

"I SLEEP WITHOUT SUFFERING"

I was for two years totally unable to do my work with Asthma. I was so run down that I could not sleep day or night. I had no appetite. I tried several treatments but got no relief. A friend advised me to try Overseas Asthma Remedy. I got a bottle and it has helped me so much I am now able to be about my work as I used to be. I can sleep all night without smothering and choking as I have been for two years. I have a good appetite.

I am willing to answer letters asking about what it has done for me. Mrs. John J. McAdam, West St. Peter, R.R. Mt. Stewart, P.E.I.



OVERSEAS ASTHMA REMEDY

Character Close-Ups

A LONG NARROW HAND ON A THIN WRIST SHOWS THIS LADY IS TEMPERAMENTAL AND INTUITIVE

Stop Stomach Gas Quick With Simple Mixture

Simple glycerin, buckthorn bark, saline, etc., as mixed in Adlerika, stops GAS bloating in 10 minutes! Unlike other medicine, Adlerika acts on BOTH upper and lower bowel, removing poisons you never thought were there and which caused gas, sour stomach and sick headache. Relief in 2 hours. Let Adlerika give stomach and bowels a REAL cleaning and see how good you feel! It will astonish you! Hughes Drug Co., Ltd.

BELL & MATHIESON Barristers & Solicitors Collections MONEY TO LOAN MONTAGUE

EYESIGHT EXAMINATION Fitting and supplying Glasses etc.

H. J. MABON OPTOMETRIST Office Connected With Drugstore Montague, P. E. I.

HAVE YOUR EYES EXAMINED AND GLASSES FITTED BY E. E. PARKMAN Registered Optometrist Montague, P. E. I.

E. R. BROW 146 Richmond St., Charlottetown Fire, Life, Accident, Sickness and Plate Glass Insurance at Lowest Rate. Good Strong Stock Companies Agent at Summerside, Lloyd Lewis

Western Guardian

—BUY MANN'S warranted axes, Diston saws, Indian axe handles at Brace's. 1474-2-3-21.

—SHIPMENT POWER MEAT choppers just received at Brace's. 1474-2-3-21.

—FRESH STOCK rose-colored etched tumbler package Robin Hood Rapid Oats at your Grocer. 1298-1-27-1week.

—FAIRBANKS STANDARD SCALES with bag rack, nickelled weights, cleavises and brass sliding poise, sold at Brace's. 1440-2-1-21.

—LAMB HEARTS, liver and lungs packed assorted in 100 lb. boxes, sold right at Brace's. 1440-2-1-21.

ANNUAL ENTERTAINMENT

The annual entertainment of the Presbyterian Church, Hunter River, was enjoyed by a large and appreciative audience in the Orange Hall. The pastor Rev. Mr. Stavert presided. The interest of the audience was maintained throughout the program; but special reference may be made of the pantomime "Seven Stages of Life" under the direction of Mrs. Frank Bagnall which received hearty applause. The following is the program: Opening Chorus Merry Bells; Reading, Velma Martin; Song, Warren Hickox (encored); Dialogue, Courtship Under Difficulties; Exercise. Our Xmas Tree, Florence Noy; Viola Gamesier, Rhoda Bagnall, Velma Martin, Erma Bagnall; Solo Isabelle Cummings; Recitation, Raymond Curley; Ghorus, Jingle Bells; Monologue, Jean Cummings; Duet, "Holy Night," Miss Elsie Wood, Mrs. Robert Smith (encored); Recitation, "Parting Lovers," May Paul, John Ross; Chorus "Star of the East," Dialogue, "Deaf as a Post," Pantomime "Seven Stages of Life." The organists for the evening were Miss Ella Martin and Miss Ruth Dickson. Santa Claus then appeared and after making a short speech distributed gifts to all the children present; also the teachers and the pastor Rev. Mr. Stavert being remembered by Santa. The singing of the National Anthem brought a pleasant evening to a close.

MAKING MOSAICS AT ST. PETERS

VATICAN CITY, Feb. 3.—The Vatican mosaic works, one of the most unusual manufacturing plants in the world, are ready to begin to the Catholic University at Washington, D. C., their latest production, a copy of Murillo's "Immaculate Conception," valued at \$25,000.

