether.

"Then there is the difficulty presented by mechanical specks on the plates, which may at first be taken for stars, but Mr. Franklin-Adams has a method by means of which all stars above the tenth magnitude can be differentiated from dust specks. Mr. Franklin-Adams and his assistants check one another in the counting, but there is always a slight difference in the totals, due, of course, to the personal equation as represented by the operator.

"Merely to count the stars on an average plate apart from noting their photographic magnitude occupies the time of two men for more than a fortnight if they work seven hours a day. In taking the plates Mr. Franklin-Adams used a triple achromatic ten inch lens working at F4. In the northern hemisphere the minimum exposure was two hours twenty minutes and in the southern, with its clear atmosphere, two hours."—London Mail.

An Ingenious Swindle.

A large number of chemists in Paris have just been the victims of an ingenious swindle. About 200 of them one day received a visit from an individual who handed in a prescription to be made up. Among the ingredients was one which was quite unknown to them, and a note was added to the effect that it was to be obtained only at a certain wholesale depot. The chemists almost to a man sent off to the depot for the special ingredient and paid 12 francs for a bottle of stuff. The prescriptions were duly made up, but were never claimed, and it now transpires that a couple of men had temporarily hired the depot and sold bottles of colored water to the unsuspecting chemists at 12 francs apiece. The Paris police are anxiously inquiring for them as well as for their confederates who visited the chemists' shops.

Barrels of Money.

As the dot of his bride, Grand Duchess Maria Paulowna of Russia, 3,500,000 rubles have been deposited to the credit of Prince Wilhelm of Sweden. The money was shipped from St. Petersburg in thirty-five barrels, each containing 100,000 rubles in gold. The Swedish royal mint will recast the gold into Swedish values free of charge, and the young couple will then be enabled to establish their royal ménage on a fitting scale. While this sum is a free gift of the bride to her husband, the grand duchess retains the income from her landed estates in Russia for her own pin money, and in addition to this the czar is having built at his own expense a castle for the royal "honeymooners" near the capital.—Argonaut.

Wonderful Surgery.

Among recent wonderful surgical operations is one of the most daring and unusual nature. An idiot six years old, the daughter of a resident of Berlin, has been converted into an intelligent being by the process of grafting part of the mother's thyroid gland upon the child's pancreas. In more popular language, this means that part of the mother's throat has been transferred by the grafting process to a gland, or tissue, lying directly at the back of the stomach. The operation was carried out by Dr. Carl Grosse, of Göttingen.

geom. whose success in the transplanting of organs from one animal to another and even from the lower animals to human beings has attracted wide attention.

How Far We Are Behind.

Over 1,000 years ago Switzerland possessed a forest system and had developed a scientific forestry by the fifteenth century, says the American Magazine. As early as Louis XIV. France awoke to the fact that her forests and her life were draining away together. But it was too late. Today she is spending \$34 an acre to reforest her watersheds. The same experience is costing Italy \$20 an acre.

Ambrose Channel.

Ambrose channel, leading from New York bay into deep sea water, is the most important waterway to the city. Since its improvement was started, about seven years ago, more than \$3,000,000 has been spent on it, and an equal sum will be required before the work that is planned will be completed, about four years from now.—New York Herald.

Water Gate Restored.

Inigo Jones' famous water-gate on the Thames (Eng.) Embankment, built in 1625, for the use of the Duke of Buckingham, has been restored to use after a century and a half of neglect. It is a fine, historic structure, but it gradually became half-buried during the nineteenth century, as the arch of Severus was slowly immersed by the rising ground of the Roman Forum. Workmen have been clearing away the accumulated earth, with a view to the use of the steps and gate by the King.

TOBACCO IN IRELAND.

Government Has Decided to Aid Industry by Money Grant.

Much satisfaction is expressed in Ireland at the announcement that the Government has determined to assist the Irish tobacco-growing industry.

Although the Government finds itself unable to accede to the reduction of duty on every pound of tobacco produced, a grant of money will be made. This money will almost certainly be administered through the Irish Agricultural Department, probably as grants in aid to growers. An announcement on the matter may be expected from the Chancellor of the Exchequer within a few days.

One of the principal movers in the matter has been Mr. W. Redmond, M.P., to whom the industry owes its birth, and he is confident about its future. "Even if the rebate asked for was a form of protection," he said, "I do not see why, under the peculiar circumstances of the case, it could not have been granted. But the same result will be attained, we hope, by another way. Whenever I brought forward a plan for a temporary rebate on tobacco grown in Ireland, I found the Chancellors of the Exchequer most sympathetic.

"The rebate of a shilling in the pound was granted in 1898 for seven years, and was renewed under Mr. Asquith for another five years. But the area was limited to a hundred acres, and the work was regarded as experimental. The doubtful stage is being passed. It is no longer to be questioned that good tobacco can be grown in Ireland. Col. Everard employs 137 men in the season on his tobacco, and Lord Dunraven is doing a notable work."

CASTORIA

For Infants and Children.

The Kind You Have Always Bought

Bears the Signature of *Wm. D. Mitchell*

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