

Agriculture.

Talk about Trees.

It may not be amiss for me again to occupy a small space in your excellent Farmer. The season is now at hand to plant out fruit trees in our charming and fertile Willamette valley. I would generally prefer to plant fruit trees here in November, or just as soon as the trees in the nurseries cast their leaves in the fall season. I consider the practice of heeling in trees a bad one, in this country.

Trees should be left remain in the nurseries all winter, if they cannot be taken up and transplanted in the fall. I have lost more than four hundred trees by the "heeling in" operation, within five years past, here. There is a common habit here, among some nurserymen, of cutting off the roots of young trees, with the spade, but a few inches from the trunk of the tree. In such cases the tops must be also cut back, to correspond with the roots. One year's growth is lost to each tree so treated! The roots should be taken up entire, and the trees planted out as soon as possible after their removal from the nurseries. There is a mistaken notion prevailing in our country in relation to the best age or size of fruit trees, when bought and taken from the nurseries. The great object in view here, is to obtain fruit from the trees planted out, as soon and as much as possible. Many persons therefore buy fruit trees from the nurserymen, two or three years old, and from six to nine feet high, and pay from twenty-five to fifty cents apiece for them. Those trees are generally crowded in the nursery, and grow up tall and slim. If they have made accidental heads, those heads are high up. Then comes the heading back and cutting off the fractured or bruised roots. One year's growth is thereby lost; and I have generally lost twenty per cent of such trees, by their dwindling and finally dying.

But in the matter of planting out yearling apple trees, the case is changed. The roots can all be easily taken up with the scions. Five times as many of these can be planted out in the orchard in a day, by the same man, as in the case of the large trees. They can then be headed back to eighteen or twenty inches in height—where the head should begin—and the tree can be shaped from year to year, until a perfect head is formed to each tree.

The roots strike out horizontally and receive their natural supply of food; and the trees will bear more fruit in any given time of their life, than those tall and large trees. Not five per cent of yearlings ever die in transplanting them. I believe that all orchardists of Oregon will agree with me, and assert that no pits should ever be prepared in this valley for the reception of apple, pear, plum, or cherry trees. The very best pieces of land that any of us own here, should be selected for our orchards. Selections should be such as are rolling, or that will admit of draining, at least in one direction. Deep plowing should be done, and the land well harrowed.

Trees should be planted on the top of the ground, and the earth banked up around them; and mulching would be a good plan for the first season. For the first seven years, orchards should be cultivated as well as we would cultivate corn. Weeds should not be suffered to grow near the trees. No crop should be planted or sown in the orchard that will exhaust the soil. In fact, no grain should be raised in an orchard. As to the distance the trees should be planted apart, in this country, there is a great diversity of opinion. Some say sixteen, some twenty-four, thirty-two and forty feet apart. All varieties do not grow alike, or make trees of the same size or form. The Waxen, Baldwin, Pompey, Gravenstein, Holland Pippin, Tolpachoken, Rambo, Red Pearmain and Pound Pippin, make large and somewhat spreading trees. These require more room than several other varieties. Many persons believe that fruit trees here will be very short lived, owing to their rapid growth and early and very abundant bearing.

There is a severe drawback to the life of our trees,—and that is, the cold snaps which we have during some of our winters. They argue, therefore, that trees should be planted close together, and that death will thin them out! I observe that many, very many are planting their trees only sixteen feet apart, in this valley. I will not condemn this plan, nor yet endorse it. I would observe that everything in Pomology and Horticulture must, here, be learned anew. The same varieties do not succeed alike,—even in the same settlement, and with the same culture. No man can know positively, before he plants his orchard, what varieties will succeed or do well with him. Every man may expect to vary his experience in fruit-growing, as to varieties. The mode of planting out trees is settled; as to varieties, we can only know what ones suit our locations after six or eight years' trial. The Wine Sap, so far, has been successful with us everywhere. Other standard varieties succeed well with some men and fail with others. There are certain varieties which will succeed well in all localities—not wet. I may praise up some sorts, because they succeed with me; and I may condemn others, because they fail with me, and yet it may be vice versa with my neighbors two miles off.

With the views of the correspondent above regarding the planting of yearling trees in orchard in preference to those of greater age, we fully coincide. Should there be planted a three-year-old and a yearling tree, of the same variety, on the same day, in the same soil, and each receiving good cultivation for five years; at the end of that time, the tree which was a yearling at the time of planting, will be found to have gained

over the three-year old—in size, the growth of at least one year, and in beauty and productiveness much more. We would gladly convince our readers of this fact, and of their great error in striving to raise an orchard in a day. The balance between root and top must be retained to promote health and vigor; which cannot be done in the taking up and transplanting trees of large size, without materially marring the beauty of the nicely branching head which every tree of that age should have.

