Board of Works

THE Maritime Farmer.

AGRICULTURE THE TRUE BASIS OF A NATION'S WEALTH

LORAN C. MACNUTT, Editor and Proprietor. FREDERICTON, N. B., WEDNESDAY, JANUARY 9, 1889. VOL. X., NO 19

PARSONS' PILLS

These pills were a wonderful discovery. No others like them in the world. Will positively cure or relieve all manner of disease. The information around each box is worth ten times the cost of a box of pills. Find out about them, and you will always be thankful. One pill a dose. Parsons' Pills contain nothing harmful, are easy to take, and cause no inconvenience. One box will do more to purify the blood and cure chronic ill health than $5 worth of any other remedy yet discovered. If people could be made to realize the marvelous power of these pills, they would walk 100 miles to get a box if they could not be had without. Sent by mail for 25 cents in stamps. Illustrated pamphlet free, postpaid. Send for it; the information is very valuable. I. S. JOHNSON & CO., 22 Custom House Street, BOSTON, MASS.

Make New Rich Blood!

GENERAL INSURANCE AGENCY.

WE are prepared to insure all kinds of Insurable Property in the City and County, at the **lowest current rates,** in any of the following old and MOST RELIABLE Companies:—

THE IMPERIAL, of London, England;
THE NORTHERN, of London, England;
THE ÆTNA, of Hartford;
THE HARTFORD, of Hartford;
THE FIRE INSURANCE ASSOCIATION, (Limited) of London, England;
THE CITY OF LONDON FIRE INSURANCE COMPANY, (Limited) of London, England;
"THE MUTUAL LIFE," of New York.

Representing in Capital and Assets upwards of $100,000,000

Detached Dwellings and their contents in Town and Country, insured on the THREE YEARS plan, at very low rates. In case of loss, a FAIR and satisfactory adjustment guaranteed, and the amount PROMPTLY PAID.

BLACK & HAZEN, Agents.

MONEY TO LOAN On Real Estate security at low rate of interest.
BLACK & HAZEN.

New York Life Insurance Co'y,

ESTABLISHED 1845.

Condition January 1st, 1888:

Cash Assets,	$83,079,845.00
Surplus,	11,846,793.00
Annual Income,	23,052,787.00
New Risks Assumed,	106,749,295.00
Total Risks in force,	358,935,536.00

H. A. AUSTIN,
General Agent for N. B.

HENRY G. ESTEY,
Agent for York County.

L. P. LaFOREST

Offers BARGAINS in all lines of his business.

TINWARE

in all lines a specialty.

FURNACES AND PLUMBING,

of all kinds. Prompt and satisfactory work guaranteed.

Phœnix Square, North Side, Fredericton

NOW IN STOCK FOR

FALL TRADE.

—AT—

WM. JENNINGS',

Merchant Tailor,

WIDE WALE WORSTED OVERCOATINGS, in a great Variety of Patterns.

—ALSO,—

A FINE SELECTION OF **Fashionable Trouserings and Suitings.**

WM. JENNINGS,
Cor. Queen St. and Wilmot's Alley
September 12

NOTICE.

NEW GOODS.

JAMES R. HOWIE,

Practical Tailor.

I BEG to inform my numerous patrons, that I have just opened out a very large and well selected stock of NEW SPRING CLOTHS, consisting of English, Scotch and Canadian Tweed Suitings. Fine Corkscrew and Diagonal Suitings, Light and Dark Spring Overcoatings, and all the latest designs and patterns in Fancy Trouserings from which I am prepared to make up in FIRST CLASS STYLE, according to the latest New York Spring and Summer Fashions, and guarantee to give entire satisfaction.

PRICES MODERATE.

Mens' Furnishing Depa tment.

My stock of Mens' Furnishing Goods cannot be excelled. It consists of Hard and Soft Hats of English and American make, in all the novelties and Staple Styles for Spring Wear. White and Regatta Shirts, Linen Collars, Silk Handkerchiefs, Braces, Merino Underwear, Hosiery and well selected assortment of Fancy Ties and Scarfs, in all the latest patterns of English and American designs

☞ Rubber Clothing a specialty.

JAS. R. HOWIE,
192 Queen St., Fredericton.

GREAT RUSH!

