





# HIGH SCHOOL STATISTICS LEADING MARKETS TRUSTED TELLER'S HAUL

## Seven Hundred and Nineteen Teachers at the Present Time.

The second part of the report of the Ontario Education Department, issued the other day, shows that there are seven hundred and nineteen High school teachers in Ontario at the present time. Of these 28.65 per cent. are women. The percentage of women to the total number of teachers has been steadily increasing in late years. In 1904 it was 21.2 per cent., in 1905 23 per cent., and in 1906 25.8 per cent. The highest salary paid is \$3,500. The average in Collegiate Institutes is \$1,176, which is \$51 higher than last year. The average in High schools is \$975, an increase of \$42 over last year. The average salary for men assistants is \$1,091, an increase over last year of \$68. The average for women assistants is \$762, which is higher than last year by \$39.

### TECHNICAL TRAINING.

The greater part of this section of the report is taken up with the report of the inspector of technical education and the report of the inspector of continuation classes. In regard to technical training, Mr. A. H. Leake, the inspector, says: "The introduction of art, nature study, and constructive work should do, and are doing, much to give a more practical trend to Public school education, but a curriculum of paper without efficient teachers is of little value. From observation and correspondence I am forced to the conclusion that a large number of our

teachers are without the necessary knowledge to enable them to teach these subjects. A small departmental grant would encourage their introduction. This would only need to be continued until they were firmly established, and their value recognized. To give to the teachers the knowledge lacking, steps such as the following might be taken:—1. The issue of bulletins by the department. 2. Establishing centres of instruction. 3. Encouraging correspondence regarding difficulties. 4. The institution of small circulating libraries containing (say) twenty of the best books on these subjects, accompanied by a brief explanatory pamphlet.

"Up to the present our educational system has concerned itself almost entirely with preparation for college life and the so-called learned professions, and those who have neither the inclination nor the opportunity to take up either have been neglected and not considered fit subjects for educational effort. Every interest in the province demands consideration and schools of the following classes are required:—1. Agricultural High Schools or classes. 2. Technical High Schools or classes. 3. Commercial High Schools or classes. 4. Academic High Schools."

A number of recommendations are also made in reference to continuation classes requisite, it is claimed, "to bridge the gulf between the rural school and the Ontario Agricultural College."

### TURNKEY KNOCKED SENSELESS.

Desperate Attempt to Escape from Chatham Jail.

A despatch from Chatham says: Arthur Smith, of Knox, Penn., and Edwin Baldwin, of Wainsfield, Ohio, on Thursday made a desperate attempt to break jail, by which the turnkey, Christopher Somerville, nearly lost his life. Both men were arrested on Tuesday, in Tilbury, a few miles west of here, for forgery and the uttering of two forged cheques for small amounts on the Sovereign Bank of Tilbury. They were arraigned before Judge Bell here on Wednesday, when they pleaded guilty and were remanded for one week for sentence. Early Thursday morning, while the turnkey was making his rounds, he entered their cell. He had laid the heavy lock on the floor while he undid another fastening. One of the prisoners seized the lock and with it struck the turnkey a terrible blow on the head, knocking him senseless. Governor Davidson, hearing the disturbance, rushed in, and unarmed, wrested the lock from the assailants, at the same time calling for assistance. When it arrived the men were easily transferred to safer quarters. The turnkey will recover.

### MISSING WITH MILLION.

German Bank Manager Brings Ruin Upon Thousands.

A despatch from Berlin, Germany, says: It developed that last week's bank failure at Marienburg, due to the defalcation of the manager of the concern, was more serious than at first reported. The losses are now said to total about \$1,000,000. Thousands of small depositors lost their savings and many tradesmen were ruined. It was rumored on the Berlin Bourse during Thursday afternoon that a private bank at Danzig had been affected by the Marienburg failure, causing a drop of two points in its shares. The feeling of uneasiness caused by the Marienburg failure and the report from Danzig was increased by the announcement of the arrest at Anklam, Pomerania, of Herr Knorr, a banker, on the charge of embezzling \$100,000.

## DISAFFECTION IN INDIA

### Has Spread Among Landholders, Peasants and Coolies

A despatch from London says: Indian despatches represent the trouble in India as in nowise over, but as rather increasing. A correspondent, who has returned to Calcutta from three tours of the most disaffected districts in Bengal, telegraphs that the seriousness of the situation is hardly realized by the Europeans in India or at home. A few years ago the discontent was confined to a few pleaders and clerks, but now it has spread among the landholders and the Bengal aristocracy, as well as among the peasants and coolies. In the Barisal district committees of safety, after those called into existence during the French revolution, have been formed. These committees hold judicial enquiries, summon witnesses and punish offenders. The Government has exhausted its reserve of police and has borrowed companies of Gurkhas from Assam and military police from the Provinces. These are posted in

### CROPS IN SASKATCHEWAN.

Increase in Acreage of Every Cereal Sown—Comparative Figures.

A despatch from Ottawa says: C. C. Castles, warehouse commissioner at Winnipeg, reports to the Department of Trade and Commerce that the acreage of grain crops in Saskatchewan for the present season compared with the past is as follows:—

|              | 1907.     | 1906.     |
|--------------|-----------|-----------|
| Wheat .....  | 1,965,774 | 1,730,586 |
| Oats .....   | 764,170   | 639,875   |
| Barley ..... | 60,905    | 53,565    |
| Flax .....   | 86,483    | 70,005    |
| Speltz ..... | 874       | 768       |

The increase in wheat is 13.07 per cent.; in oats, 19.42 per cent.; in barley, 15.87 per cent.; in flax, 15.78 per cent.; and in Speltz, 13.41 per cent.

The number of acres sown in Manitoba is as follows:—Wheat, 2,789,553; oats, 1,215,596; barley, 649,570; flax, 25,915.

### "SOO" TRAFFIC 17,788,319 TONS.

June Returns Show Nearly Three Million Increase.

A despatch from Sault Ste. Marie says: June traffic through the "Soo" ship canals broke all records and brings the season's total to date up to 17,788,319 tons. This is slightly under three millions greater than for the same period last year. The total for June was 8,865,442 tons, over a million tons increase over May. Heavy traffic was noted in ore, grain and coal. Of the total tonnage, 7,033,626 was eastbound and 1,831,816 westbound. It is expected that July and August will show still heavier traffic.

### GOLD NEAR KENORA.

Considerable Excitement by Finding Fine Sample.

A despatch from Kenora says: Considerable excitement was aroused here by the finding of a fine sample of gold-bearing quartz on Mackays or the old Menzie Island. Free gold is also said to have been discovered in that vicinity.

### BREADSTUFFS.

Toronto, July 9.—Wheat—Ontario—Firm; inclined to vary on small transactions; No. 2 white, 88c to 89c; No. 2 red, 88c to 89c. Wheat—Manitoba—Sellers quote No. 1 hard 99c; No. 1 northern, 97c; No. 2 northern, 95c. Corn—Firm; No. 2 yellow, 61c to 61½c. Barley—Nominally quoted No. 2 55c, No. 3 extra 54c. Rye—Dull, around 70c. Buckwheat—60c. Flour—Ontario—90 per cent. patents, \$3.40 bid, \$3.60 asked. Manitoba first patents, \$4.75; seconds, \$4.20 to \$4.25; bakers', \$4.05 to \$4.10. Bran—\$17 to \$17.50, outside; shorts, about \$19, outside.

### COUNTRY PRODUCE.

Butter—Market is steady, and supplies are heavy, and demand good. Creamery prints ..... 20c to 21c do solids ..... 19c to 20c Dairy prints ..... 17c to 18c do solids ..... 17c to 18c Cheese—12½c for large and 12½c for twins, in job lots here. Eggs—17c to 17½c per dozen, in case lots. Beans—\$1.65 to \$1.70 for hand-picked and \$1.50 to \$1.55 for primes. Potatoes—Delaware, \$1.25 to \$1.30, in car lots on track here. Ontario, \$1.10 to \$1.15. Baled Hay—\$15 to \$15.50 for No. 1 timothy; No. 2, \$12.50. Baled Straw—\$7 to \$7.25 per ton in car lots on track here.

### PROVISIONS.

Dressed Hogs—Nominal at \$9.50 for lightweights and \$8.75 to \$9 for heavies, farmers lots. Pork—Short cut, \$22.75 to \$23 per barrel; mess, \$21 to \$21.50. Smoked and Dry Salted Meats.—Long clear bacon, 11c to 11½c for tons and cases; hams, medium and light, 15½c to 16c; heavy, 14½c to 15c; backs, 16c to 17c; shoulders, 10½c to 11c; rolls, 11c; out of pickle, 1c less than smoked. Lard—Steady; tierces, 12c; tubs, 12½c; pails, 12c.

### MONTREAL MARKETS.

Montreal, July 9.—Oats are steady under fair demand, and sales of Manitoba No. 2 white were made at 49c; Ontario No. 2 at 48½c to 49c, No. 3 at 47c to 48c, and No. 4 at 46½c to 47c per bushel, ex store. Flour—Market also keeps firm. Choice wheat patents, \$5.10 to \$5.20; seconds, \$4.50 to \$4.60; winter wheat patents, \$4.85; straight rollers, \$4.10 to \$4.25; do in bags, \$1.90 to \$2; extras, \$1.60. Manitoba bran in bags, \$21; shorts, \$23 per ton; Ontario bran in bags, \$18.50 to \$20; shorts, \$22 to \$22.50; milled mouille, \$24 to \$28 per ton, and straight grain, \$30 to \$32. Rolled Oats—Prices are steady at \$2.25 to \$2.27½ per bag, and for cornmeal \$1.45 to \$1.50. Baled Hay—Prices show no change. No. 1, \$16 to \$16.50; No. 2, \$15 to \$15.50; clover, \$13.50 to \$14; clover mixed, \$12.50 to \$13 per ton in car lots. Official quotations for butter are:—Townships, 20½c to 21c; Quebec, 20½c to 20c; Ontario, 20c; dairy, 17c to 18c. Receipts to-day were 2,385 packages. Cheese—Ontario, 11½c to 11c; Quebec, 11c; townships, 11c. Receipts to-day were 26,633 boxes, an extremely large supply accounted for by the recent holiday. Weak tone of market was continued. In the egg market wholesale lots were at 16½c, and small lots 17c. Barreled Pork—Heavy Canada short-cut mess in tierces, \$32 to \$32.50; heavy Canada short-cut mess in barrels, \$22 to \$23.50; selected heavy Canada short mess, boneless, special quality, \$23 to \$23.50; Canada short-cut back, \$21.50 to \$22; light Canada short-cut clear, \$20.50 to \$24.50; Canada short-cut mess in half barrels, \$11.25 to \$12.50; Canada short-cut backs, \$11 to \$11.50. Lard—Compound, 10c to 11c; pure lard, 12c to 13c. Prices are steady. The same good demand continues for all smoked meats. Hams, 25 pounds and upwards, 14c; do 18 to 25 pounds, 14½c to 15c; do 12 to 18 pounds, 15c to 15½c; do 8 to 12 pounds, 16c; do large hams, bone out, rolled, 16c; do small, 17c; English boneless breakfast bacon, 15c; do thick, 13½c; Windsor bacon, backs, 16c; spiced rolled bacon, boneless, short, 14c; do long, 14½c to 15c; Wiltshire bacon, 50-pound sides, 14½c to 15c.