Few tourists making the rounds of the Vatican galleries and St. Peter's know of the existence of the mosaic works almost beneath their noses. Yet the shop is one of the oldest in Rome, and one of the best known in the art groups of Europe.

Established by Pope Sixtus V three hundred years ago the mosaic works have done much to beautify Rome. There are many mosaics in St. Peter's, 356 portraits of the Popes in the church of St. Paul-Outside-the-Walls, scenes wrought in mosaic in the Pope's private studio, and scores of churches, all from this one plant. Few large cities in Europe are without one or two Vatican mosaics.

A visit to the plant is an education. Here one sees master craftsmen whose skill has been passed on to them through generations of fathers and grandfathers who were artists in mosaic before them. They are men of infinite patience in addition to skill, for a mosaic may take from one to two years to complete.

A few statistics help to explain. When the visitor is told that there are actually 27,000 different colors or shades of color from which the mosaicists must choose, and also when he is told that thousands of small pieces of material, first heated to an intense degree, are later inserted one by one into a special form each one being chosen meticulously for its shades of color, he will begin to understand why. One mosaic has been known to require twenty years for completion.

Use Minard's for Neuralgia.

Eastern Guardian

—"FOE" SALE.—One 4 1/2 H. P. Massey Harris Stationary Engine, in perfect condition. Apply, Joseph Lannigan, Montague. 1450-2-1-31.

—HOCKEY SPECIAL.—Hockey special for play-off game in Charlottetown Tuesday, February 4th will leave Summerside at 4 p. m. Return fare, \$1.70. This is the last hockey special of the season. 1479-21

—LAKEVIEW INSTITUTE.—The January meeting of Lakeview Institute met at the home of Mrs. Frank Rose, Lakeville and opened with the singing of the Institute Ode. Mrs. E. D. Fraser, vice president presided. Roll call was answered by "Suggestions for the New Year." School committees were re-appointed. A letter in regard to the Domestic Science Short Course in Charlottetown was read, and on motion it was decided that Miss Grace Dingwell be appointed to attend same. It was also decided that ten dollars of Institute Fund be used to buy magazines and books for the library. Program consisted of song by Miss Hilda MacDonald, reading by Mrs. Livingston Rose, reading by Mrs. Hudson Morrow, song by Mrs. Hudson Morrow and Grace Dingwell, reading by Mrs. J. E. Dingwell, recipe for carrot pudding was given by Mrs. Frank Rose. Meeting closed with National Anthem. Next meeting invited to home of Mrs. J. H. Baker. Roll call to be answered by a verse from some Canadian poet.

ARCHAEOLOGISTS BUSY IN FAR EAST

WASHINGTON, D. C., Feb. 3.—An expedition to unearth inscriptions which may throw new light on the history of the modern English alphabet to be conducted in conjunction with Harvard University was announced recently by the Catholic University of America.

The expedition which sailed on January 3, is composed of Professor's Lake and Blake of Harvard, and Rev. Dr. Romanus Butin of the Catholic University.

The archaeological search is to be carried on in the vicinity of the temple of Hathor on Mt. Serabit El-Khadem, in the Near East, where inscriptions have already been found which date back eighteen centuries before Christ.

Fragments were first discovered in 1905 by Sir W. M. Flinders Petrie who thought the inscriptions contained on them to be Egyptian. Translated into that tongue, however, they proved meaningless. The three professors embarked upon the present expedition, it was said, believe the character are of very ancient Phoenician or of some other ancient semitic tongue. Dr. Butin has asserted some of the tablets found near the temple contain the earliest alphabetical inscription known.

VITREOUS CLAY BRICKS LATEST BUILDING DISCOVERY

STATE COLLEGE, Pa., Feb. 3.—Bricks so enormous that two of them would about make the wall of a small bungalow were forecast today in the announcement of discovery of a new building material at Pennsylvania State College.