New 5 and 10 Cent Store,

Queen St., Fredericton.

JUST OPENED:

A large Stock of New Goods consisting of:

Glassware, Tinware, Woodenware, Hardware, Jewelry, Soaps, Pictures, Tops and thousand of Useful and Fancy Articles, at

5 and 10 Cents Each.

THOS. W. SMITH

HAS COMPLETED HIS STOCK OF

Fall and Winter CLOTHS,

CONSISTING OF

Melton, Knapp, Beaver, Pilot,

—AND—

WORSTED OVERCOATINGS.

English, Scotch, and CANADIAN TWEEDS,

French and German **Suitings.**

He feels confident that he can get up the Cheapest and Best Fitting Overcoats, Reefers and Suites of Clothes, that can be had in this city.

In Ready-Made Overcoats, Reefers and Suites, he is selling Overcoats from $5.00, up; Reefers from $4.00, up; Suites of Clothes from $5.50, up; Pants and Vests at the same rate. Knit Overshirts 50 cents each.

Call and examine before purchasing elsewhere.

Hats, Caps and Gent's Furnishing Goods marked down to the very lowest prices—no second price.

☞ Inspection of stock respectfully solicited, and will be cheerfully shown.

THOS. W. SMITH.
Fredericton, October 3.

FURNITURE PIECES!

AS PRESENTS.

A very large and complete stock in all the various kinds, suitable for presents.

Patent Carpet Rockers;
Bronze Rattan Rockers;
White Rattan Rockers;
Cane and Walton Rockers;
Students' Chairs;
Parlor Suites;
Bedroom Setts;
Centre Tables;
Hall Racks;
Gilt Pier Glasses;
Easels—different patterns;
Oil Paintings and Chromos;
Childrens' Chairs—all kinds;
Pianoforte Stools;
Pianos and Organs;
Extension Tables;
Davenport's or Ladies Writing Desks;
Side Boards—various styles;
Lounges, etc., etc.

LOWEST PRICES.

LEMONT & SONS.

CHEAP CLOTHING.

A SPLENDID ASSORTMENT for Men, Youths, Boys and Children all sizes from 5 years upward, best valued ever offered,

Child's Suits from.....	$1.40 to	$3.00
Boys " "	2.00 "	4.00
Youths " "	3.00 "	6.50
Mens " "	5.00 "	12.00

Bargains in Overcoats.
Bargains in Coats, Pants, and Vests.
Bargains in Jumpers and Overalls.

All Clothing made up in latest styles equal to best custom work, and guaranteed to give satisfaction. Inspection Invited.

SIMON NEALIS.

DAVIS' DRUG STORE.

THE SUBSCRIBER returning thanks for the liberal patronage of the past, and soliciting a continuance of the same, takes this opportunity of informing the public that he is in a better position than ever before to supply them every need. His stock comprises all the leading

PATENT MEDICINES,

PURE DRUGS,

Fancy Goods, Fancy Aticles,

HAVANA CIGARS,

PURE FLAVORING EXTRACTS

—AND—

SPICES,

Diamond Dyes and Diamond Stuffs of all Kinds.

Hair, Cloth and Tooth Brushes,

and everything to be found in a first-class drug-store. The Dispensing of Physicians Prescriptions receives my personal attention, and nothing but Pure Drugs used in compounding.

☞ REMEMBER THE OLD STAND.

GEORGE H. DAVIS',

DRUG STORE,

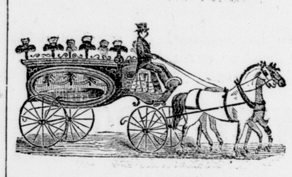
Cor. Queen and Regent Sts.

FREDERICTON.

November 28,

JACKSON ADAMS,

Principal Undertaker,



County Court House Square,

OPP. QUEEN HOTEL,

FREDERICTON, N. B.

☞ Orders from City or County promptly attended to, day or night.

Residence over Warerooms.

May 30

1888. 1888.

FALL AND WINTER.

Joseph Walker,

PRACTICAL TAILOR,

I have just opened one of the finest stocks that has ever been placed before the public in this City in the Tailoring Trade. All the latest designs in the following goods:

WIDE WALE OVERCOATING,

Cork Screws, Meltons, Beaver, Naps.