### BUFFALO MARKET.

Buffalo, July 9.—Flour—Strong. Wheat—Spring, strong; No. 1 Northern, \$1.03½; Winter dull; No. 2 white, \$1.02. Corn—Firm; No. 2 yellow, 59c; No. 2 white, 59c. Oats—Steady; No. 2 white, 47c; No. 2 mixed, 45c. Barley—Nothing doing. Rye—No. 1 offered 89c c.i.f. Canal freights unchanged.

### CATTLE MARKET.

Toronto, July 9.—There was a fair demand for good to choice export cattle, and as the supply was none too ample, prices were better all round. Good stockers are wanted, but poor stuff will not sell. The demand for milch cows is just now very easy. 4½c to 5c per pound. Sheep sold fairly well; good to choice export ewes are worth from 4½ to 5c per pound; bucks and culls from 3 to 4c per pound. Calves are unchanged at from \$5 to \$10 each. Good calves are wanted.

## He Put \$96,317 in a Suit Case and Said Good-bye.

A despatch from New York says: Detectives throughout the United States are searching for Chester B. Runyan, paying teller of the Windsor Trust Company, who, the directors allege, is missing, with \$96,317 in cash. George W. Young, a director of the trust company, confirms the reports of the defalcations, which the detectives say is one of the most remarkable ever reported. Runyan is accused of having placed \$96,317 in currency in a suit case last Saturday, and, after shaking hands with his banking associates, left the

trust company. Since then he has not been seen. Runyan, it is said, did not even go to his apartment to bid good-bye to his wife, to whom he had been married for five years. He is said to have taken all the cash available in the bank last Saturday. The directors, it is stated, have made up all the loss of the defalcation. Runyan was a man of exemplary habits, so far as known, and his conduct was such as not to arouse any suspicion. When the auditors went over his accounts on May 1 they were found to be all right.

### VICTIM OF FLIM-FLAMMER.

Old Trick Was Worked at St. Catharines Post-office.

A despatch from St. Catharines says: An unknown man on Friday appeared at the stamp counter in the post-office and asked Miss Ethel Haynes, stamp vendor, for change for a \$20 bill. Miss Haynes said she had a ten and two fives, and the stranger, posing as a one-armed man, the other hand being in his pocket, asked her to put them in an envelope and seal it. This done, the stranger counted out \$19.75, and finding that he was short 25 cents, handed Miss Haynes back what she thought was the same envelope, while he went out to get the other quarter. On his not returning the envelope was found to contain nothing but two sheets of blank paper.

### BUILDING NEW JAILS.

Money Granted by Government for New Ontario Judicially Spent.

A despatch from Toronto says: Dr. Bruce Smith, Jail Inspector, has just returned from a tour of inspection of the jails in New Ontario, and states that the grant of \$100,000 voted at the last session of the Legislature for the building of new jails and improvement of others in that district was being judiciously expended. New jails are being built at Gore Bay, Sudbury, Port Arthur and Fort Frances, while improvements are being made to the "Soo" jail and the one at Kenora. The work is being somewhat hampered by the overcrowding of the jails in the district with laborers who are working on the double tracking of the C. P. R.

### MANY BY-LAWS CARRIED.

Progressive Port Arthur Undertaking Some Big Things.

A despatch from Port Arthur says: Thirteen by-laws were voted on on Wednesday and adopted by a majority vote. These included the construction of two concrete and steel bridges, the purchase of street cars, the expenditure of \$60,000 for improvements to the Current River, extension of the waterworks \$253,000, for the erection of a police station, for double-tracking the street railway for seven miles, the establishment of an incinerating plant, for the erection of new car barns and the isolation hospital and for park improvements. About \$60,000 was called for by the various by-laws. A plebiscite on development of Dog Lake Falls revealed an affirmative response, while the proposal to purchase land for a fair ground was rejected. The vote was small and little interest was taken.

### FRENCH SOLDIERS MUTINOUS.

Men Drafted for Service in Africa and Corsica as Penalty.

A despatch from Paris says: Reports of mutinies among regiments encamped at Larzac have been common during the last week. They have always been met by official denials and the production of commanding officers' reports that all was well in the camp. That this was not altogether true is shown by an official statement on Wednesday to the effect that about a hundred men belonging to the 100th Regiment were being sent away to be distributed among other regiments. It is officially said that eleven of them have gone to Marseilles, whence they will be transferred to Corsican and African stations.

### GUNBOAT ON GREAT LAKES.

Great Britain Has Given Permission to the United States.

A despatch from Washington says: The State Department has received the assurance of the British Government that there will be no objection to the request of this Government in sending the gunboat Don Juan de Austria to the Great Lakes, where she will be used for cruising purposes by the naval militia.

### A DISAPPOINTED LOVER.

Winnipeg Suicide is Identified as a Wealthy Farmer.

A despatch from Winnipeg says: The Central Park suicide has been identified as Israel Scott, a wealthy farmer of Eglin, Man., who was disappointed in a love affair about three months ago, and has since been spending his time in the city without employment.

### STEAMER MOUNT ROYAL WRECKED.

Six Members of Crew Drowned, Including First Officer, Purser and Steward.

A despatch from Victoria, B. C., says: The Hudson's Bay Company's stern-wheeler Mount Royal, plying on the Skeena, was a complete loss by wreck on Saturday afternoon. Captain Johnson and all the passengers were saved. Six of the crew were drowned. The dead are:—W. M. Lewis, first officer; James O'Keefe, purser; A. Willis, steward; B. Frayne, fireman; a Japanese carpenter and a Japanese deckhand. Indians with canoes did good service in the work of rescue.

Meagre details were received Saturday night of the loss of the Hudson's Bay steamer Mount Royal, operating on the Skeena River between Port Eslington and Hazelton. The vessel struck while negotiating the dangerous rapids in the worst part of the river at Kilselas Canyon, and sank almost immediately.

### EXPRESS TRAIN WRECKED.

The Fireman Killed and Engineer is Badly Scalded.

A despatch from Rainy River, Ont., says: A train wreck occurred on Friday night on the Canadian Northern, six miles east of here. The wrecked train was No. 2 Express eastbound, and was in charge of Engineer W. Hamilton and Conductor McGeah. Six miles east of Rainy River the locomotive struck three cattle, which were lying on the track, derailing the engine, mail and baggage cars and the first and second-class coaches. The sleepers and dining car did not leave the rails. Engineer Hamilton was badly scalded, but his injuries are not expected to cause death. Fireman Vance was so badly injured that he afterwards died in the hospital.

### THE YEAR'S SURPLUS.

Balance on the Right Side of Canada's Books \$16,000,000.

A despatch from Ottawa says: The returns of revenue and expenditure for the fiscal period of nine months, which closed March 31st, have been practically all received by the Finance Department, and it is now possible to determine the amount of the surplus for the last fiscal period. It is almost sixteen and a half millions. The revenue amounted to \$67,969,328, and the expenditures of revenue amount to \$51,942,161, leaving a difference on the right side of the Government books of \$16,027,167. The expenditure on capital account during the period was \$14,234,025, leaving \$2,192,542 for the reduction of the Dominion debt.

### SLEEPWALKER'S DEATH.

Climbed to Window of Industrial School and Jumped.

A despatch from Montreal says: Antoine Robert, the 15-year-old son of Chief of Police Robert, of Lachine, while walking in his sleep on Saturday night, climbed to a window of the Monk's Industrial School at Oka and jumped out of the window to the ground, a distance of 45 feet. While walking in the garden in the morning one of the monks found the lad's dead body clad in a night shirt lying close to the school wall. His skull was fractured and death must have been instantaneous.

### PLANTING TREES ON PRAIRIES.

Active Campaign of Education Going on in the Northwest.

A despatch from Ottawa says: An active campaign is going on in the Northwest in favor of tree propagation and tree preservation. The officials have been busy getting the established farmers and the new settlers on prairie lands to plant trees.

### GRAIN IS GROWING FAST.

C. P. R. Report of Western Crops—Weather is Favorable.

A despatch from Winnipeg says: The weekly crop report was handed out by the C. P. R. officials on Thursday morning, and indications all along the line are to the effect that the wheat and other grains are growing fast under favorable weather conditions. There has been plenty of rain in most districts, but several need more showers. The grain is up 16 to 18 inches in some places.



### HOW MUCH IS HABITABLE.

Ernest Thompson Seton Says Hundreds of Miles Farther North.

That the suitability of all portions of the west for agricultural purposes is to be tested in the immediate future is apparent from some of the reports of settlement sent in within the last few months. From Edmonton, for instance, scores of families have left on the long trek to Athabasca Landing and from that point onward to the Peace River country, and the vast area to the west, east and north.

A report is made from the heart of the Rocky Mountains to the effect that a considerable number of cars of settlers' effects were delivered during the past nine months at Selmon Arm, a station on the main line of the Canadian Pacific railway, about half way between Banff and the coast. A similar number of cars and settlers' effects were delivered in the same interval at Kamloops.