That "we can only know what ones suit our locations after six or eight years' experience," we are not willing to concede. That we have many different varieties of soil, is true; but that the soils in different localities are similar, is also true. Now why, when the soil is the same and the location similar, will not the variety which succeeds well in one locality, do as well in another of the same kind "two miles" or more distant. Were this not the case, why give experience? What is it worth to others? A discussion of the fruit question would at once sink into nothingness, and all interest, beyond the boundaries of our own farms, be entirely lost. Our friend, in this, must be mistaken.—Oregon Farmer.

PIANOS, MELODEONS, Alexandre Organs, AND MUSIC.

PRICES GREATLY REDUCED! HORACE WATERS, No. 333 Broadway, New York.

THE LARGEST ASSORTMENT OF MUSIC MERCHANDISE IN THE UNITED STATES—171 new and five different manufacturers, of every variety of style; from those in the United States for \$200, to those of the most elegant finish, for \$1000. No house in the Union can come in competition for the number, variety and celebrity of its instruments, nor the extremely low prices at which they are sold.

Horace Waters' Modern Improved Pianos, With or without iron frames, have, in their new scale and improved action, a power and compass of tone equaling the grand, with the beauty and durability of the square piano. The press and first music masters have justly pronounced them equal, if not superior, to any other make. They are guaranteed to stand the action of any climate.

Horace Waters' Melodeons, (used the equal temper) superior in rich desirable quality. Can be furnished in Pine, Mahogany and Smith's Melodeons. Prices from \$45 to \$125; for two sets of reeds, \$150; two sets of keys, \$200; organs and base melodeons, \$250, \$300, and—less a liberal discount.

ALEXANDRE ORGANS: Five stops, in rosewood case, \$100; 8 stops, do. do., \$180; 12 stops, do. do., \$225; 12 stops, do. do., \$270; 12 stops, do. do., size large \$300; 15 stops, do. do., \$375. Each instrument warranted to give satisfaction or purchased money back.

SECOND HAND PIANOS: All great bargains always in store: prices from \$30 to \$140. MUSIC: One of the largest and best catalogues of Music now published. All the music and music books published in the United States for sale at this establishment. Martin's celebrated Guitars and all kinds of Musical Instruments and music Merchandise at the lowest prices. Music sent, wherever ordered, post paid. Catalogues sent free of charge to dealers, teachers, seminaries and clergymen.

Testimonials of the Horace Waters Pianos and Melodeons: The Piano came to hand, and in first rate order. It is a beautiful instrument.—LEE & WALKER, Philadelphia. J. H. Hewitt, of Carthage, New York, who has had one of the Horace Waters Pianos, writes as follows: "I have used mine with me to purchase a piano for her. She likes the one you sold me in December, 1858. My piano is becoming popular in this place, and I think I can introduce one or two more—they will be more popular than any other make."

We have two of Waters' Pianos in use in our nursery—one of which has been severely tested for three years—and we can testify to their good quality and durability.—WOOD & GASKOYNE, Mount Carroll, Ill. H. WATERS, Esq.—Dear Sir: Having used one of your pianos for two years past, I have found it a very superior instrument.—ALONZO GRAY, Principal Brooklyn High School, N. Y., July 28th, 1858. MR. WATERS—Dear Sir: I received the 3rd of you, safe and in good order; and will please with its external appearance and the tone also. I hope I shall have occasion to order one or two more the present season.

TOPEKA, N. Y., July 28th 1858. HORACE WATERS, Esq.—Sir: The Melodeon you sent me was just received in good order. It is a very fine instrument, and I beg you will accept my thanks for the very liberal terms on which you furnished me with it. I have used it for some time, and it has fulfilled, and more than fulfilled, all that you promised. Very respectfully yours, &c., J. L. SMITH.

The Piano I received from you continues to give satisfaction. I regard it as one of the best in the market in the place.—T. H. CLARK, Charleston, Va. The Melodeon has safely arrived. I feel obliged to you for your liberal discount.—will do all I can for you in this place.—REV. J. M. McCORMICK, Yarrsville, S. C. The Piano was duly received. It came in excellent condition, and is very much admired by my numerous family. Accept my thanks for your promptness.—ROBERT COOPER, Warman, Bradford Co., Pa. Your Piano pleases us well. It is the best one in our country.—THOMAS A. LAYMAN, Campden, Ga.