Fancy Trouserings a Specialty.

Call and examine before purchasing elsewhere. Always a FIRST-CLASS fit guaranteed.

PRICES MODERATE.

JOSEPH WALKER,

Next door above W. H. Vanwart's Grocery Store, Queen Street, Fredericton.

Fredericton, October 17

BURDOCK PILLS

SUGAR COATED

A SURE CURE

FOR BILIOUSNESS, CONSTIPATION, INDIGESTION, DIZZINESS, SICK HEADACHE, AND DISEASES OF THE STOMACH, LIVER AND BOWELS. THEY ARE MILD, THOROUGH AND PROMPT IN ACTION, AND FORM A VALUABLE AID TO BURDOCK BLOOD BITTERS IN THE TREATMENT AND CURE OF CHRONIC AND OBSTINATE DISEASES.

DR. LOW'S WORM SYRUP

DESTROYS AND REMOVES WORMS OF ALL KINDS IN CHILDREN OR ADULTS SWEET AS SYRUP AND CANNOT HARM THE MOST DELICATE CHILD

HARD COAL.

500 Tons

BEST ANTHRACITE COAL,

in Broken Stove and Chestnut sizes,

200 Tons

Best Sydney Coal

200 Tons Joggins House Coal.

E. H. ALLEN,
18 Regent Street.

The Favorite

Medicine for Throat and Lung Difficulties has long been, and still is, Ayer's Cherry Pectoral. It cures Croup, Whooping Cough, Bronchitis, and Asthma; soothes Irritation of the Larynx and Fauces; strengthens the Vocal Organs; allays soreness of the Lungs; prevents Consumption, even in advanced stages of that disease, relieves Coughing and induces Sleep. There is no other preparation for diseases of the throat and lungs to be compared with this remedy.

"My wife had a distressing cough, with pains in the side and breast. We tried various medicines, but none did her any good until I got a bottle of Ayer's Cherry Pectoral, which has cured her. A neighbor, Mrs. Glenn, had the measles, and the cough was relieved by the use of Ayer's Cherry Pectoral. I have no hesitation in recommending this

Cough Medicine

to every one afflicted."—Robert Horton, Foreman *Headlight*, Morrillton, Ark.

"I have been afflicted with asthma for forty years. Last spring I was taken with a violent cough, which threatened to terminate my days. Every one pronounced me in consumption. I determined to try Ayer's Cherry Pectoral. Its effects were magical. I was immediately relieved and continued to improve until entirely recovered."—Joel Bullard, Guilford, Conn.

"Six months ago I had a severe hemorrhage of the lungs, brought on by an incessant cough which deprived me of sleep and rest. I tried various remedies, but obtained no relief until I began to take Ayer's Cherry Pectoral. A few bottles of this medicine cured me." Mrs. E. Coburn, 19 Second st., Lowell, Mass.

"For children afflicted with colds, coughs, sore throat, or croup, I do not know of any remedy which will give more speedy relief than Ayer's Cherry Pectoral. I have found it, also, invaluable in cases of Whooping Cough."—Ann Lovejoy, 1257 Washington street, Boston, Mass.

Ayer's Cherry Pectoral,

PREPARED BY

Dr. J. C. Ayer & Co., Lowell, Mass.

Sold by all Druggists. Price $1; six bottles, $5.

HUMPHREYS'
HOMEOPATHIC VETERINARY SPECIFICS

For Horses, Cattle, Sheep, Dogs, Hogs, Poultry.

500 PAGE BOOK on Treatment of Animals and Chart Sent Free.

CURES—Fevers, Congestions, Inflammation. A. A.—Spinal Meningitis, Milk Fever. B. B.—Strains, Lameness, Rheumatism. C. C.—Distemper, Nasal Discharges. D. D.—Bots or Grubs, Worms. E. E.—Coughs, Heaves, Pneumonia. F. F.—Colic or Gripes, Bellyache. G. G.—Miscarriage, Hemorrhages. H. H.—Urinary and Kidney Diseases. I. I.—Eruptive Diseases, Mange. J. J.—Diseases of Digestion.

Stable Case, with Specifics, Manual, Witch Hazel Oil and Medicator, $7.00
Price, Single Bottle (over 50 doses), .50

Sold by Druggists; or Sent Prepaid on Receipt of Price.
Wells & Richardson Co., Agents, 64 McGill St., Montreal.