Hundreds of thousands of people who contemplate actual settlement are making the most careful scrutiny of all the existing maps with the view of securing information regarding sections of the country which are open for homesteading and worth acquiring. The agents of the Government are daily furnishing informative literature. The result of this activity is that the available locations are being discovered in parts not heretofore regarded as fit for settlement.

On the subject of the proportion of the area of the west which is fitted for human habitation a considerable difference of opinion exists. Ernest Thompson Seton recently expressed the conviction that settlement would be made in districts four hundred miles to the north of any existing or contemplated railway.

Whether the country is permanently settled or otherwise, it is apparent from what has transpired during the past ten years, that there will remain eventually no portion of the west which has not been actually tested as the permanent abode of the white race. With the very rapid increase of population in the countries from which the present emigration to Canada is proceeding, it has become not a question of living in great comfort in the most favored portion of the world, but a question of sustaining life anywhere.

### NERVOUS INDIGESTION.

A Severe Case Cured by Dr. Williams' Pink Pills.

"I suffered so much from nervous dyspepsia that I feared I would become insane," says Mrs. Alfred Austin, of Varney, Ont. "For months," says Mrs. Austin, "I was prostrated with this trouble. I got so bad I could not eat a mouthful of food without it nearly choking me. I was affected with such terrible feelings of dizziness and nausea that I had to leave the table sometimes with just two or three mouthfuls of food for a meal. My nerves were all unstrung, and I grew so weak that I could not even sweep the floor. In fact, my nerves affected me to such an extent that I feared to be left alone. I could not sleep at nights, and used to be awake until I feared my reason would leave me. I was taking medicine constantly, but it did not do me a bit of good. I had used Dr. Williams' Pink Pills on a former occasion with good results, and at last I determined to try them again. I can say nothing better than that these pills have been a blessing to me, as they have made me a well woman. Every trace of the indigestion is gone, and my nerves are as strong and sound as they were in girlhood. Now I can eat anything that is on the table, and I get sound refreshing sleep at nights. All this I owe to the faithful use of Dr. Williams' Pink Pills, which I shall never cease to praise."

Dr. Williams' Pink Pills fill the veins with new, rich, red blood. That is why they strengthen the nerves and every organ in the body. That is why they cure all troubles due to bad blood or weak, shattered nerves, such as anaemia, with its grinding, wearing backaches, headaches and sideaches, rheumatism and neuralgia, heart palpitation, indigestion, St. Vitus dance, partial paralysis, kidney troubles, and those special ailments that render the lives of so many women and growing girls a burden. But you must get the genuine pills with the full name, "Dr. Williams' Pink Pills for Pale People," on the wrapper around each box. Sold by all medicine dealers or by mail at 50 cents a box or six boxes for \$2.50 from The Dr. Williams' Medicine Co., Brockville, Ont.

### WHY DID THE COMPANY SMILE.

A pessimistic young doctor publicly deplored the impossibility of getting rich, and the difficulty of earning a decent living in the medical profession, without incessantly burning the candle at both ends.

"Stuff and rubbish, my lad!" a boastful old doctor cried. "There's as much money to be made now, in spite of competition, as ever there was. Take my case, for instance. I've lots of patients and I'm making money quick; but do I look overworked? Do I ever seem pressed for time? Have I not always plenty of leisure?"

"You certainly take life easily," the pessimistic young doctor replied, smoothly.

Then the company smiled, and the boastful doctor fell into a train of thought.

### MANY TURN-DOWNS.

Nena: "You may not believe it, but I said 'No' to seven different men during the past winter."

Gertie: "Oh, I don't doubt it. What were they selling?"

## Stops Colic

—and all stomach and bowel disorders. Makes pesky babies plump and rosy. Proved by 50 years' successful use. Ask your druggist for it.

Nurses' and Mothers' Treasure

—25c.—6 bottles \$1.25.

National Drug & Chemical Co., Limited Montreal.

## HOPE FOR BALD HEADED

MAY BE CURED IF THEY BREATHE CORRECTLY.

Anxiety Need Not Now Weigh Heavily Upon the Unadorned Pate.

Ordinary baldness is considered the consequence of inadequate chest breathing, in a recent paper by Dr. D. M. Parker, lecturer at the Detroit College of Medicine. The inadequate chest breathing allows a poisonous substance to develop in the lungs. This poisonous substance circulates in the blood. The roots of the hair are an indirect result of their situation over the cranium; but this deprivation is directly entailed by the poison generated in the upper chest, the circulation of the consequent poison through the body and the starvation of the hair roots because the flow of their normally scanty nourishment is thus totally checked. Dr. Parker has studied this hypothesis of his for years, treating baldness and experimenting on animals.

### INADEQUATE BREATHING.

Inadequate upper chest breathing leaves residual air undisturbed in the air cavities of a portion of the lungs. The residual air in any portion of the lungs that is not made use of for breathing purposes must necessarily lie undisturbed in the lung cavities. The residual air left in the lungs by inadequate breathing is warm, and it is saturated with moisture. Whenever residual air or, what is the same thing, expired air, is kept chambered in the presence of warmth and moisture it invariably undergoes change, and develops a soluble poison that is capable, when present in the normal blood, of exerting a disturbance so far as concerns hair growth.

### ACTION OF POISON.

It might be thought strange that a poisonous substance, circulating in the blood should limit its destructive action to the hair on the top of the head. This is explained by Dr. Parker's statement that the roots of the hair on the top of the head, lying over the hard, glistening, and practically bloodless occipital frontal aponeurosis, are deprived of the nourishment that the roots of the hair of other portions of the head and of the face derive from the soft, blood-saturated tissue with which they are in close relationship. As a result, the hair roots of the top of the head are of comparatively low vitality, and yield readily to the action of the poison.

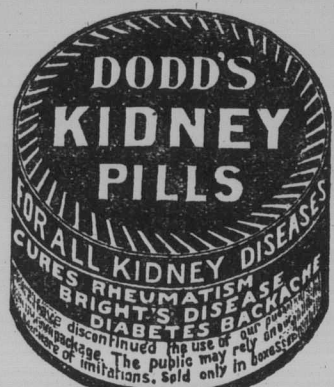
### SIX WEEKS' CURE.

Observation applied to thousands of persons affected with common baldness developed, in Dr. Parker's experience, not a single exception to the rule that persons afflicted with common baldness do not employ upper chest breathing, and those not afflicted with common baldness do employ upper chest breathing. Moreover, persons suffering from ordinary baldness find a remedy in the practice of upper chest breathing. After one week dandruff entirely disappears. The hair begins to lose its dryness and harshness. In six weeks new hair begins to make its appearance. It is very fine, and first manifests itself at the edges of the bald spot. Craniums that had been bald for twenty years have developed hair after an amount of upper chest breathing. Of course, the practice must be steady and uninterrupted or there will ensue a relapse.

France has a nine-hour day for miners, but will have an eight-hour day in four years from now. In Belgium most miners work ten hours a day.

First Lieutenant: "How do you like the horse you bought from me last week?" Second Lieutenant: "Very much. He might hold his head a little higher, though." First Lieutenant: "Oh, that will come all right when he is paid for."

The barber's face must be his shaving mug.



ISSUE NO. 28-07.

## Saves Time

Celluloid Starch needs no cooking—just cold water and 'tis ready. 'Twon't stick, yet gives a better gloss, with less iron-rubbing, than any starch you know. Its price is little. Your dealer sells it. Try it this week.

## Celluloid Starch

### THE DIFFERENCE.

"What's the difference between a person with no sense of humor and a thief?" "Give it up."

"One takes things literally and the other literally takes things."

The never failing medicine, Holloway's Corn Cure, removes all kinds of corns, warts, etc.; even the most difficult to remove cannot withstand this wonderful remedy.

Bertie—"Pa, a little stream is a streamlet, isn't it?" Pa—"Yes, Bertie." Bertie—"Well, pa, is a cutlet a little cut, and a hamlet a little ham, and a gimlet a little gim, and a pamphlet a little pamph?" Pa—"Oh, go away Bertie; I want a little quiet." Bertie—"Well, why didn't you say you wanted a quietlet?"

### SEWING-MACHINE NEEDLES

For all makes of machines at Five Cents per package, and everything else pertaining to sewing machines at greatly reduced prices. Look for the Red S. Singer Sewing Machine Co. Write us at Manning Chambers, Toronto, for set of Bird Cards free.

### GOOD ADVICE.

"Yes," said the red-eyed clerk, "I'm a little late this morning, the midnight oil, you know."

"Indeed?" interrupted his employer, "oil, eh? Well, the next time you paint the town I'd advise you to use water colors exclusively."

Mother Graves' Worm Exterminator does not require the help of any purgative medicine to complete the cure. Give it a trial and be convinced.

"George," murmured the young wife, "am I as dear to you as I was before we married?" "I can't exactly tell," replied the husband absent-mindedly. "I didn't keep any account of my expenses then."

The Greatest Tonic is "Ferrovin." It is pleasant in taste and contains just the nourishment and strength-giving qualities that are needed by those who are sick and weakly.

Australia holds an odd record. For nearly a thousand miles along her south coast not a single stream reaches the sea.

It Has Many Offices.—Before the German soldier starts on a long march he rubs his feet with tallow, for his first care is to keep his feet in good condition. If he knew that Dr. Thomas' Electric Oil would be of much better service he would throw away his tallow and pack a few bottles of the Oil in his knapsack. There is nothing like it.

### NO FLIES ON HIM.

A young couple were observed as soon as they entered a railway carriage, and immediately put down as a bridal pair. But they were remarkably self-possessed, and acted just like old married folk, so that after a short time the other passengers began to doubt their belief, after all.

As the train moved out, however, the young man rose to remove his overcoat, and a shower of rice fell out. The passengers smiled broadly. But even that did not affect the youth, who also smiled, and, turning to his partner, remarked audibly:

"By Jove, May, I've brought away the bridegroom's overcoat!"

### A SLIGHT AMENDMENT.

The face of the young man was rueful, and the lawyer he was interviewing looked exceedingly grave. It was a clear case of breach of promise, and the man of law could see nothing but heavy damages as the ultimate outcome. And he lectured to some purpose to the young man, who waxed restive.