The announcement says that with this new material bricks may be made 20 feet long, five feet wide and six to eight inches thick. Their colors are expected to be red or buff. The surface of the small models which have been made in the laboratory resemble that of paving bricks. The material is a vitreous clay substance produced by Prof. Joseph B. Shaw and Myril C. Shaw of the ceramics department. Prof. Shaw is a leading scientist in ceramics. The financial backing for this research was supplied by U. S. Senator W. B. Pine of Oklahoma and the objective was to discover a new road paving substance.

Roads harder than concrete, cheaper than macadam and easier to build than either of them are promised in the new material. The paving material may be manufactured anywhere that deposits of clay or shale are found. The material weighs about 100 pounds per cubic foot. No name has yet been chosen for it.

FEED AND FEEDING DISCUSSED

By Mr. J. A. Clark, at Central Farmer's Institute.

"Cost of Feeds and Feeding and Profits from a Dairy Herd" was the subject of a very interesting paper read by Mr. J. A. Clark, Superintendent of the Experimental Farm at the Annual Meeting of the Farmer's Institute.

Last week your committee asked me to speak this afternoon on the subject which they assigned. In the limited time that I have had for this work I have prepared the following information. I trust, however, that you will feel free to ask any relative questions as I proceed.

Our first cow a grade Guernsey "Plum," freshened on June 2, 1913. Her feed, including pasture for that year cost \$80.71. She produced 7,887 pounds of milk in 278 days worth \$157.62, leaving a profit of \$76.91 over the cost of her feed. She freshened in the spring of 1914 on June 8, and was sold at the end of 10 months' milking period. She produced 6,645 pounds of milk in that time at a cost for feed of \$65.34. The profit for the period over cost of feed was \$63.09.

Two Ayrshire heifers were purchased early in 1915, and these were the beginning of the present herd at the Charlottetown Experimental Station. The foundation stock was all purchased from our island breeders. A number of valuable bulls have been introduced from time to time from the Central Farm at Ottawa. The daughters of three of these sires: Ottawa Ivanhoe, Ottawa Lord Kyle 8th and Ottawa Supreme 14, now form the milking herd at the Station.

Many of you have seen this herd, and I invite you all to visit the Station at this time, if you can, and see the herd in the new dairy barn.

FEEDS

Cost of feed varies so greatly that I do not know whether it will be possible to find a common basis for comparisons between what you pay and what they cost us. We always try to grow as much of the feed for the herd as we can. Previous to leasing the Dinnis property we had to buy a lot of oats. The prices paid during the summer months were usually higher than in the early winter when we had our own. I find that it has varied from 56c per bushel in 1925 to 86c in 1929. Bran has been purchased when we considered the market at about its lowest point during each season. It has varied from \$31.60 per ton in 1925 to \$37.00 per ton in 1928, the highest we have paid.

In 1929 we bought it at \$30.90 per ton. Oil cake meal cost us \$51.00 per ton in 1925 and \$58.00 in 1929, with a small quantity at \$62.00 per ton late in the summer. Cotton seed meal cost us \$55.00 in 1925, \$63.00 in 1928 and \$63.00 in 1927. We have not used any of this meal since the autumn of 1928. We have grown the mangels and turnips, which cost us about 10c per bushel to produce, for the stock. The cost of hay varies greatly, but has been charged to our stock at \$11.00 per ton for some years. Green feed is charged at \$4.00. Pasture has been charged at \$1.50 per month for each animal.

The meal mixture fed our milk cows on pasture in 1928 was 200 pounds bran, 200 pounds crushed oats, 75 pounds oilcake meal and 50 pounds cotton and seed meal; this cost \$2.25 per cwt. The mixture fed in the winter of 1928 was 200 pounds bran, 200 pounds crushed oats, 125 pounds of the young cattle, dry cows and bulls seed meal, costing \$2.23 per cwt. of oilcake meal and 25 pounds cotton received a mixture of 100 pounds bran, 100 pounds crushed oats and 25 pounds oil cake meal, costing \$2.18 per cwt.

