







AGRICULTURE, &c.

PRINCIPLES OF PLOUGHING.

No man who has observed the difference between good and bad ploughing, but will admit that there is an art in guiding and managing the plough at which few farmers arrive. To constitute a good ploughman, a man must have something of a mechanical turn, and must well understand the different objects in view in ploughing the different kinds of soil for the succeeding crop. If there is any defect in the structure, form, or arrangement of the plough, he should be capable of discovering it, and correct or direct its correction, so that the work may be performed in the best possible manner.

The plough should always run level, so as to cut a furrow slice of equal thickness and such a width, that the share should cut it clear all but a small turning pivot strip, to enable the mould-board to effectually invert the slice. The sides adjustment of the plough should be made by proper arrangement of the points of resistance and the use of levers to neutralize each other progressively, in adjusting the draft for the purpose of making the plough run steady. These are points which require experience and close observation to learn, and in the absence of an exact criterion to explain are seldom fully understood by ploughmen.

The ploughman should observe the condition of the soil, and the effect of ploughing improperly, and be able to judge correctly when it is in proper condition for that operation. If ploughed when too wet its fertility may be injured for the whole season, or longer. Rich soils may be rendered incapable of producing half a crop by breaking up when too wet. No plough should be put into a soil when it is so wet as to receive a polish from the mould-board, and many others, must be matters of study and attention to him who intends to become a thorough ploughman.

THE INSECTS.

Farmers and gardeners are much annoyed and often damaged by the depredations of insects upon their crops. And yet but very few farmers and gardeners understand the natural history of even the most common insect which they often combat, and which frequently baffles all their skill in warring off its attacks.

Last winter a letter was given by Dr. Sanborn, of Andover, Mass., in the object of entomology before the friends of agriculture in the Representative Hall in Boston. He urged the necessity of attention being paid by cultivators to the study of insects in order that they might better understand how to defend themselves against them, and save their crops from their aggressions.

The following methods of effecting this were recommended by him:—For the diffusion of useful knowledge of insects he said that he had two plans to propose, the first was to have their pictures taken and shown up, so that all farmers and children should "know them like a book." He would have the most prominent ones taken in their different stages from the egg, with that included, when practicable, with common and scientific names, and characteristics, &c., and published in a kind of hand-book, rendered so cheap by legislative patronage as to be afforded in every farm house, so that every occupant on finding a new insect might find it there also, and know at once how to treat it.

The second method was to have farmers preserve one specimen of all kinds of insects found on their farms during the season, and exhibit them at agricultural shows, and to have committees select, examine, label and illustrate to the assembled host of listeners each specimen, and award premiums according to merit.

We like the plan suggested by Dr. Sanborn. It would afford both amusement and practical instruction to a farmer, if he would spend a little time in collecting specimens of insects and studying their manners and customs, and would make a useful exhibition at cattle shows.

To Destroy Lice in Stables.—It often happens that lice are in our way, that we desire to remove "foot and tail" in the shortest possible time. Many trees are liable to throw up sprouts for yards around, and for years after being cut down, to the great plague and trouble of the owner of the soil, keeping him digging and grubbing to remove the sprouts to the detriment of his crops and his own patience—such for instance as locust, poplar, gum and oaks.

To Ascertain the Weight of Live Stock.—First see that the animal stands square, then, with a string, take his circumference just behind the shoulderblade, and measure the feet and inches; this is the girth. Then measure from the base of the tail which plumbs the line from the hinder parts of the buttock, and direct the string along the back to the fore part of the shoulderblade, and this will be the length. Then work the figures thus: supposed girth 5 feet 3 inches, length 5 feet 3 inches, which multiplied together give 23 square superficial feet; and this multiplied by 23 (the number of pounds allowed for each superficial foot of cattle measuring less than seven and more than five feet in girth), 533 lbs. When the animal measures less than five and more than three, multiply the girth by the length, and the product by 19 for its weight. We have seen these rules tested, and believe them sufficiently accurate in computing the weight of live stock.

How to Straighten Trees.—I lately visited a pleasure plantation, and observing that all the trees were remarkably straight-stemmed, was told that it was by straightening themselves by simply running down a silk in the bark, with a knife, on the side towards which the tree is desired to come.

SAINT JOHN HOTEL BUILDINGS.