"Oh, yes," he said impatiently, "I know all about it! The same old song—'Do right, and fear nothing!'"

"No, no! that's not it at all," said the lawyer, smiling shrewdly. "What I meant to impress on you was 'Don't write, and fear nothing!'"

### DISCHARGED WITH A CAUTION.

A laborer was charged with a petty offence.

"Have you anyone in court who will vouch for your good character?" queried the judge.

"Yes, sir, there is the chief constable yonder," was the reply.

The chief constable was amazed.

"Why, your honor, I don't even know the man," protested he.

"Now, sir," broke in the accused, "I have lived in the town for nearly twenty years, and if the chief constable doesn't know me yet, isn't that a character for you?"

### AH! THAT'S THE QUESTION.

Mr. Rentall was annoyed with Mr. Shorter. It was not only that Mr. Shorter never paid his rent—though that was bad enough—but he was extremely cool about it. Another Monday morning had come, and once more Mr. Shorter was "sorry, but he'd have to beg Mr. Rentall to excuse him for the time."

The long-suffering landlord's patience was at last worn out.

"Look here," he cried, "you're precious off-handed about it; but how on earth do you expect me to live if you don't pay your rent?"

Mr. Shorter smiled the surprised smile which cheers not but exasperates.

"That, my dear sir," he said softly, "is to my thinking, somewhat beside the point. The question is, rather, how do you expect me to live if I do?"

### MIGHT LAPSE.

Harold: "Do you think you could learn to love me?"

Miss Sharpe: "Yes, but I'm awfully forgetful."

No one need fear cholera or any summer complaint if they have a bottle of Dr. J. D. Kellogg's Dysentery Cordial ready for use. It corrects all looseness of the bowels promptly and causes a healthy natural action. This is a medicine adapted for the young and old, rich and poor, and is rapidly becoming the most popular medicine for cholera, dysentery, etc., in the market.

"What are you crying for, my poor little boy?" "Boo-hoo! Papa fell downstairs!" "Don't take so on, my pet. He'll get better soon." "Sister saw him fall all the way. I never saw nuffin!"

ITCH, Mange, Prairie Scratches and every form of contagious Itch in human or animals cured in 30 minutes by Wolford's Sanitary Lotion. It never fails. Sold by all druggists.

"But, Tommy," said his mother, "didn't your conscience tell you that you were doing wrong?" "Yes, mummie," replied Tommy, "but I don't believe everything I hear."

Something More than a Purgative.—To purge is the only effect of many pills now on the market. Parmelee's Vegetable Pills are more than a purgative. They strengthen the stomach, where other pills weaken it. They cleanse the blood by regulating the liver and kidneys, and they stimulate where other pill compounds depress. Nothing of an injurious nature, used for merely purgative powers, enters into their composition.

Young Barrister (whose offer of marriage has just been accepted by his beloved): "What a relief! I feel as if I had just got three murderers acquitted."

Just a Word of caution; Where the skin is destroyed by burns or scalds apply Weaver's Ointment immediately; the sooner the better.

Wife—"Those new neighbors of ours seem to be awfully poor." Hubby—"How do you know?" Wife—"Whenever I want to borrow anything they never have it!"

For the Overworked.—What are the causes of despondency and melancholy? A disordered liver is one cause and a prime one. A disordered liver means a disordered stomach, and a disordered stomach means disturbance of the nervous system. This brings the whole body into subjection and the victim feels sick all over. Parmelee's Vegetable Pills are a recognized remedy in this state and relief will follow their use.

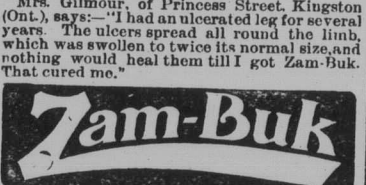
Judge—"And so you sacrificed name, honor, future, and freedom for the sake of two miserable dollars?" Thief—"Right you are, your worship! But what was I to do? There was not any more in the safe."

## SECRET SKIN TROUBLES

Have you on some part of your body a sore, or eruption, or eczema patch, which, hidden from the gaze of others, yet causes you hours and hours of pain and inconvenience? Have you tried this and that and the other remedy in vain, and are you feeling disheartened and discouraged?

If so, don't overlook this comforting fact—that Zam-Buk is daily curing just such chronic cases as yours! It heals skin diseases, ulcers, festering sores, ringworm and sores due to blood poison. Write Zam-Buk Co., Toronto, for free trial box, sending 1c. stamp. All stores and druggists sell at 50 cents a box.

Mrs. Gilmour, of Princess Street, Kingston (Ont.), says:—"I had an ulcerated leg for several years. The ulcers spread all round the limb, which was swollen to twice its normal size, and nothing would heal them till I got Zam-Buk. That cured me."



## MADE IN CANADA

Complete Launches

2 and 4 Cycle Engines

HAMILTON MOTOR WORKS, Ltd.  
HAMILTON, ONT.

## PEN-ANGLE Underwear

One kind of underwear, and only one, fits right, wears out slowest, and satisfies you from the day you buy it. That kind is trademarked (as above) in red, and guaranteed to you by stores that sell it and the people who make it. Made in many fabrics and styles, at various prices, in form-fitting sizes for women, men and children. Look for the PEN-ANGLE.

## STARTLING HOUSEHOLD INVENTION

Sells on sight. Agent coming money with it. Salary or Commission. Bradley-Garretson Co., Ltd., Desk 15, Brantford, Ont.

## Dyeing! Cleaning!

For the very best send your work to the "BRITISH AMERICAN DYING CO." Look for agent in your town, or send direct. Montreal, Toronto, Ottawa, Quebec.

## WILSON'S FLY PADS

One packet has actually killed a bushel of flies.

SOLD BY DRUGGISTS, GROCERS AND GENERAL STORES 10c. per packet, or 5 packets for 25c. will last a whole season.

## CREAM OF THE WEST FLOUR

A pure, hard Manitoba flour for bakers and others demanding strength, color and uniformity. STRONG & WHITE AT YOUR GROCERS DEALERS EVERYWHERE SUPPLIED WITH FLOUR AND FEED. WRITE US: WE ALSO MAKE "QUEEN CITY" A BLENDING FLOUR THAT HAS GAINED GREAT FAVOR AS A GENERAL HOUSEHOLD "ALL PURPOSES" FLOUR.

THE CAMPBELL MILLING CO. TORONTO JUNCTION ONT.

## QUEBEC STEAMSHIP COMPANY LIMITED.

River and Gulf of St. Lawrence

Summer Cruises in Cool Latitudes

Twin Screw Iron S.S. "Campana," with electric lights, electric bells and all modern comforts.

SAILS FROM MONTREAL ON MONDAYS at 4 p.m., 8th and 17th June, 1st, 15th and 29th July, 12th and 26th August, 9th and 23rd September, and fortnightly thereafter for Picton, N.S., calling at Quebec, Gaspé, Mal Bay, Percé, Gaspé Cove, Grand River, Summerside, P.E.I., and Charlottetown, P.E.I.

## BERMUDA

Summer Excursions, \$35, by the new Twin Screw S.S. "Bermudian," 5,500 tons. Sailing 5th and 19th June, 3rd, 17th and 31st July, 14th and 28th August, 6th, 20th and 24th September, 6th, 16th and 26th October, 6th, 16th and 27th November. Temperature cooled by sea breezes seldom rises above 80 degrees.

The finest trips of the season for health and comfort.

ARTHUR AHERN, Secretary, Quebec. A. E. OUTERBRIDGE & CO., Agents, 20 Broadway, New York.

LIVING ON TWELVE CENTS A DAY.

Professor Landouzy, of Paris, says it is possible to live on twelve cents a day, and he guarantees you three meals. The first is composed of milk, three pieces of sugar, bread and butter. At midday you may have bread, smoked ham, vegetables, or fruit (in summer), and a cup of coffee, with three pieces of sugar; and for the evening meal you dine on soup, with lard and bread, haricots or lentils, chestnuts and wine. Total cost: Twelve cents a day.



DEVOTED TO THE INTERESTS OF EAST BRUCE AND EAST HUBBON.

Terms:—\$1 per year in advance; Otherwise \$ 1.25.

ADVERTISING RATES.

|                     | One Year. | Six months. | Three months. |
|---------------------|-----------|-------------|---------------|
| One column.....     | \$50      | 30          | \$18          |
| Half column.....    | 25        | 15          | 10            |
| Quarter column..... | 15        | 10          | 6             |
| Eighth column.....  | 10        | 6           | 4             |

Legal notices, 50 per line for first and 40 per line for each subsequent insertion.  
Local business notices 50 per line each insertion. No local less than 25 cents.  
Contract advertising payable quarterly.

COUNTY AND DISTRICT.

On Tuesday morning of last week there was another break in Fordwich dam. It is supposed that a musk rat undermined the sement work and the water washed out a large hole so that the pond was almost dry in the morning. The break has been repaired.

Is your cold better?—No, it's as bad as ever. Nothing seems to help. Why not use the up-to-date specific "Catarrh-ozone" which drives out cold in one day. Inhale Catarrh-ozone and you will be relieved in two minutes. Continue the treatment and cure is assured. Healing germ destroying and pleasant, nothing for colds, throat trouble and Catarrh compares with Catarrh-ozone. Sold everywhere, 25c and \$1.00.

An Indian lost his railroad ticket at the union depot in Kansas City not long ago. He told Lee Mitchell, the station master, that his ticket had been stolen, and that two of his companions, also Indians, were missing. "Go through your pockets," suggested Mitchell, "perhaps you have overlooked it." The Indian searched but all he could find was a half pint bottle of whiskey. He had no money. "I guess your Indian friends stole your ticket," said Mitchell. "Huh! White man got it," replied the Indian, "Indian steal whiskey first."

"Josiah," said Mrs. Chugwater, wiping her spectacles, "baseball must be an awful cruel game. This paper says a man named Smith was pounded all over the lot. And I guess it must have been true, for it says that in the next inning he died on second base.

**Easy to Retain Health**—Most important of all is proper attention to the bowels. Avoid constipation, it's the health-killer of ro-day. Harsh, griping medicine is ruinous—beware of it. Best results follow a truly vegetable remedy Dr. Hamilton's Pills of Mandrake and Butternut, which not only relieve costiveness in one night but cures the cause of the trouble and prevents its return. No distress or inconvenience attends the use of Dr. Hamilton's Pills which are world famous for their mildness and efficiency. Sold everywhere, 25c per box.