During the present season the mixture fed were: 200 pounds bran, 200 pounds crushed oats and 150 pounds oil cake meal, costing about \$2.25 per cwt. When on pasture last summer, the mixture was 200 pounds bran, 200 pounds crushed oats and 100 pounds oil cake meal, costing about \$2.10 per cwt.

FEEDING

The cows are fed half of their grain ration at 6 a. m. in clean mangers. Immediately after milking they are given half of their roots (about 25 pounds of mangels). When they have cleaned these up, about 9 a. m. they are fed hay, about 6 pounds each, or a total of 12 pounds per day.

At 3 p. m. they receive their second feed of meal, followed by roots at 4 p. m. and hay just before milking, which is completed at 6 p. m. It is very important that cattle be fed and milked regularly and at the same hour for each feeding and milking. They don't require a watch or clock, but look for their feed and care at the same time each day. The amount of meal fed to the dairy cows is about 1 pound for each 3 to 4 pounds of milk produced per day. I have here the weekly feed records of every animal in our herd for 1929; it makes a file 8" x 13" by 3-4 of an inch thick.

Our present herd consists of 18 milking cows, two bulls and 25 head of young stock including 5 calves born since the first of December. We find that it takes two men most of their time to clean the stables, prepare the feed, look after the cattle and the milk each day. In figuring costs we have allowed the manure and the value of the calves to offset the cost of labour. The manure is difficult to value. Hall in his book "Fertilizers and Manures," Chapter VII, suggests that ordinary barnyard manure will vary in cost from 7c to 12c per ton (\$1.75 to \$3.00). Hopkins suggests a value of \$1.85. We buy what we can get in the city of Charlottetown at 80c per cart load, which will weigh about 1200 pounds, or about 33c per ton. It has been estimated by Mumford that a 1,000 pound steer in six months will make from 3 to 4 tons of manure. A dairy cow on heavy feed would then probably produce over 8 tons of manure in a year. The average amount of feed eaten last year per cow was over 2 tons, in addition to 5 months on pasture. The calf in a good herd should be worth, on an average, at least \$20.00.

Leaving the manure and calves then to pay for the labour, the cows in the Experimental Farm herd have shown average profits per cow as follows:

Table with columns: Cows, Year, Profit. Rows include 6 cows in 1920 (profit \$94.09), 5 in 1922 (143.11), 6 in 1923 (109.78), 5 in 1924 (125.11), 6 in 1925 (101.23), 4 in 1926 (91.81). Summary: All Cows 1927 (\$4.42), 1928 (\$8.85), 1929 (\$8.41). All Cows in Herd 65 cows 8-yr. av'ge (98.86), 33 cows 3-yr. av'ge (87.72).

PROFITS

There are a great many problems in connection with the profitable management of a dairy herd that I have not touched upon. I suggested that you ask questions during my talk. Those who have so far not asked any questions may wish to take part in the discussion which I understand is to follow my talk.

In summing up I would recommend, for economical milk production, that good cows should be secured. They are the first essential in producing milk cheaply. Feed about all the roughage (such as clover hay) that a cow will clean up. Feed a succulent feed, either roots, cull potatoes or silage. Feed a balanced ration, that is, enough protein or tissue building foods to balance the energy supplying foods. The dairy cow requires food for two purposes, maintenance of her body and for the production of milk. Protein and energy producing foods (carbohydrates and fat) are required for both. The amount of milk and the per cent of fat in the milk will affect the balancing of a ration. A cow

as seconds count in RACING...



... so "Buckley's" needs only seconds to relieve that SORE THROAT

TAKE it straight and let it trickle down the throat; or dilute it in warm water, then gargle and swallow—either way brings speedy relief for sore throat.

Buckley's Cough and Cold Mixture is different from anything else. Different formula. Looks different—nothing like the ordinary sticky cough syrup. Smells different—a penetrating, aromatic odor that clears the head. Tastes different—an agreeable, warm, strong, stimulating taste. A different action—super-speedy, invigorating and fortifying.