JUST RECEIVED by the subscriber, in good order, per the steamer "Mary Ann," "Wren," "Fruit," "Caroline," and "Catherine Brown," the following Goods, which he will sell wholesale and retail at moderate rates:—20 chests superior Breakfast Scones; 20 boxes Tomato Ketchup; 3 barrels Beans; 200 lbs. Green Java Coffee; 1 bag whole do.; 10 Stalder's Scotch Soap; 3 boxes Yeast Powder; 1 case Olive Oil; 3 boxes Cream of Tartar; 2 boxes Lemon Syrup; 1 do. Sperm Candles; 2 cases Praline Sweets; 3 cases Letter Paper; 3 cases American Matches; 30 cases Straw Wrapping Paper; 10 do. Crown do.; 4 cases Foot-cap Paper; 13 do. Leaf Papers; 5 do. Carpenter's Pencils; 2000 ball, straw, and White Envelopes; 10 gross Leather-headed Tacks; 300 papers Carpet do.; 31 lbs. Dried Apples; 50 lbs. Cut do.; 1014 Coconuts; 3 barrels Potatoes; 1000 lbs. Flour; 5 do. Whip Handles; 2 gross Fluid Wicking; 3 do. Raw Haul Whips; 3 boxes Candle do.; 5 boxes Ground Ginger; 2 cases Cotton Batts; 10 Harger's Diamond 10s. Tobacco, a superior quality; 3 Wine Sap do.; 4 Lamps do., extra quality for chewing; 6 dozen Washboards; 12 do. Corn Brooms; 2 do. Wooden Faucets; 2 do. Patent do.; 10 boxes Clothes Pins, No. 1; 1 do. Mining Trays; 3 do. sets Measures; 10 Children's Willow Basket Carriages, new variety.

TO LET.—The Hole in the Rock. 1 G. 1. No. 10, Germain Street.

WOULD invite the attention of his friends and customers to his present Stock of Goods, which has been completed by goods from the ships John Duncanson, Middleton, and Courier, consisting of West of England CLOTHS, FUR BEARERS, VELVET CLOTHS, FINEST BAY, and other goods, in Berlin, Silk and Velvets, TROUSERS in endless variety—these goods he can recommend as being superior to any yet seen in the city, and in making his up no care shall be spared to sustain the preference he has hitherto received.

THE EXHIBIT OF GREAT BRITAIN, by Viscount d'Albion. St. John's Manual, a Guide to the Public Works and Services of the Cape Colony; and a Vindication of Italy and the Papal States, from the Charge of Bloodshed.

STEAM ENGINES. (High and low Pressure, For Boats, Saw, or Grist Mill, and for Propelling any kind of machinery.) Steam Engine Boilers for Marine or Land purposes made and repaired; all kinds of Machinery repaired. Brass and Iron Turned, made to order. BRASS AND IRON TURNING; Blacksmith Work of all kinds executed promptly and on favorable terms. As cheap or cheaper than any other Establishment in the Province.

AMERICAN SYSTEM OF BREADING HOUSES. No. 27, Water Street. THE Subscriber, in returning thanks to his friends and the Public for the very liberal patronage bestowed on him since his commencement in business, solicits a continuance of the same, and would further add, that having served a regular apprenticeship to the Engineering and Millwright business in Great Britain, and having practised the same the last thirty years, continues to manufacture at the above Establishment all kinds of STEAM ENGINES. (High and low Pressure, For Boats, Saw, or Grist Mill, and for Propelling any kind of machinery.) Steam Engine Boilers for Marine or Land purposes made and repaired; all kinds of Machinery repaired. Brass and Iron Turned, made to order. BRASS AND IRON TURNING; Blacksmith Work of all kinds executed promptly and on favorable terms. As cheap or cheaper than any other Establishment in the Province.

NOTICE TO BOARDERS.—A limited number of Gentlemen can be accommodated with BOARD at Mrs. LEWIS, No. 81, Princess Street.

GERMAIN STREET BAKERY, FRONTING C. M. ACLAIRY begs to inform his friends and the public generally that he continues to make the best HOUSEHOLD BREAD, and every description of PLAIN and RICH CAKES; also, always on hand BRIDE CAKE, (not to be equalled in the Province.) Call and judge for yourselves. Only Flour of best quality used at this establishment. May 29, 1857.

LIVERPOOL AND LONDON Fire and Life Insurance Company.

Established in 1836—Empowered by Special Acts of Parliament. Capital, £4,000,000 Sterling. Fire Insurance against Loss of damage by FIRE, on every description of Property. Losses paid promptly on proof of claim. NEW BRUNSWICK BRANCH: Office—No. 20, Market Street, St. John.