The officers of the several regiments which drilled at London are petitioning the government to move the camp from London to Goderich. Goderich has offered a site of 600 acres free of charge. Friction has arisen over certain strictures made by the temperance people of London on the presence of the canteen. The officers contend that practically nothing is sold on the grounds but beer and that does the men no harm. They contend too, that under the eyes of the officers the men will hold themselves in check, but if they are compelled to go into the city for refreshments, they are more liable to get drunk. It is pretty difficult to say which of the parties in dispute has the best of the argument.

The Northern Spy is an apple that is self sterile. That is, the flowers will not fertilize themselves, and have to have other trees nearby for the purpose of fruit-setting. A gentleman from Hespeler put out several acres of Spys years ago and failed to get fruit at 20 years. A friend advised grafting a few trees of another variety to blossom about the same time. This was done and the orchard immediately became remunerative. This fact is worth knowing to the orchardist.

Galt, July 16.—The police of the county have been on a hunt for a week past for Lily Cooper, aged seventeen, a girl of the town who has no home or parents and has eked out a precarious existence for some years as a factory worker and domestic. The girl has a mania for playing practical jokes, such as issuing fake orders to livery stables and restaurants. Wednesday, Lily hired a horse and rig from Lawrason's livery, Preston, and neglected to return it. She was traced to Hamilton, Brantford, Guelph, and small villages in this district, but was always too quick for the police. The county force have been tracking her for days. Preston, Hespeler, and Galt police have helped in the pursuit. It was not until Sunday night that two men at Puslinch Lake, Josh Wayper and Frank Bernhardt, captured the girl horse-thief and held her till the Pres on police secured her yesterday. She was in a demoralized state, and the rig in worse condition. To-day the complainant withdrew the charge of horse stealing and the prisoner was discharged with a warning to behave herself in future.

FALL TERM OPENS SEPTEMBER 3RD.

**CENTRAL Business College**  
STRATFORD, ONT.

This school, which is an old and well established one, stands to the forefront as the greatest Commercial and Shorthand school in the West. Our teachers are experienced instructors, courses thorough and practical. We assist graduates to positions. Write for our free catalogue.

Elliott & McLaughlin,  
PRINCIPALS.

ISAAC GOWDY  
BLACKSMITH.

I am still in the Blacksmith Business in Mildmay, and am steadily increasing my trade. I have made a special study of Horseshoeing, and claim to thoroughly understand this particular kind of work, and solicit a share of your patronage. Entire satisfaction is guaranteed and all work entrusted to me will be promptly and well done. Hoping to be favored with your patronage, and wishing all a happy and prosperous New Year,  
I am, yours respectfully,  
ISAAC GOWDY.

N. B.—Masons, bring your stone hammers here and have them properly fitted up for spring.

Buffalo burglars tortured a coachman almost to death because he refused to give them the key to his master's house.

The bridge on the 2nd concession of Brant near the marl beds sank four feet on Saturday last and as a result the road has been closed. It would appear that the bridge sank as a result of the water being lowered by workmen of the National Cement Co. at Durham who are engaged draining the lakes. Reeve Froom says that it is altogether likely that the Durham people will have to bear the loss, which will be quite an item.

I'll stop your pain free. To show you first—before you spend a penny—what my Pink Pain Tablets can do, I will mail you free, a Trial Package of them—Dr. Shoop's Headache Tablets. Neuralgia, Headache, Toothache, Period pains, etc., are due alone to blood congestion. Dr. Shoop's Headache Tablets simply kill pain by coaxing away the unnatural blood pressure. That is all. Address Dr. Shoop, Racine, Wis. Sold by R. J. Barton.

The Clinton New Era of last week saes: "The rinks of Clinton bowlers and their wives went to Listowel on invitation to play a friendly game on Friday. They had just got nicely started when a fire broke out in the town, and interfered with the game. Later on a rainstorm came on which indicated that the flood gates of heaven were open. Some of them returned home by the late train, which ran off the track at Scaforth, owing to an open switch, and it was nearly daylight before they reached Clinton, and got beaten into the bargain.

Is Your Trouble Indigestion?—Then probably you know the evils of distention fermentation and irritation that accompany digestive troubles. Next important is to know how promptly Nerviline cures. Quick as a wink it relieves bloating and feeling of fullness, puts the entire digestive apparatus in perfect order, makes you feel fit and fine all over. For internal pain Polson's Nerviline surpasses every known remedy. Keep it in the house always, it's a source of comfort in the hour of emergency. Large bottles for 25c at all dealers.

We have to report a most distressing occurrence from Bruce Tp. On Wednesday last Mr. Geo. Patterson, of the 5th con., committed suicide by taking a solution containing carbolic acid. The deceased had been worrying a great deal ever since he sold his farm a few months ago. Although the proceeds of his sale left him in fairly comfortable circumstances, he could not seem to feel contented. He was a very quiet, hard working man, and well respected. The widow and family have the deepest sympathy of all in their sad bereavement.—Paisley Advocate.

Mark Twain says that all are lazy; some are able to fight it down while others fail. He knew a non-combatant of this class when a boy in Hannibal. His name was Jim Black, and one summer morning he was lying under a tree beside the river, listening to the birds and watching the steamboats glide up and down the great stream. "Well, what are you here for?" Mark asked him. "I'm here," said Jim, "for to pile them bales onto the wharf." "Oh, and now you are resting, are you?" "No," said Jim, "I ain't resting, because I ain't tired. I'm just waiting for the sun to sink down behind that there hill, so's I can knock off work."

THE  
CORNER STORE, MILD MAY.

When Buying Your

Binder Twine

See that you get the best.

We have it at Bottom Prices.

Also Rakes, Forks, Machine Oil, etc.

Farm Produce taken same as Cash.

A. MOYER & CO. General Merchants.

SICK WOMEN  
MADE WELL.

THOUSANDS FIND THE WAY BACK TO HEALTH THROUGH FERROZONE.

No need for so many sick girls and women.

Their ills are curable if they give them proper treatment.

Nutrition must be supplied, blood must be enriched, nerves strengthened, and additional power given to digestion.

Ferrozone does this and more; it cures such cases as Mrs. N. E. Peabody, of Trenton. She was a wreck,—never that medicine was made that could restore her, yet Ferrozone was successful.

Among her troubles were:  
Headaches, Weariness,  
Nervousness, Weakness,  
Palpitation, Loss of flesh,  
Dizzy spells, Poor Appetite.

HER STATEMENT.

"I was stricken with nervous disease of the head and stomach. Violent headaches made life a torture. I was so nervous and weak I could scarcely walk. Work was impossible. I couldn't eat or digest anything. When completely wrecked Ferrozone restored me. To-day I am vigorous, strong and well."

If you lack power of either mind or body it's an evidence you need Ferrozone.

If you have nervous spells, feeling of weakness in the limbs, tiredness in the morning, you are sure of cure with Ferrozone.

Think of it, Ferrozone gives back the energy of youth, restores vital stamina and a surplus of vigor simply because it supplies the concentrated nourishment your system needs. 50c per box or six for \$2.50 at all dealers.

An amusing but true story is being told regarding two young fellows recent-ly from the Old Country. A farmer who lives between Paris and Burford, drove to Brantford and left two newly-arrived Englishmen in charge of the farm. Last fall at threshing the separator blew the chaff on the barn roof, where it remained, and the farmer ordered his help to clear the chaff off the roof in his absence. When he returned he found to his amazement that the Englishmen had taken every shingle off the roof, which would cost him about \$75 to replace.

Piles get quick and certain relief from Dr. Shoop's Magic Ointment. Please note it is made alone for Piles, and its action is positive and certain, Itching, painful, protruding or blind piles disappear like magic by its use. Large nickel capped glass jars 50 cents. Sold by R. J. Barton.

Let me send you free, for catarrh, just to prove merit, a trial size box of Dr. Shoop's Catarrh Remedy. It is a snow white, creamy, healing antiseptic balm. Containing such healing ingredients as Oil Eucalyptus, Thymol, Menthol, etc., it gives instant and lasting relief to Catarrh of the nose and throat. Make the free test and see for yourself what this preparation can and will accomplish. Address Dr. Shoop, Racine, Wis. Large jars 50 cents. Sold by R. J. Barton.

60 YEARS' EXPERIENCE

**PATENTS**

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Anyone sending a sketch and description may quickly ascertain our opinion free whether an invention is probably patentable. Communications strictly confidential. HANDBOOK on Patents sent free. Oldest agency for securing patents. Patents taken through Munn & Co. receive special notice, without charge, in the

**Scientific American.**

A handsomely illustrated weekly. Largest circulation of any scientific journal. Terms, \$3 a year; four months, \$1. Sold by all news-dealers.

**MUNN & Co.** 361 Broadway, New York  
Branch Office, 625 F St., Washington, D. C.

Lax-ets 5 C Sweet to Eat!  
A Candy Bowl Laxative.

Special Offer!

We have just completed a deal with that clever-est of all Canadian weekly papers

Toronto Saturday Night

Whereby all reads of the

Mildmay Gazette

Can secure both papers for \$2.50 a year or \$1.30 for six months.

SATURDAY NIGHT is clean, sound, wholesome and clever. Its views on men and affairs of the day are an education to intelligent men and women. Always bright and crisp but never sensational—it is the ideal paper for the business man, his home and family.



**LIVE STOCK MARKETS.**  
**TORONTO.**

Receipts of live stock at the City Market, as reported by the railways, were 78 carloads, composed of 1269 cattle, 562 hogs, 834 sheep and lambs, and 271 calves.

The quality of cattle was not as good as could be desired. Many of them should have been left on grass for another month.

Trade was generally good for all classes, but prices were not any better than at the Junction on Monday, when quality of cattle is considered.

Exporters—Few were offered. One load was reported sold at \$5.85 per cwt.

