

graze?; young cattle best for; clover in England 17 - improvement of inferior, boggy land; feeding-down level 48

Pastures, permanent—Pacey's perennial ryegrass: for butter, native grasses, poor timothy, a good mixture, lucerne for; orchard-grass lots of seed; how to prepare the land for, what is a fair day's ploughing—30—the grubber or scarifier good ploughing, water-furrowing, harrowing, rolling, &c. feeding better than mowing young; chain—or bush—harrowing; *maison* for; bone-meal, extra food for stock on 51, 183

" by grazing, injury to 23, 24, 36

" top-dressing 79

" bones in Cheshire for 24

" Vale of Aylesbury 36

" treatment of 131

" Moore on clean land for laying down 166

Parishes N. of Quebec, Moore on the 128

Parsnips 72

Pease, for calves 26, 79

" for butter and beans in England

Board on; crop of; plaster for; how to sow; cultivating, for pigs, pease-straw, horse-beans 54

" English 184

" crops of 99

" linseed, and barley meal for butter 111

" bad crop of—1892 140

" Lucerne crop of 114

" for pigs 54

" 191

Percherons in Canada, Auzias Turenne on 94

Phosphates for pastures 103, 132

" in lucerne-roots 106

Phosphoric acid and nitrogen, cheapest sources of—quantity used by plants—60—and potash; humus; free nitrogen, the leguminosæ; microscopic fungi; lime—61—Kainit and basic slag; experiments with 62, 69, 92

Phosphoric acid 23, 37, 60, 69

Pigs, pease for 191

" see p 191

" Laves on feeding 111, 152

" consumption of food by 111

" and henyard 119, 145

Plaster 54, 59, 111, 132

Planting cabbages -hallow 112

" tobacco 56

Pleuro-p. in England 184

Ploughing in pulse-crops 61, 69, 92, 160

" fall 51

" land when wet 59

Ploughs, States' vs. English 60

Plots, large or small for experiments 132

Plumule of barley the 98

Plymouth-Rocks 107

Potatoes, cost of an acre of—preparation of land, width of rows, &c. cultivation, harrowing, not to be earthed up, Paris-green, digging, yield of crop 117

" Willis on—Rothamsted experiments, field of manure and unmanured, fertilisers—124—nitrogen and non-nitrogen manure, dung, superior yield of artificials; results 125

" Win Hale on 1st prize-crop of comp. yield of in 117

" Jensen's cure for disease, Veitch on 9, 27, 48, 53, 55

Potatoes, Chancellor on—10—Hale on 89

" LePice on—bouillie-bordelaise 14

" Canada and States, cost of growing, cultivation—89—cutting seed, P. green, yield of crop 90

" Jenner Fust on—soils and treatment—German theory vs. English practice; sulphate of am. nitrate of soda and potash for; preparation of land, couch-grass, grubber; sorts to plant, cultivating, harrowing; earthing up; change of seed, size of sets, Bouillie-bordelaise; P. green; yield per acre 72

" enormous French crop of 102

" in Montreal, cheap 102

" in Rhode-Island 112

Points of malting barley 98

Ponies and Percherons Barnard on—Three-Rivers' ponies—heavy loads 90

" Auzias-Turenne on—Canadian pony; horses of Vt and N. Hampshire; the French "Canuck"; "Clement"—94—Norman; Morse's horse 95

" Couture on—Auzias-Turenne on—historical view of, build of both breeds, craniology 91

" Ness on—good pony-built horses in Beauharnois the Haras-N 91

Poplars 42

Port Canadian 171

Potash—for potatoes 72, 102

" in lucerne-roots 106

" failure of 52

" 61, 72

Poultry, no more full-crops in market 7

" 107

Pressure to cure wireworm 22, 23

Predictions, weather 16

Price of wheat in England 7

" of stock in England 186

" the butcher's and farmers' 8

" of butter 11

" of malting-barley in Canada and England 99

" of milk 110, 153

" of sheep 185

Prince Edward Island, Gigault on Ag. laws of 166

Prickly-comfrey 108

Prize farm of R A S of Eng, the first 158

Prizes for essays on Jerseys 116

" for building siloes 174

" crop of potatoes, the first 89

Profit in beet-growing 84, 85

" of dairying and fattening beasts 79

Protein in food 111

" in timothy 111

Provincial Exhibition of 1892, the 167

Provincial Exhibition of 1893, le Comte des Etangs on the 171

Provincial Exhibition of 1892, Jenner Fust on the horticultural 171

Provincial Exhibition of 1892, Moore on the 174

Provincial Exhibition of 1892, Bouthillier on the horses at the 170

Pruning and topping tobacco 56

" trees, Moore on 88

Quality of milk 53

Ram, registered 20

Rape 22, 114, 116, 153

Rats in siloes 26

Rations for barren-cows 44

Rain-mekers 101

Ratios, Laves on nutritive—practice better than theory; relative worth of linseed cake and cottonseed cake Beau-bien on theory, danger of assuming too much; waste of food vs. saving time, labour, &c. 157

Reading off tests, results of 76

Refinery, the sugar 84

Regulations of the Council of ag. revision of the 2

Roi de Bignon 58

Ridges for barley, wide 98

Rigden's farm, Sussex, England 153

Rollers 36, 51

Rotaton, MacPherson's 79

" for heavy land 37

" Terry's 26

Roots, cost of growing 10, 122

" and silage 45

" cost of singling 73

" vs. silage for lambs 156

" crops of 10, 160

Rocks, the decay of 136

Rothamsted experiments 99, 124

Rows of tobacco, width of 56

Russian trees 12

Ryegrass, Pacey's perennial 29, 50

" Italian 29

Sandy loams 55

Sainfoin 28, 52, 114, 191

Salt for roots 123

Sanding streets on permanent pavement 8

" Samson 58

Scarifier or grubber 51

Schools, agricultural 13, 165

Season of 1891 6

Separator's milk too poor for calves 159

" the Alexander 186

Shelter-trees 42

Sheep v. p 191

" in England; sainfoin on chalk, dogs killing, hounds never hurt 52

" at the Smithfield club-show 23

" scab in 25

" on corn 27

" care of breeding 27

" farm, Bennett's 154

" and wool—original stock, distribution of—138;—a fibre of wool; *stunt*, washrag sheep; matted wool 139

" for barley, dung of 28

" vs. dogs, Mass. laws on 107

Sherbrooke exhibition, the 33

Sherry, Canadian 171

Shorthorns the general-purpose cows, —123—test of cows of all breeds, shorthorn victory; cross-bred Ayrshire and short-horn 124

" Prov. Ex 167

" at Sherbrooke and Cowansville Ex 53

Sickness, the clover 30

Silage at Burlington, Vt. 133

" vs roots for lambs 156

" and butter, Moore on 128

" Beaubien on 146

" 64

Silo building, Nagant on—5—the frame; outer panel; base 6

" P. Tylee on 87

Singling roots, cost of 72

Smooth-rollers 23, 36

Smut in grain, hot water cure for; slaked lime; blue vitriol; sodic sulphate, chamber-lye 56

Soils, Penny on—composition; variation of rocks; granite rocks; classification; humus—38—argillaceous soils; vegetable mould—39—artificials; lime 40