HUMPHREYS' HOMEOPATHIC SPECIFIC No. 28

In use 30 years. The only successful remedy for **Nervous Debility, Vital Weakness,** and Prostration, from over-work or other causes. $1 per vial, or 5 vials and large vial powder, for $5. SOLD BY DRUGGISTS, or sent postpaid on receipt of price.—Wells & Richardson Co., Agents, 64 McGill Street Montreal.

BEST ON EARTH

SURPRISE SOAP

THE GREAT SELF WASHER TRY IT

Send 25 Surprise or Sea Foam wrappers to us and get either the beautiful picture or 1 doz. Surprise lead pencils. A marvel of economy in time, labor and money. For the laundry and general household uses. Ask your grocer for SURPRISE Soap and take no other.

The St. Croix Soap M'f'g Co., St. Stephen, N. B.

I CURE FITS!

When I say CURE I do not mean merely to stop them for a time, and then have them return again. I MEAN A RADICAL CURE. I have made the disease of

FITS, EPILEPSY or FALLING SICKNESS,

A life long study. I WARRANT my remedy to CURE the worst cases. Because others have failed is no reason for not now receiving a cure. Send at once for a treatise and a FREE BOTTLE of my INFALLIBLE REMEDY. Give Express and Post Office. It costs you nothing for a trial, and it will cure you. Address Dr. H. G. ROOT, 37 Yonge St., Toronto, Ont.

SECRETS OF LIFE SENT FREE

A Private Treatise and Adviser in five languages; 24 illustrations. To young men only, and those contemplating marriage should not fail to send for it.

DR. LUCAS' PRIVATE DISPENSARY,
68 Randolph St., Chicago, Ill.

Charter Oak Stoves.

Just received:—20 of these celebrated stoves.

RELIABLE EVERY TIME.

Every one that is sold causes the sale of others.

"The Reasons Why"

they have stood the test for years. Their construction is so simple they cannot fail to operate. They are manufactured from the best Londonderry pig iron that is produced. They have a world wide reputation for durability and are exceedingly popular. Last, but not least, they have the wonderful wire guage door.

For sale by the agents.

R. CHESTNUT & SONS.

Miscellaneous

The Maiden's Blunder.

"There are fish in the sea," said the maiden fair,
"As good as ever were caught, so there!"
And she jilted her beau and away went he,
And she found, although there were fish in the sea
As good as ever were brought to land,
They wouldn't come out at her command,
And the beautiful maid grew pale and sad,
And wished she had kept the one she had.

Wouldn't it be funny to see a ship manned by women.

There are a number of varieties of corns. Holloway's Corn Cure will remove any them. Call on your druggist and get a bottle at once.

It isn't half as hard to swing an axe over the wood pile now as it will be next month.

The weakness and debility which result from illness may be speedily overcome by the use of Ayer's Sarsaparilla. This is a safe, but powerful tonic, assists digestion, regulates the liver and kidneys, and cleanses the blood of all germs of disease.

The sun never sets except in the west, but a hen will set anywhere.

There is not a more dangerous class of disorders than those which effect the breathing organs. Nullify this danger with *Dr. Thomas' Eclectric Oil*—a pulmonic of acknowledge efficacy. It cures lameness and soreness when applied externally, as well as swelled neck, crick in the back; and, as an inward specific, possesses most substantial claims to public confidence.

When a young man asks a young lady for her hand, in nine cases out of ten she will refer him to her paw.

"Golden at morning, silver at noon, and lead at night," is the old saying about eating oranges. But there is something that is rightly named Golden, and can be taken with benefit at any hour of the day. This is Dr. Pierce's Golden Medical Discovery, literally worth its weight in gold to any one suffering with scrofulous affections, impurities of the blood, or diseases of the liver and lungs. It is unfailing. By druggists.

There are 42 firms in the United States engaged exclusively in the manufacture of chewing gum. Their trade is increasing, and it is estimated that the value of their product this year will not be less than $10,500,000.