Butchers—The demand for butcher cattle from the outside was strong, which helped to make an active market at steady prices. The best stall-fed butchers cattle sold from \$5 10 to \$5 40; loads of fair to good that had been in good condition when put on grass, sold at \$4 75 to \$5 per cwt; medium \$4 40 to \$4 60; good cows \$3 85 to \$4 35; fair to medium cows, \$3 50 to \$3 75; common, \$2 50 to \$3 25 cwt.

Feeders and Stockers—Common light stockers did not sell readily. Most of the trade lately has been in the low grade stock. A few lots of light stockers sold at \$3 25 to \$3 75, and some even lower.

Milkers and Springers—Common and medium cows which sold for \$26 to \$35, are at the lowest point this season. The best were quotable up to \$50, and but few have sold higher, or as high as that, during the past week.

Veal Calves—Good to prime veal calves sell readily at good prices, but not more than 5 to 10 per cent. of the deliveries are in these classes. The bulk of offerings were of the grassy buttermilk class. The first-class sold at \$5 to \$6 50 per cwt., with an odd milk-fed calf at \$7 per cwt.; grassers and buttermilks sold at \$3 to \$4 cwt.

Sheep and Lambs—The run being light, the market for sheep and lambs was very strong, with prices firm. Export ewes sold at \$4 60 to \$4 75 per cwt; bucks and culls at \$3 75 to \$4 25; spring lambs sold at 8c to 8½c, and a few selected lots went as high as 9c lb.

Hogs—The run of hogs was exceedingly light. Mr. Harris quotes selects at \$6.90 and lights at \$6.35 per cwt., with market strong at these quotations.

**MIGHT HAVE BEEN WORSE.**

A young woman settlement worker who is well known in Boston's social circles has now learned, like the more experienced district visitors, to take "black eyes" as a matter of course when visiting among the poor women.

The other day she observed that one of her proteges had a "black eye" that far surpassed any that she had seen before, and guessing its source she wished to be sympathetic and said kindly, after speaking of the woman's eye: "Never mind, Mrs. Mc—, everything will be all right. Your troubles might be worse." "Sure it might be worse," answered the woman philosophically, "I might be like yourself, Miss, with no husband at all."

They are bringing out candidates for the provincial elections now regardless of the fact that after the redistribution of seats next year the candidates selected may not be living in their own ridings.

A New York tenement worker says that bad cooking induces drunkenness, which may account for the much drinking you see around some of Toronto's first-class hotels.

Regained Nerve And Vital Energy.—From Walton P. O., Que., comes the following from Mr. Nazaire Begin—"If any one had told me any remedy could build up my nervous system so well, I would not have believed them. Before using Ferrozone I was run down in nerve and vital energy, and in very weak health I didn't get enough sleep at night, felt poorly in the day time. Ferrozone has filled me with energy and vim, increased my weight and made a new man of me."

Hundreds tell the same story—Weak and dispirited, everything going wrong, unable to catch up. They took Ferrozone and all was changed to health and serenity. Price 50c per box at all dealers.

The miners in the Cobalt district are all on a strike, and Hon. W. J. Hanna has shut off the supply of drink at the request of the local authorities. The government had taken the matter up with the T. & N. O. railway commission and the express companies operating, and urged that no express package whatever containing liquor be forwarded pending the settlement of the strike. The government also gave instructions to the license commissioners in the district to see to it that the hotels at New Liskeard and Latchford do not sell any packages liquor. Should the hotels be found contributing to drunkenness the commissioners are so to report, and the licenses will be suspended or cancelled.

**Western Fair**

The Exhibition the People all Like to Attend.

Exhibitors and Visitors Find it Profitable to go.

KNABENSHUE'S AIRSHIP daily, and a full list of Attractions, with plenty of Music. Fireworks after programme each evening, concluding with that grand display, "THE SIEGE OF GIBRALTER."

**Reduced Rates on all Railroads**

Send to the Secretary for Prize Lists, Programmes and all information.  
W. J. REID, President, A. M. HUNT, Secretary.

**London, Sept. 6 to 14**

**K&K K&K K&K K&K K&K K&K K&K K&K K&K K&K**  
**THE OLD FOGY DOCTOR**  
FAMILY Doctors are all right as general practitioners, but they are not specialists. The sexual organs comprise the most intricate and important system in the human body and require the most skillful treatment. You might as well expect a blacksmith to repair your watch, as a family physician to cure sexual complaints. We have made a specialty of these diseases for over 30 years, have invested tens of thousands of dollars and have every facility known to medical science to cure them. Every case is taken with a positive guarantee of **No Cure—No Pay.**  
**BLOOD POISON**—Whether inherited or acquired, is positively cured forever. The virus is eliminated from the system so no danger of return. Hundreds of cases cured by us 25 years ago and no return; best evidence of a cure.  
**NERVOUS DEBILITY**—and other complications, such as emissions, drains in the urine, varicocele, sexual weakness, etc., are cured by our **New Method Treatment** under a positive guarantee—**NO CURE—NO PAY.**  
WE CURE ALL DISEASES OF MEN AND WOMEN.  
Consultation Free. Books Free. Write for question blanks for private Home Treatment. Everything confidential.  
**DRS. KENNEDY & KERGAN,**  
148 CHELSEY STREET, DETROIT, MICH.  
**K&K K&K K&K K&K K&K K&K K&K K&K K&K**

Mr. J. J. Donnelly, of Greenock, will make the Conservative candidate in South Bruce for the Commons.

George J. Boehmer, merchant tailor, has an advt. in this issue. Read it.

A prominent Montana newspaper man was making the round of the insane asylums of that State in an official capacity as an inspector. One of the inmates mistook him for a recent arrival. "What made you crazy?" "I was trying to make money on the newspaper business," replied the editor, to humor the demented one. "You're not crazy, you're just a plain fool," was the lunatic's comment.

A Polish laborer named Dorosiewitch, of Krosienke, German Poland, pleaded guilty a few days ago to murdering his eighteen-year-old daughter, "because she was so ugly that nobody would marry her." He was sentenced to three years' hard labor.

A Pennsylvania bride permitted all the men at the wedding to kiss her at the rate of a dollar apiece. She had \$385 by the time the thing was over. She wanted to raise funds to defray the expenses of the wedding trip.

James Walker, 35 years old, with two children, and Simon Caswell, aged 35, of Hepworth, were drowned at Milford Haven by the overturning of a rowboat. One of the party rocked the boat in an attempt to frighten the men who could not swim.

The latest testimony to the fact that riches do not bring happiness, comes from the lips of a member of, perhaps, the richest family on earth. Baron Alphonse de Rothschild, when recently asked for his views on happiness—whether he thought that riches led to happiness; "Ah, no," answered the millionaire, sadly and slowly, "that would be too glorious! Happiness is something totally different, I suppose," he added reflectively. "Some advantages do attach to money, or people would not give themselves so much trouble to gain it; but, believe me, the truest source of happiness is work."

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**PATENTS**  
TRADE MARKS, DESIGNS, COPYRIGHTS &c.  
Anyone sending a sketch and description may quickly ascertain, free, whether an invention is probably patentable. Communications strictly confidential. Oldest agency for securing patents in America. We have a Washington office. Patents taken through MUNN & Co. receive special notice in the  
**SCIENTIFIC AMERICAN,** beautifully illustrated, largest circulation of any scientific journal, weekly, terms \$3.00 a year; \$1.00 six months. Specimen copies and HAND BOOK ON PATENTS sent free. Add 25  
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GIVE THEM A CALL. GOLDBERG'S OLD STAND.

**QUIBS OF CHARACTER.**

Post mortem kindness brings no cheer.  
There's no market for unkind feelings.  
Anoint your friends before they are buried.  
Nature never leads any man into crime.  
Pity the man who makes no high resolve.  
Uncertainty is always an element of weakness.  
Nobody but a coward fails to make a venture.  
The backbone of character is made in the home.  
Because we are free we are therefore responsible.

A distressing affair is reported from West Luther, a short distance from Wesley. During a recent night Mrs. John Hayes gave her 4-months old child the bottle to drink and fell asleep before the child had finished. The milk ran too quickly, choking the baby, and on waking next morning it was lying lifeless beside her.

Let me mail you free, to prove merit, samples of my Dr. Shoop's Restorative, and my Book on either Dyspepsia, The Heart or The Kidneys. Address me, Dr. Shoop, Racine, Wis. Troubles of the Stomach, Heart or Kidneys, are merely symptoms of a deeper ailment. Don't make the common error of treating symptoms only. Symptom treatment is treating the result of your ailment, and not the cause. Weak Stomach nerves—the inside nerves—means stomach weakness, always. And the Heart and the Kidneys as well, have their controlling or inside nerves. Weaken these nerves, and you inevitably have weak vital organs. Here is where Dr. Shoop's Restorative has made its fame. No other remedy even claims to treat the "inside nerves." Also for bloating, biliousness, bad breath or complexion, use Dr. Shoop's Restorative. Write for my free Book now. Dr. Shoop's Restorative sold by R. J. Barton.

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We make clothes that fit and the styles are unmistakable.  
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**Geo. J. Boehmer**  
MERCHANT TAILOR.

It is understood that the Grand Trunk heads of operating departments have instructed their foremen, engineers, firemen, conductors and brakemen to have proper rest before resuming work. A railway regulation of some years standing says that 16 hours on duty shall be followed by 8 hours off. The special order just issued is likely to result in a strict enforcement of the rule providing rest after continuous service.

The body of a man badly decomposed was found at the Bustards last week. This is supposed to be the body of one from the ill-fated Jones.

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Money to loan at the lowest possible interest to farmers. All kinds of conveyancing promptly, cheaply and correctly done.  
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A new shipment of Japanese China, CAKE PLATES, SALAD DISHES, JARDINIERES, 3 PIECE TABLE SETS, VASES and a lot of other Novelties.  
Also another lot of Picture Post Cards, STEREOSCOPE VIEWS, P. CARD ALBUMS, PEARL BEADS, ETC.

25 per cent. off the regular Price of PURSES, PIPES, MOUTH ORGANS, HAIR, TOOTH and CLOTHES BRUSHES, as long as the lots last.  
Come and see the goods and save money. Repairing done and Satisfaction Guaranteed.