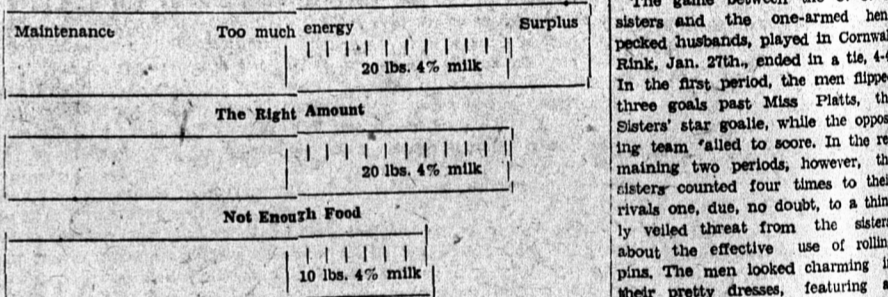
For sore throat, hoarseness, throat tickle, coughs, cold, bronchitis, Buckley's Cough Mixture brings quick relief. Two sizes: 75c (40 doses)—40c (16 doses). Every druggist sells "Buckley's".

If your cold is already severe and accompanied by fever, headache or neuralgia take LAXPYRIN and speedy relief will follow.

BUCKLEY'S MIXTURE Acts Like a Flash - A SINGLE SIP PROVES IT

During this week your druggist (druggists everywhere) are making special efforts to interest you in Buckley's Mixture.

giving 10 pounds of milk a day requires a much wider nutritive ration, or about 1: 6.7, according to the Wolf-Lehmann standard, than a cow giving about 30 pounds of milk per day, for this amount they recommend a nutritive ratio of 1: 4.5. On the other hand, a cow giving the same quantity of 8 per cent milk, which contains much fat or butter, would require a wider nutritive ratio than one that gave 3 per cent milk. To show what becomes of the food eaten, the following diagram from Prof. Keeney's bulletin No. 127 New Jersey, is used to illustrate maintenance, milk production and stored energy:



Grain should therefore be fed according to milk production. 1 lb. of grain for every 3-4 lbs. of milk produced per day. Imitate as nearly as possible June pasture conditions. Close grazing has greatly increased the protein content of pasture grass. Milk and feed regularly. See that your cows always have an abundance of pure water. They should have a chance to get salt every day or whenever they require it. In buying feeds remember that it is the protein content that makes a feed most valuable. Values cannot be based on the cost per cwt. J. E. DINGWELL, Pres. PETER BRODIE, Vice Pres. C. E. MCKENZIE, Secy-Treas.

CARNIVAL AT CORNWALL

A clear frosty night, splendid sheet of ice and a jolly crowd of skaters, formed an ideal combination for the carnival on the 20th. Mrs. Hazen Howard, Mrs. Geo. McDonald and Miss Emily Platt, kindly acted as judges and prizes were awarded as follows. Most artistic: Ist. "Miss Canada," Doris Stockman. 2nd. "Red Riding Hood," Ruth Ladner. Most comical: Ist. "Spark Plug," being the centre of attraction. Barney attended well to his duties, even bringing his horse to drink, but more than the proverbial seven men were required to make him do so. Mrs. Hazen Howard, Mrs. Geo. McDonald and Miss Emily Platt, kindly acted as judges and prizes were awarded as follows. Most artistic: Ist. "Miss Canada," Doris Stockman. 2nd. "Red Riding Hood," Ruth Ladner. Most comical: Ist. "Spark Plug," being the

BRINGING UP FATHER

Comic strip panels with dialogue: "WELL THANK GOODNESS I'VE GOT ALL OUR BILLS PAID-I DON'T OWE ANY ONE A DIME AN' I'M GOIN' TO STAY THIS WAY." "VERY GOOD. MRS. JIGGS' I'LL HAVE EVERYTHING READY TO SHOW YOU IN A WEEK." "THAT WILL BE JUST LOVELY- GOOD DAY." "WHO WUZ THE OLD ROMEO THAT JUST LEFT?" "THAT'S MR. DIGGER BUILD. HE'S HAVIN' GAIN DRAW US SOME PLANS." "I'VE DECIDED THAT WE WANT TO BUILD A HOUSE."

By George McManus