THE PROGRESS OF MEDICAL ENLIGHTENMENT has led to the abandonment of many antiquated remedies of questionable value, and the adoption of newer and more rational ones. Prominent among the latter is Northrop & Lyman's Vegetable Discovery and Dyspeptic Cure, the justly celebrated Blood Purifier, a comprehensive family remedy for liver complaint, constipation, indigestion, loss of physical energy, and female complaints.

It was nearly midnight, and she was gazing dreamily into the fire. A penny for your thoughts, Miss Clara, he said, airly. Well, I was thinking, George, how very much annoyed papa was to-day over the amount of last quarter's gas bill. Very soon after he left without giving her the penny.

On the vergo of Starvation.

"For three months I could not eat a full meal or do a day's work. I bought a bottle of Burdock Blood Bitters, begun using it, and in three days my appetite returned, in a week I felt like a new man. It was wonderful what one bottle did for me," writes Arthur Allchin, of Huntsville, Muskoko, who suffered from Dyspepsia.

Women are beginning to make their power felt in questions having both political and social aspects. In the United States there are forty-eight national societies of women with a direct membership of 500,000 members, the largest being the Women's Christian Temperance Union, with a membership of 210 000.

Consumption Cured.

An old physician retired from practice, having had placed in his hands by an East Indian missionary the formula of a simple vegetable remedy for the speedy and permanent cure of Consumption Bronchitis, Catarrh, Asthma and Lung Affections, also a positive and radical cure for Nervous Debility and all Nervous Complaints, after having tested its wonderful curative powers in thousands of cases, has felt his duty to make it known to his suffering fellows. Acuated by this motive add a desire to relieve human suffering, I will send free of charge, to all who desire it, this recipe in German, French or English, with full directions for preparing and using. Sent by mail by addressing with stamp naming this paper W. A. NOYES, 149 *Power's Block, Rochester, N. Y.*—1 yr., eow.

Patrick—"Oi've been readin' the *Evenin' Globe* to-day, Biddy. 'Tis starvin' we are."

Biddy—"Be away wid yer nonsense. Shure, haven't we money in our pockets an' money in the bank?"

Patrick—"True, Biddy; but it's gloomy Oi feel when Oi see what the *Globe* says of our country. Can't we economize, Biddy?"

Biddy—"Wull, yez moight save a dollar or two a year by sthop buyin' the *Globe*.

Patrick—"Be jabers, Oi wull."

C. C. RICHARDS & Co.

Gents,—We consider MINARD'S LINIMENT the best in the market and cheerfully recommend its use.

J. H. HARRIS, M. D., Bellevue Hospital.
F. U. ANDERSON, M. D. L. R. C. S., Edinburgh. M. R. C. S., England.
H. D. WILSON, M. D., Uni. of Penn.

A good story is told of a man who put too much faith in dreams. His wife lost a fur collar, and the most carefnl search being made for the article without success, she came to the conclusion that it had been stolen. Last week her husband dreamed three nights in succession that the collar was secreted under a stump near his barn, and he went to investigate. He thrust his hand into a cavity beneath the stump, and, sure enough, felt a furry substance, which he pulled out. The man then went home and changed his clothes while the skunk escaped.

ADVICE TO MOTHERS.—Are you disturbed at night and broken of your rest by a sick child suffering and crying with pain of Cutting Teeth? If so send at once and get a bottle of "Mrs. Winslow's Soothing Syrup" for Children Teething. Its value is incalculable. It will relieve the poor little sufferer immediately. Depend upon it, mothers; there is no mistake about it. It cures Dysentery and Diarrhœa, regulates the Stomach and Bowels, cures Wind Colic, softens the Gums, reduces Inflamation, and gives tone and energy to the whole system. "Mrs. Winslow's Soothing Syrup" for children teething is pleasant to the taste and is the prescription of one of the oldest and best female physicians and nurses in the United States, and is for sale by all druggists throughout the world. Price twenty-five cents a bottle. Be sure and ask for "MRS. WINSLOW'S SOOTHING SYRUP," and take no other kind. Feb. 1, 1y.

FARM NOTES.

Remember that the sire is half the herd.

More mutton and less pork should be used on the farm.

Breed, weed and feed are the three needs of stock raising.

In one respect the ladies have a parallel. The spring chicken never tells its age.

Making the most of it: Feed a hen a pint of corn, and she will eat it by the peck.