**CHAS. WENDT'S,**  
Mildmay.



# "AUGUSTA SAYS"

## CHAPTER II.

When I came forward in the hall at Ardstronach to welcome Miss Augusta Arkwright I received shock number two. The splendid, stately young creature was fully a head taller than I am; and the great, dark, fathomless eyes she bent on me were enough to make a man go out and murder the next man he met out of sheer joy and excitement. However, I have lived through some sixty odd summers, not to descend to details; and so I merely patted her hand in a fatherly way and said I hoped she would not find the place dull here.

Afterwards I caught little Winnie as she ran past the door of the smoking-room, swinging a big basket of roses in her hand, and I drew her in, held her by one shoulder, and looked at her as sternly as I could.

"That is scarcely my idea of a governess," I remarked; "but I shall of course be delighted for your girl-friend to pay you a visit."

"She is a governess, Uncle Ben; she has been a governess at our school ever since I left it. And you can scarcely call her a girl any longer; she is four-and-twenty."

"My dear, everything is comparative. Compared to me, she is young and tall, and she is extremely beautiful."

"Oh, I am glad you admire her so much! She will be so pleased! She says you look a perfect darling!"

"Really!" I ejaculated.

My niece pinned a rose out of her basket in my coat, gave me a kiss like the brushing of a butterfly's wings, and ran off.

At dinner I looked at them both, at my niece opposite to me and her friend on my right, the one as fair as a daffodil, as pink and white and fragrant as a bunch of sweet-peas, with eyes as blue as forget-me-nots and as innocent as morning dew; the other as dark as a moonless midnight, as awe-inspiring, as suggestive of romance and emotion. I listened to their voices; like the songs of birds, I put too much cayenne into my soup, and as I stifled my sneezes I thought hard what topic I could broach. I was saved the trouble of any decision, for Miss Arkwright, turning those wonderful eyes full of mine, asked me if I approved of women's Suffrage.

It was during that first dinner that I dived upon me that the moonless and impenetrable midnight was full of motor-cars going considerably beyond regulation speed.

Next morning Winnie perched herself on my knee and began thoughtfully twisting my watch-chain.

"You must not think that Augusta means all she says," she remarked diffidently.

"I never thought that of any woman," I hastened to assure her. "It would be an insult to her intelligence—and to one's own."

"Augusta says that women are down-trodden, and that men are very wicked."

"I have heard hints to that effect myself."

"Do you believe in it, Uncle Ben?"

"Bless me, no, my dear! And, according to you, neither does Miss Arkwright; she probably means that men are down-trodden and women very wicked."

"You ought to try and be serious, Uncle Ben, though you can't look serious. Augusta says content is a soul-destroying thing, and ruins the life of the nation and the character of the individual."

"Yes, I have heard that too. Come to think of it, I have seen it in print."

"Then I suppose it is true. Augusta says that to stir up discontent is the first act of the reformer."

"Dear, dear! Has she any views on game-laws?"

Winnie shook her head. "She has views on most things," she said.

"Humph!" I answered.

"She would make an ideal wife," Winnie went on, with more enthusiasm than logic.

"Humph!" I repeated.

"Perhaps," Winnie went on, twisting my watch-chain round and round one of her slender fingers, and apparently thinking only of the effect so produced, "perhaps Cousin Tom will admire her."

Well, that was an idea that had already occurred to me, and had somewhat disquieted me. But I had determined to use diplomacy. I have not gone through life without observing the vast power of jealousy as a motive.

"Very likely," I said cheerfully. "A woman as lovely as that must win worship."

Winnie unwound the watch-chain skilfully. "It is such a pity that dear Augusta does not want to marry," she replied rather coldly.

"Oh, every girl says that!" I cried.

"Yes; but every girl!—Winnie dropped her voice—"does not want to be a widow!"

"Bless my soul! is she married already, then?"

"Oh, no!"

"But she would have to be married before she could be a widow!"

"That is what I told her," Winnie nodded her head sagely.

"What did she say to that, eh?"

"She said—Winnie again dropped her voice, and spoke with a hint of being slightly shocked but much impressed—"that anything worth attaining has

to be attained through tribulation, that the Promised Land was not reached till after forty years in the wilderness, and that Heaven itself is gained through purgatory."

"So the husband is a wilderness and purgatory combined? No wonder the belle dame sans merci feels no pity for the necessary sacrifice of him in order that she may become a widow."

"Oh, Augusta has heard! She spoke most feelingly about him!—Said it must be some one she had married out of pity, and been very kind to; or else, perhaps, it might have been some kind of mutual arrangement on a business basis, you know."

"And may I venture to ask what you replied to all this?" I asked.

Winnie put both her little hands over my eyes. "I told Augusta," she whispered, "that I would rather be the wife of a man I did love than the widow of one I had not loved."

"Quite right, my dear! Quite right! Very womanly sentiments! Did Miss Augusta seem suitably impressed?"

Winnie removed her hands from my eyes and laughed into them. "Augusta told me I was as much the outcome of the system of beguiling slavery under which women have been ruled for ages as a bulldog's profile is the outcome of generations of bull-baiting."

"Well, that shows she knows something about the breeding of bulldogs. She seems to be a young lady of varied knowledge as well as of peculiar ambitions. Why, by the way, does she desire to be a widow?"

"Because, Augusta says, no other woman has complete freedom. Young or old, rich or poor, plain or pretty, married or single, a woman is invariably a slave either to man or to circumstance. The only woman who has gained freedom with the power left to enjoy it, Augusta says, is a wealthy widow."

"There is some truth in it," I replied with becoming seriousness; "but how—I ask merely out of respectful curiosity—does she mean to ensure widowhood?"

Winnie took a rose out of her dress and bent her head and smelt it, and I could see her cheeks, as pink and soft as her rose, dimpling in merriment; but her voice was one of absolute gravity.

"Augusta has great forethought," she assured me. "She has considered the medium of an advertisement."

"Good heavens!"

"Hush, Uncle Ben! You see, Augusta is used to advertisements. Augusta says it is perfectly disheartening to run your eye morning after morning down column after column of "Situations Vacant" and she says she hates advertising for situations herself, examining all her little stock of accomplishments into two lines for sixpence. She says it is humiliating, and that next time she intends to advertise in the agony column—she has studied that too."

"And how will she word the advertisement?"

"Beautifully!"

Winnie stood up and put her hands behind her back as if repeating a lesson. "Lady," she quoted, "Lady, desirous of becoming a wealthy widow, wishes to hear of some one of means about to start on Arctic, Antarctic, or otherwise dangerous expedition. Lady would undertake to write his memoir. Winnie looked triumphantly at me. "Augusta put that last bit in," she explained, "to tempt him. Augusta says you can always count on a man's vanity and egotism."

Suddenly, with a sense of my impotency, my wrath rose. I felt the fighting blood of the M'Nabs coursing wildly through my veins. "Winnifred!" I roared, "your young friend's opinions and maxims are horrible, and will bias your mind! But be she or say she or do she what she will, you are to be done and do what your guardian sees is best for you." I drew myself up to my full height—I am not a tall man—and I felt my hair bristling all over my scalp.

My niece sat down and clasped her hands, dropping her rose as she did so. I glanced at her—yes, she was on the verge of tears—blue eyes misty, rosebud mouth drooping and trembling.

I felt a brute—and I enjoyed the feeling. The long-dead instincts rose, and I was aware of a thrill at seeing a bowed and weeping woman, and knowing myself—after sixty years or so of a sober life particularly free from woman's influence—the savage cause. The fighting blood of the M'Nabs was in spate.

"Winnifred!" I said—I spoke out quite loudly—"a woman must obey! I insist—I have a right to insist—"

The door opened and Augusta Arkwright came in, and glanced from me to Winnie and back again. The blood of the M'Nabs sank into my boots. I coughed and edged towards the door. There was no time for explanations—no time to tell Winnie I did not really mean it. Miss Augusta, having put me utterly in the wrong, now ignored me, and dropped on her knees beside my niece, put her arms round her, and crooned, "What was the matter with it, then? What was he doing to it? Be its own brave self, and have a good cry! Poor ill-used little goldie-woldie, boy's angel, darling pet!"

I beat a hasty and silent retreat. I went straight to my own room and rang the bell. I told my man to pack my

kit-case. I went up to town and drove to my club. As pants the hart for cooling streams, so I longed for men's society.

(To be Continued).

## THE LATE SIR JOSEPH FAYRE.

Great Physician Who Had a Most Interesting Life.

Sir Joseph Fayrer, who went through some of the worst horrors of the Indian Mutiny, and who lived to hear an echo of that tragic period in this its anniversary year, died recently at his residence, Belfield, Falmouth, England.

Born in 1824, Sir Joseph's long life was filled with interest and adventure. He accompanied the King, then Prince of Wales, on his Indian tour, and he met many of the great men of his time. But the most memorable experience of his life was that of the terrible siege of Lucknow.

Fayrer entered the navy as assistant surgeon, and in this capacity went through the siege of Palermo, and was present also at the siege of Rome by the French in 1848. He went to India in the service of the East India Company. After being attached to the Burmese expedition of 1852 he was promoted to the coveted post of resident-surgeon at Lucknow, where one of his duties was to attend medically the court of the last King of Oude.

During the siege of Lucknow Fayrer's house was an asylum for many families besides his own. His labors for the sick were heroic. Once a shell burst in the room where his wife was lying ill, but she was unhurt.

In his Recollections of My Life, written some years ago, Sir Joseph writes at once the horror and the mystery of the mutiny. "We were uncertain," he writes, "of all natives, even those of our own household, yet during this time we were constantly receiving proofs of native devotion and loyalty; men risked all, even their lives, to serve us, but fell at last into the whirlpool of mutiny and sedition, moved by some influence they could not resist to throw in their lot with the rebels."

Fourteen people died in his house during the siege, but many more were saved by Sir Joseph's skill and devotion. Sir Henry Lawrence was one of those who died. Outram, who was shot through the arm, and Napier, who was wounded in the leg, were two of Sir Joseph's patients. Outram, he relates, refused to eat anything but the common rations.

Years afterwards Sir Joseph was able to show this famous house, half fort, half hospital; to the Prince of Wales.