THE Subscriber would take this opportunity of returning thanks to his friends and the Public for the liberal share of patronage he has received during the past year, while doing business in the Establishment known as VULCAN FOUNDRY, on the south side of the City, and having removed directly opposite to his former place of Business No. 11 and 13, Main Street, where he intends to carry on the Foundry Business in the various branches of ENGINE, MILL, and SHIP WORK, such as Boilers, Cramps, Wiscags, Hoisting Wheels, Jack Screws, &c. &c. Together with a variety of the most approved STOVE PATTERNS and FRANKLINS, all of which will be sold at the most moderate rates.

THE Subscriber respectfully informs his friends and the public that in order to provide for the liberal patronage which a large and commodious house of entertainment in this City, he has purchased and fitted up at great expense that large and convenient Hotel, situated on the West side of the City, and known as the FOUNTAIN HOUSE, where he intends to serve the public, and will be able to accommodate a large number of persons with well furnished single beds, rooms for sitting, dining, and other conveniences for the comfort of travellers or permanent boarders. Also, a splendid barn—new and to exceed in size and utility any other in the city, and a large yard attached, all under cover, where carriages, and loads of country produce can be dried in free from storms.

THE Subscriber wishes respectfully to inform his friends and the public that he has been patronized and assured that strict attention will still be paid to those who favour him with their patronage.

PHOENIX LIVERY STABLE. THE Subscriber has removed to his Livery Stable to the Phoenix Yard, between the City and Market Street, (two or three doors north of the country market) and begs to acquaint the public that he has on hand a number of the best bred Horses, of various colors, of the best kind, speed and durability together with Carriages, Buggies, Wagons and Saddles, or in any style to suit customers. He is prepared to be well accommodated, and no imposition.

NOTICE. A. Estate of the late DANIEL SHUCK, deceased, will stand in their Account, duly attested, within three months from this date, and all Persons indebted to the said Estate, will make immediate payment. WILLIAM MELBOURNE, Executors.

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ROYAL INSURANCE COMPANY

Capital, £2,000,000 Sterling. The Subscriber having been appointed Agent for the above Company for New-Brunswick, begs to announce that he is prepared to receive proposals for FIRE AND LIFE ASSURANCE. The large Capital of the Company, and the number and influence of its Proprietors, enable it to rank with the most eligible Offices, either in America or Europe, with respect to the advantages offered to the Public.

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HEALTH OR SICKNESS? CHOOSE BETWEEN THEM.

HOLLOWAY'S PILLS. The blood furnishes the material of every bone, muscle, gland and fibre in the human frame. Where pure, it secures health to every organ; it necessarily produces disease. HOLLOWAY'S PILLS operate directly upon the elements of the system of life, neutralizing the principle of disease, and thus radically curing it, whether located in the nerves, the stomach, the liver, the bowels, the muscles, the skin, the brain, or any other part of the system.

ALARMING DISORDERS. Dyspepsia, and derangement of the liver, the source of infirmity and suffering, and the cause of innumerable diseases, yield to these curatives, in all cases, however aggravated, acting as a mild purgative, alterative and tonic; the relief of the bowels, purifies the fluids, and invigorates the system and the constitution at the same time.

DELICATE FEMALES. When all stimulants fail, the renovating and healing properties of these GENUINE FRANCHIS PILLS, restore the delicate and sensitive organs of the sex, are removed or prevented by a few doses of these pills, but inflexible alteratives. No mother who regards her own or her children's health should allow them to depart without first reaching.

SCIENTIFIC ENDORSEMENTS. The London "Lancet," the London "Medical Review," and the most eminent of the faculty in Great Britain, France and Germany, have eulogized the Pills and their inventor.

HOLLOWAY'S PILLS are the best remedy known in the world for the following diseases: Asthma, Female Complaint, Stone and Gravel, Bowel Complaint, Headache, Secondary Syphilis, Indigestion, Symptoms of Cholera, Inflammation, Venereal Affections, Dropsy, Liver Complaint, Worms, of all kinds, Debility, Lame Paralysis, Fever and Ague, Lame Paralysis, Sold at the Manufacture of Professor Holloway, 50, Maiden Lane, New York, and 241 Strand, London; and Dealers in Medicine throughout the United States and the civilized World, in boxes at 25 cents, 62 cents, and 15 each.

FOR SALE. A LOT OF 100 ACRES OF LAND, situated on the West side of the City, and known as the FOUNTAIN HOUSE, where he intends to serve the public, and will be able to accommodate a large number of persons with well furnished single beds, rooms for sitting, dining, and other conveniences for the comfort of travellers or permanent boarders. Also, a splendid barn—new and to exceed in size and utility any other in the city, and a large yard attached, all under cover, where carriages, and loads of country produce can be dried in free from storms.

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