Cows cannot make much milk without plenty of suitable food to make it out of.

Old newspapers or brown wrapping paper can be used for rendering the poultry house warm.

All the great pork States report a shortage of from 11 to 25 per cent. as compared with last year.

The more an animal is exposed the less it will produce either of pork, wool, mutton, beef or milk.

Turnips and other roots should be sliced for cattle, and not chopped, as the chopped roots often choke them.

Fine, silky hair on an animal indicates that it will fatten readily, while coarse, stiff hair indicates the reverse.

The farmer who thinks his paper is not practical enough should contribute some of his own practical knowledge and experience.

More pounds of pork can be produced from the same food than beef. The pig utilizes a larger percentage of food than the beef animal, or than sheep.

The "thumps" in pigs is caused by too rich living and too little exercise. It is what is termed fatty degeneration, affecting principally the heart and lungs.

The dregs of coffee are conducive to showy leafage and the abundant blossoming of house plants. The grounds make a good mulch for plants in a dry room.

Do not worry because you have no blooded stock till you improve what you have. Breed only from thoroughbred sires, and soon you will be able to go up higher.

Save up all the wood ashes. They make a good top dressing for the onion bed in spring, or can be used to a good advantage by applying in the hills with potatoes.

Farmers, like other men, want to get along with as little trouble as possible, and a simple, convenient and economical heater for warming water for stock is a necessity.

An attempt to grow seedless apples has apparently succeeded. After much trouble there are now two varieties of the coreless kind, both said to be of good size and taste.

To make winter dairying profitable, cows must have good warm quarters to keep them comfortable in cold weather and be kept out of the storms. The old way of having them run out in the barnyard with no shelter but an open shed, will not answer.

According to the *Bee Journal* there are in North America about 350,000 persons keeping bees. The annual product is about 100,000,000 lbs. and its value nearly $15,000,000. The annual wax product is about 500,000 lbs. and its value more than $100,000.

The shorter the manure the better it can be distributed over the land and the more valuable it is for providing plant food. All long manure entails useless labor in its handling. To throw coarse substances on the manure heap and expect them to decompose by spring, is not only a loss of labor, but a waste of time.

A Yankee has invented an apparatus for timing horses. A clock with three hands—minute, second and quarter hand—is started by the official timer. When the winning horse touches the wire the clock is stopped by electricity. The same instant the current opens a camera, which photographs the horse and the clock face.

The chill can be taken off from the water used for drinking with profit. We do not believe in hot water for fowls, but there is every reason to believe that slightly beneficial. If it is not warmed artifically the fowl has to warm it before it is taken into the system and that means a waste of carbon from the food that can just as well be saved and turned to more profitable use.

While the fields are bare of snow, sheep prefer to grub the sere fields to being fed at the barn, and will take to the fields and remain there if not driven up. Every farmer ought to have some sheep, but unless he can give them good attention he is better without them. And at this season they need special care, so that they are kept healthy and started in winter in good condition.

Pigs should never be raised in a small, close pen—they may be started there in the spring and finished off during the last six weeks of their life in comfortable pens, but the summer months should be spent in the open fields, among the clover and the grasses. The aim should be to make the pig grow rapidly, but he should not be made what is called fat until near the close of his life.

A Pennsylvania correspondent writes to the *Country Gentleman* that his winter grain ration for milch cows is of one half wheat or buckwheat bran, and the other half meal, made by grinding corn, rye and oats together in equal parts, and give each cow about four quarts of the mixture both morning and night, fed dry. For succulent food he feeds pumpkins, storing twenty or thirty loads in his barn basement.

Consumption Surely Cured.

TO THE EDITOR:

Please inform your readers that I have a positive remedy for the above named disease. By its timely use thousands of hopeless cases have been permanently cured. I shall be glad to send two bottles of my remedy FREE to any of your readers who have consumption if they will send me their Express and P. O. address.

Respectfully,
DR. T. A. SLOCUM,
Toronto, Ont. 37 *Yonge Street.*

Horse Individuality.