We are very much obliged to you for having sent such a fine instrument for \$250, and we shall take pains to recommend it.—BLANK, HELD & CO., Buffalo Democrat. The Horace Waters Pianos are known as among the very best; we are enabled to speak of these instruments with confidence, from personal knowledge of their excellent tone and durable quality.—New York Evangelist.

We can speak of the merits of the Horace Waters Pianos from personal knowledge, as being of the very best quality.—CHRISTIAN INTELLIGENCER. Nothing at the State Fair displayed greater excellence in any department than the Horace Waters Pianos.—Churchman.

The Horace Waters Pianos are built of the best and most thoroughly seasoned material. We have no doubt that buyers can do as well, perhaps better, at this than at any other house in the Union.—Advocate and Journal. Waters' Pianos and Melodeons challenge comparison with the finest made anywhere in the country.—Home Journal.

Horace Waters' Pianofortes are of full rich, and even tone, and powerful.—New York Musical Review. Our friends will find at Mr. Waters' store the very best assortment of Music and of Pianos to be found in the United States, and we urge our southern and western friends to give them a call whenever they go to New York.—Graham's Magazine. Warehouses No. 333 Broadway, New York.

SANDWICH ISLANDS PRODUCE: A general assortment of Provisions, such as Rice, Beans, Coffee, Tea, Sugar, &c., may be found at the store of the PUGET SOUND BOOK AND JOB PRINTING, No. 25 JACKSON ST., STELLACOOM, W. T. Apply to J. P. KELLER.

Useful Publications.

Leonard Scott & Co.'s BRITISH PERIODICALS. "Farmer's Guide."

Great Reduction in the price of the following British Periodicals, viz: 1. The London Quarterly, (Conservative). 2. The Edinburgh Review, (Whig). 3. The North British Review, (Free Church). 4. The Westminster Review, (Liberal). 5. Blackwood's Edinburgh Magazine, (Tory).

These Periodicals ably represent the great political parties of Great Britain—Whig, Tory, and Radical; but politics form only one feature of their character. As organs of the most profound writers on Science, Literature, Morality, and Religion, they stand as they have stood unrivalled in the world of letters, being considered indispensable to the scholar and the professional man, while to the intelligent reader of every class, they furnish a more correct and satisfactory record of the current literature of the day, throughout the world than can possibly be obtained from any other source.

Early Copies Secured. The receipt of Advance Sheets from the British publishers gives additional value to these Reviews, especially during the present exciting state of European affairs, inasmuch as they can now be placed in the hands of subscribers about as soon as the original editions.

Terms: For any one of the four Reviews, per annum, \$4 00. For any two of the four Reviews, " " 7 00. For any three of the four Reviews, " " 10 00. For Blackwood's Magazine, " " 12 00. For Blackwood and the three Reviews, " " 16 00. For Blackwood and four Reviews, " " 19 00. Payments to be made in all cases in advance. Money current in the state where sent will be received at par.

A discount of twenty-five per cent from the above price will be allowed to clubs ordering direct from Scott & Co., for four or more copies of any of the above, for \$200, or four copies of Blackwood, or of one Review, will be sent to one address for \$2; for copies of the four Reviews and Blackwood for \$30; and so on.

Postage. In all the principal cities and towns, these works will be delivered FREE OF POSTAGE. When sent by mail, the cost of postage in the United States will be \$2 cents a year for "Blackwood," and 12 cents a year for each of the other Reviews.

Splendid offers for 1859 and 1857 together. Unlike the more ephemeral Magazines of the day, these Periodicals lose little by age. Hence a full year of the Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

For any one of the four Reviews, per annum, \$4 00. For any two of the four Reviews, " " 7 00. For any three of the four Reviews, " " 10 00. For Blackwood's Magazine, " " 12 00. For Blackwood and the three Reviews, " " 16 00. For Blackwood and four Reviews, " " 19 00. Payments to be made in all cases in advance. Money current in the state where sent will be received at par.

A discount of twenty-five per cent from the above price will be allowed to clubs ordering direct from Scott & Co., for four or more copies of any of the above, for \$200, or four copies of Blackwood, or of one Review, will be sent to one address for \$2; for copies of the four Reviews and Blackwood for \$30; and so on.

Postage. In all the principal cities and towns, these works will be delivered FREE OF POSTAGE. When sent by mail, the cost of postage in the United States will be \$2 cents a year for "Blackwood," and 12 cents a year for each of the other Reviews.

Splendid offers for 1859 and 1857 together. Unlike the more ephemeral Magazines of the day, these Periodicals lose little by age. Hence a full year of the Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480