Sir Joseph's health was permanently injured by the siege, but he became the leading doctor in the presidency. In 1873, after he had settled in London, he was selected by Queen Victoria to accompany the Prince of Wales in India, and was instructed "to write direct" to her Majesty as to the Prince's well-being.

Wordsworth, Huxley, Hartley, Coleridge and Tennyson were among the men whom Sir Joseph knew intimately.

## MARKED FISH IN THE SEA.

Thousands of Them Caught, Numbered and Put Back in British Channel.

Catching fish, measuring and marking them and then returning them to the sea with the chance of retaking them later is part of the work carried on by the Marine Biological Association of Great Britain.

By means of a steam trawler the fish are caught in the usual way. Each haul is carefully recorded, the fish are counted and measured in all details of locality; time, number, species, sex and size are put down, together with accurate observations on the water, the depth and bottom of the sea, the kinds and quality of food available, etc. These data are subsequently tabulated and charted.

The method of marking the fish is interesting and has been attended with valuable results. The fish chiefly used during the few years the experiment has been in progress have been plaice, because the proposals which have been made to interfere with the catching of them were based on inadequate knowledge with a very thin convex metal disk bearing a number. This is attached to a fine silver wire which is passed through the thinner part of the fish near the fin and secured on the under side by a small bone button. The fish do not appear to suffer inconvenience and their growth is not interfered with in any way.

The thoroughness with which the North Sea is swept by the nets of the fishing fleets is demonstrated, says Discovery, by the fact that out of 5,039 marked plaice of all sizes, 992 were recaptured within a year. This represents 19.7 per cent., or nearly one-fifth; but for the medium-sized fish the figures are far higher, ranging from 28.4 to 39 per cent. in the more northern portions.

The men of the regular fishing fleet co-operate by forwarding to the laboratory of the association at Lowestoft all the marked fish they catch. At the laboratory reference to the records easily establishes how much the fish has gained in size and weight since the previous catching. Moreover, the distance between the spot where it was released and the place where it was again caught gives an idea as to its movements.

## A WEIGHT OFF.

"I want to get a pair of scales," remarked the customer. "Have you the ambuscade make?"

"What's the ambuscade?" inquired the clerk.

"Well," returned the customer, "I am given to understand that they're the kind which lie in wait."

# The Farm

## UP-TO-DATE DAIRYING.

Separator Foundation Should be Masonry.—The foundation of the separator must be strong, durable and firm. The separator must be kept from jar. It must run smoothly. It must therefore be securely anchored to such foundation as will hold it perfectly level and without vibration.

A heavy bowl at the top of a long spindle is no strain at all upon the upper bearing when the machine is level and free from shaking, but is a hard test of the workmanship of the builders when the spindle is at an angle with the vertical, no matter how small that angle may be. It is well to have the foundation of the separator rest directly upon masonry on the ground. This implies a location not in the second or third storey.

A separator is necessarily a delicate machine requiring intelligence and some skill in its manipulation. Not only must it be properly placed, but it must be kept in perfect condition. The bearings must be kept clean and well oiled. The fixtures in the bowl must be put in as the directions require. The cap of the bowl must be screwed on tight; the tin-ware must be put in place and kept in place, and the separator must be turned at the speed designated by the makers.

Factors Determining the Richness of the Cream.—The richness of cream in fat depends upon many conditions. If the separator be turned faster than the regulations call for, the cream will be richer in fat. If turned slower than it ought to be turned the cream will be poorer in fat.

If the milk be rich in fat, the cream will have a higher per cent. of fat than will the cream from milk with less fat in it.

If the milk flows into the separator too fast, the cream will be low in fat. If the feed be restricted the per cent. of fat in the cream will go up.

The temperature of the milk affects slightly the fat in the cream, but not to an important degree.

The richness of cream is controlled almost absolutely by the position of the cream screw. Each machine can thus be regulated to turn out from milk of a given composition a cream of any richness desired. For buttermaking the cream should be as rich as is consistent with perfect skimming.

Daily Care of the Separator.—The rules in regard to the care of the separator are simple and inevitable from the considerations already had.

In the first place the separator must be washed every time it is used. The washing should be done methodically, rinsing out the milk in tepid water, then washing with very hot water containing a cleanser, powdered with borax then rinsed in boiling water, and steaming, if possible.

Let the bowl dry without wiping. Wash the tinware in the same way, doing the work most thoroughly.

Next the separator stand must be kept clean, free from dust. All exposed parts should be wiped clean, the surplus oil removed, and the whole surroundings maintained in sweet and sanitary condition.

Experiment stations have shown that the foul bowl will increase the bacterial contents of milk to an incredible extent. When the separator is washed out each alternate day the number of bacteria in the milk forced through it is so large that the skimmilk is unfit to feed to pigs. If the separator is clean, running milk through it reduces the number of bacteria fully a fifth and often a fourth.

The slime collecting on the inside of the bowl should be burned, as it contains the bulk of the germs contained in the milk.

Places should be provided for the parts of the separator when taken apart. They must be kept out of dust.

Operating the Separator.—If the separator is to do good work, it is to remove the fat from the milk down to one or two one-hundredths of a per cent. it must be run right as well as be put together right.

In actual practice the point most often disregarded is the item of speed. The monotony of turning a crank leads to neglect and the speed falls below the point of good service. The directions may say forty-two turns to a minute, the operator unconsciously allows the speed to drop to thirty-two. A loss of fat in the skimmer follows.

Again, the temperature of the milk may fall too low. Few if any separators will do good work at a temperature below eighty degrees, and all separator makers have a right to demand that the users shall have their milk as warm as that.

The milk may be sour and partly coagulated. This presents a hard and possibly an impossible problem to the machine. Separators are made to handle sweet milk only.

A separator ought to last a long time and do good work to the last. They may seem costly to the dairyman, but the first cost should be divided over many years of use, and will be so divided if the machine has good care. Delicate machines cannot be left to care for themselves. The woman of the house can take care of them well enough if the men will turn them and lift out the bowls and take them apart.

To drive the separators various kinds of power are in use. The gasoline engines are popular. Bulls or horses on tread powers do the work. Steam engines are called for in dairies large enough to call for such steam for clean-

ing purposes. Any source of power will do that will give a steady and unvarying speed.

The Cream Should be Cooled at Once.—The two products of the separator are the cream and the skim milk. The cream is the most valuable, and its care should receive the attention of the prudent dairyman. Two principal rules are to be observed in reference to it.

In the first place the cream must be cooled and kept cold. The bacteria living in cream are of two kinds, as far as their final effects upon the cream are concerned.

One kind of germs sour the cream, the other brings about fermentation, resulting in the unhealthy products. If the cream is kept cold neither of these products develop rapidly.

As soon therefore as the separator stops, the can of cream ought to be put in a tank of cold water and cooled down as fast as possible to below fifty degrees.

If ice is at hand it ought to be used, not in the cream surely, but in the water surrounding the can. If no ice can be had, the water about the cream should be changed frequently and often enough to rapidly cool the cream. The low temperature should be maintained until the cream is delivered to the factory, or until enough has been gathered at home for the churning.

If delivery to the factory is the fate of cream, the delivery should be made as often as twice a week, that the bad bacteria may have no opportunity to grow. If the churning is to be made at home it ought to be done as often as twice a week, if the best butter is to be made.

The future of the hand separator hangs on the fate of agricultural education. If farmers will take proper care of the separators and of the cream the hand separator has come to stay. If they will not, the separator must go. Consumers demand that the cream shall be made from pure milk and shall be kept cool and free from infections with bad germs.

The dairyman can make pure milk if he will keep his cows and his stables clean, his methods systematic, his utensils bright and sweet, the air of his cow stables and dairy-room pure and free from bad odors. He can make his cream sweet if he will keep his separator clean and will cool his cream and keep it cold and clean.

Value of Skim Milk as Food for Stock.—The signal value of the separator lies in the fact that it leaves the skim milk at home to be fed warm to calves and pigs. With pigs selling at \$3.80 a hundred and with corn meal worth \$16 per ton the skim milk was shown to be worth for feeding young pigs fully 24 cents to the hundred. For calves it is usually worth more than it is for pigs.

When feeding either calves or pigs, regularly must be observed. If feeding skim milk sweet, feed it sweet all the time. The trouble with separator skim milk returned from the whole milk factory is that some days when the weather is cool the skim milk comes home sweet, the next day when it is hot, it comes back sour. The hand separator at home avoids these troubles.

Separator Will Pay for Right Use.—Will a separator pay? In the hands of the right man, yes; in the hands of a careless man, no. The quality of the man decides this business question as it decides others. The man with good business sense who can smell a bargain afar off will succeed in business and will accumulate cash.

The man without business capacity may still succeed in the world, but he will not be the owner of much of this world's goods. The man of energy, prudence and progress will succeed because he will obey the natural laws that make for success. In his hands the separator will pay.

Clean the cow stables—even though it is summer.

## BABY DOLLARS.

Infant Prince of the Asturias Will Adorn New Spanish Coins.

The news that a new issue of Spanish "baby dollars" is in contemplation, in honor of the advent of a son and heir to King Alfonso and Queen Ena, need surprise nobody. The Spanish people are already used to seeing a baby's head upon their silver money, vast numbers of dollars so impressed having been issued a few weeks after the birth of Alfonso himself, who, as everybody knows, was actually born into the world a king, his father, Alfonso XII, having died some months previously.

This was a genuine coinage, done to circumvent the designs of the Carlist emissaries, who went about everywhere persistently circulating the story that no son had been born to the Dowager Queen, and that consequently the line of succession in that direction was permanently cut off. Insurrection and anarchy followed hard upon these lies everywhere. Even in Madrid itself a revolution was started, but this melted away of its own accord when the infant king was shown to the people by his mother, standing in one of the windows of the palace, a nurse supporting her on either hand.

It was this incident that suggested the coinage of the dollars in question, and it was, as it turned out, a perfect masterpiece of political wisdom.

In the rural districts, and especially in the mountains of Navarre and Catalonia, the peasants had in many instances actually revolted, when the appearance amongst them of the new coins, with the portrait of their infant king actually stamped on each and every one of them, caused them to throw down their arms. True, some few amongst them took them up again later on, in obedience to a belated manifesto from Don Carlos. But then it was too late. The baby dollars had done their work.



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