One thing very curious and interesting about a horse is its individuality. This is a characteristic common to all animals, undoubtedly, to a greater or less degree, but surpassingly so we think in the case of the horse. How this characteristic varies in horses is well-known by any one who has ever intelligently drawn a rein over a good roadster. The individuality of horses vary as much as that of men. Every one has a different mental as well as physical make up. Some horses seem to possess sense, are quick to understand and obey the least sign, motion or word of their master; others are not inaptly termed "lunkheads," always awkward, lumbering about, difficult to teach, and never make anything in a horse-ological sense. It may be true that these traits in a horse are sometimes due to the habits of his driver or owner, and that the horse himself may not be so much to blame for his ignorance, but however much he is excused on this score, there is a surprising difference in these mental qualities of horses. Some men drive their horses for years and yet never realize anything, or that there is any more difference between them than there is between so many barrels of saw-logs. Other men who handle horses a great deal, who buy and sell frequently, and who study much their different characteristics, will tell you how wonderful horses are, how much more they know than some men, how each one has to be driven and handled differently, and how much they will sometimes teach even their drivers.

Between a nervous, sensitive and intelligent horse and his considerate owner how large a union of fellowship and sympathy exists. In the stable, on the road, if over-taken by an accident, the cool, sensitive man is sure to have a quick sympathy for his horse. He trusts his master, as his master trusts him. If the master is quiet, the horse will be equally so, knowing everything is safe; if the man blusters, or becomes anxious, or exhibits fear, the horse knows it at once, and becomes restive likewise. Oh, that men only knew that horses know much more than they give them credit for, and that they would use them more humanely, as they should, than they do now. Horses are not brutes, they are noble, intelligent, sensible creatures, the most useful animal servant which divine goodness has given to man.

Successful Agriculture.

An English agriculturist well up in applied scientific methods of farm culture, gives a good practical definition of the methods of successful agriculture, and it has so much good common sense that it is worth reproducing, as it is applicable here and everywhere. He said:—

"Scientific agriculture was organized systematic knowledge applied to these practices and customs which were the outcome of ordinary every day experience, commonly known as rules of thumb. The art of agriculture arose from the necessity of caring for the soil; and the modern science of agriculture taught the reasons of the various customs and devices employed by furmers in all times, and in nearly all places. Scientific agriculture might be synonymous with the best systems of practical farming, or it might mean that agricultural practices should be alter and based upon the theories of writers and professors, who sometimes attributed stupidity to farmers, and desired to adopt foreign methods and novelties. Honest money-making farming was the scientific agriculture of the day, and not theories. Scientific agriculture simply lifted thumb rules out of indefinite haziness and turned them into clearly definite principals, which could be submitted to the most searching investigations. The present knowledge of agriculture was due to nothing more than the experience of those who had gone before, together with the experience of scientific men, but he feared that economic theories were by a good many people considered the only solution of the agricultural problems. Referring to the teaching of agricultural science, he was of opinion that teachers should be itinerant, in order that they might come in contact with the farmers in the different districts, and to prevent them becoming the mere mouthpieces of text-book makers."

The itinerant feature here hinted at is a new phase of instruction by farmers' institutes, coming so much into favor in the United States.

Evils of Close Planting.

In discussing the evils of two close planting of trees in orchards the *American Agriculturist*, in a recent issue, says:—

A promising orchard of three hundred trees, the property of a neighbor of mine, just beginning to bear, and on which the owner realized $900 last season, was sacrificed to a close-planting policy. The trees, which one year ago showed evidence of health and vigor, have assumed a sickly appearance. Cutting out every alternate tree, with a liberal dressing of fertilizers, will save the orchard, if the owner has the intelligence and nerve to do it at once. But what a loss to the soil, this production of one hundred and fifty trees which can only be "cut down and cast into the fire!" And "the survival of the fittest" will be set back two years, at least, by this plan of planting and then thinning an orchard.

The apple tree demands a rich, moist soil. If those conditions are furnished, it assumes large proportions and gives immense yields. Why then, dwarf, starve and mutilate? Is it not better to have five thrifty trees producing twenty bushels of healthy, fine fruit, than twenty trees with forty bushels of wormy, knotty, gnarly specimens, fit only for pigs? In the latter instance the soil is taxed to produce the wood of twenty trees instead of five.

The cost of purchasing, planting, etc., all contribute toward swelling the contrast in the amount paid out. In the first instance you will be rewarded with satisfactory results; in the latter there will be disappointment, loss of time and money, and a failure to realize when your orchard comes to bearing. The same results, comparatively, though not rapidly, manifest themselves with regard to the vine. Too close planting will sooner or later result disastrously. The proper distance for setting apple trees is from thirty to forty feet.

Keeping too much Stock.

Too many farmers undertake to keep more stock over winter than they have made provision for. If the winter is unusually severe, or cold weather holds on till late in the spring, they find the supply of grain and hay running short, and they are compelled to reduce the allowance of food, with the result that the animals lose flesh and it requises some little time on pasture to recover what has been lost. This means a loss of money, for the flesh lost has not been put on without expense and there is nothing to show for this, and there is a loss of time besides. The prudent man will retain only so much stock as he can provide liberally for all winter, thus insuring a steady growth. It will be found better economy to sell off some of the stock in the fall, even at a low price, and keep a smaller number in better condition. In the case of animals intended for the butcher, early maturity is important, and to secure this, constant and rapid growth is essential. Particularly important is it that the young stock should have an abundance during the first winter, for if kept on scanty rations they become stunted, and not only is there a loss of time, but they never do so well afterwards, even when fed liberally. The colts and calves are the most frequently neglected, seemingly under the impression that they do not require much food and will get along in some way without special care.

Sheep Breeding.

There is, as is well known and often spoken of, a great deal of carelessness in all lines of breeding. Still the number who have a more or less well defined object in breeding cattle or horses is large and growing larger. Such people know about what kind of an animal they want or think they do, and recognize the principle that like produces like. Hence they make, or endeavour to make, an intelligent selection of the sire at least. If they desire to create a draft horse by the use of common mares as breeders, they will seek for a full-blooded draft stallion. The principal defect in their method is more often discovered in the fact that they are not particular enough in investigating the pedigree of the horse. Their ideas, however, are correct enough. But when it comes to breeding sheep there is to often an utter disregard of the fact that like produces like. Our ewes may be defective in certain directions, but instead of selecting a ram that is strong just where our ewes are weak, it is to often the case that we select the ram with no other idea at best than to get a thoroughbred. The only way to create a perfect flock, aside from a vigorous weeding out, is to closely study the defects of the individual animal, and seek to remedy them by the use of a ram that is free from such defects.

Sparrows in Australia.

A bill has been introduced into the Legislative Council to provide for the destruction of sparrows. It is proposed that the Board of Land and Works shall be required to suppress sparrows on unoccupied Crown lands, and that the work of suppressing and destroying these birds in municipal districts shall be entrusted to the local councils. Inspectors are to be appointed by the councils with full power to enter upon private lands and search for the sparrows, and in the event of it being found that they are frequented by such birds the landowner in each case may be required to take reasonable and diligent steps for their suppression. If he fails to do so he is to be liable to a fine of £5, and the inspector may enter land and destroy the sparrows at the owner's cost. The municipal councils themselves are to be required to destroy these birds on the commons, and if the councils fail to carry out the act, the Minister may be authorized to do so at their risk. The municipalities are to be empowered to pay for the destruction of sparrows and sparrows' eggs, and a penalty not exceeding £20 is provided against any person who wilfully permits any sparrows to be set loose in any part of Victoria.

It may be only a few years before the United States will be compelled by the force of circumstances to seek for new customers in the markets of the world. For wheat, cotton, and meat England is now their best customers. It has been shown that for the English trade in wheat, India, Russia and Canada are competitors, while in cotton Egypt is beginning to be a formidable rival. In 1887, the Argentine Republic had 100,000,000 sheep and 38,000,000 cattle, and it was stated that only a beginning had been made in the way of stocking the country. The River Plate Frozen Meat Company ships weekly 7,000 carcasses of beef, refrigerated, to Europe, and as soon as the new harbor works at Buenos Ayers are completed, so that vessels can load directly at the meat factories, the cost of handling and freight will be so reduced that we may expect to see most of the cheap meat sold in European cities furnished by South America.

Fruit growing pays in combination with general farming. Fruit brings money easier and the pleasure of its culture is much greater. Good fruit is always saleable and yields profit in greater or less degree. As to varieties, grow what the public demands. You cannot form and control the public taste. Gluts sometimes occur, and we must expect them and bear the consequences, but on the whole there is money in fruit growing.